

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: P935945

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

**Test Information**

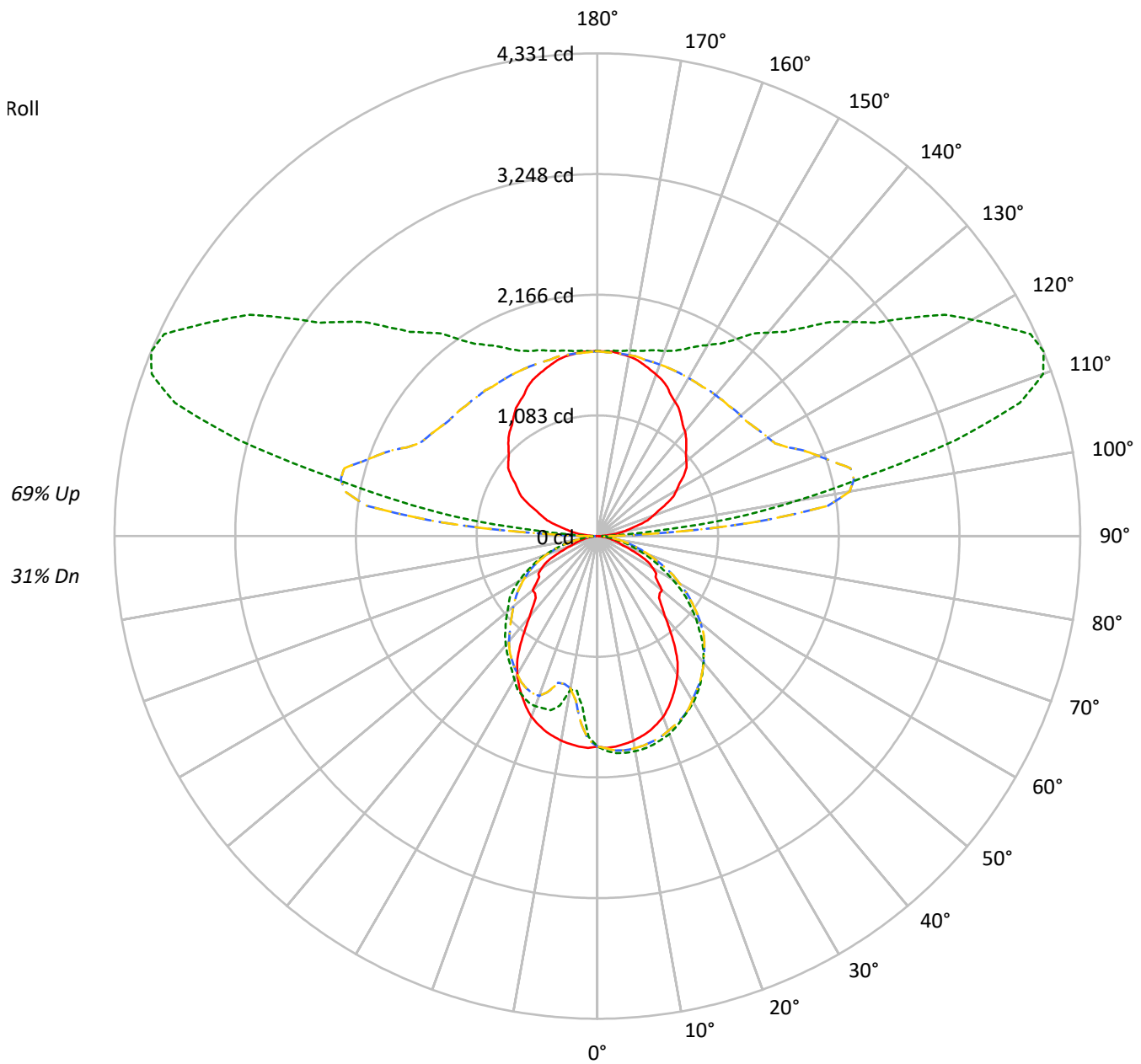
Test Method: LM-79-2019  
Report Number: P935945  
REPORT IS A COMBINATION OF REPORTS P933776 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15653.9 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 127.2  
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	0
RCR																		
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8754	8754	8754	8754
5°	8820	8837	8820	6949
10°	8761	8705	8761	6223
15°	8665	8517	8665	7111
20°	8484	8293	8484	7126
25°	8113	7967	8113	6975
30°	7634	7697	7634	6644
35°	6806	7355	6806	6279
40°	5671	6952	5671	6004
45°	5067	6480	5067	5687
50°	5383	5917	5383	5370
55°	5065	5312	5065	5186
60°	5221	4512	5221	4750
65°	4733	3729	4733	4169
70°	3277	2972	3277	3495
75°	2874	2197	2874	2631
80°	2315	1453	2315	1582
85°	1332	769	1332	654

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7766 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.3	1.1
10°-20°	483.6	3.1
20°-30°	747.6	4.8
30°-40°	892.4	5.7
40°-50°	897.7	5.7
50°-60°	781.1	5.0
60°-70°	553.8	3.5
70°-80°	293.0	1.9
80°-90°	79.3	0.5
90°-100°	808.7	5.2
100°-110°	2126.2	13.6
110°-120°	2204.6	14.1
120°-130°	1768.3	11.3
130°-140°	1387.5	8.9
140°-150°	1065.0	6.8
150°-160°	767.0	4.9
160°-170°	469.3	3.0
170°-180°	158.5	1.0
0°-30°	1401.5	9.0
0°-40°	2293.9	14.7
0°-60°	3972.7	25.4
0°-90°	4898.8	31.3
90°-120°	5139.5	32.8
90°-150°	9360.3	59.8
90°-180°	10755.0	68.7
0°-180°	15653.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1887	1887	1887	1887	1887	
5°	1896	1955	1896	1537	1896	180
15°	1810	1937	1810	1617	1810	509
25°	1594	1807	1594	1582	1594	732
35°	1212	1612	1212	1376	1212	750
45°	782	1328	782	1166	782	626
55°	637	980	637	957	637	586
65°	443	591	443	660	443	423
75°	168	280	168	336	168	176
85°	29	71	29	61	29	39
90°	11	42	11	42	11	10
95°	107	489	107	489	107	119
105°	383	3329	383	3329	383	406
115°	680	4287	680	4287	680	672
125°	946	3414	946	3414	946	840
135°	1128	2649	1128	2649	1128	873
145°	1308	2149	1308	2149	1308	820
155°	1479	1851	1479	1851	1479	679
165°	1596	1724	1596	1724	1596	450
175°	1659	1670	1659	1670	1659	157
180°	1659	1659	1659	1659	1659	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1903.0	1903.0	1913.7	1917.3	1917.3	1911.9	1906.5	1911.9	1928.0	1933.3	1931.5
5°	1895.8	1910.1	1929.8	1933.3	1936.9	1935.1	1931.5	1935.1	1953.0	1956.5	1958.3
7.5°	1881.6	1908.3	1933.3	1938.7	1944.0	1938.7	1936.9	1940.5	1958.3	1961.9	1961.9
10°	1863.7	1901.2	1929.8	1933.3	1938.7	1933.3	1933.3	1940.5	1958.3	1961.9	1963.7
12.5°	1838.7	1890.5	1917.3	1920.8	1928.0	1926.2	1924.4	1931.5	1949.4	1953.0	1953.0
15°	1810.1	1870.8	1895.8	1899.4	1911.9	1908.3	1908.3	1915.5	1935.1	1940.5	1938.7
17.5°	1770.9	1845.8	1874.4	1879.8	1888.7	1886.9	1888.7	1895.8	1913.7	1917.3	1919.0
20°	1726.2	1811.9	1845.8	1851.2	1860.1	1860.1	1860.1	1869.1	1886.9	1894.1	1894.1
22.5°	1665.5	1776.2	1811.9	1815.5	1826.2	1826.2	1829.8	1842.3	1858.3	1860.1	1860.1
25°	1594.1	1736.9	1767.3	1778.0	1788.7	1794.1	1799.4	1806.6	1811.9	1810.1	1811.9
27.5°	1519.1	1687.0	1726.2	1733.4	1747.7	1753.0	1760.2	1761.9	1763.7	1769.1	1765.5
30°	1435.2	1617.3	1676.3	1683.4	1706.6	1710.2	1703.0	1706.6	1715.5	1719.1	1722.7
32.5°	1340.6	1513.8	1624.5	1640.5	1662.0	1651.3	1649.5	1654.8	1669.1	1669.1	1672.7
35°	1212.1	1433.5	1576.3	1590.6	1606.6	1594.1	1601.3	1603.1	1612.0	1617.3	1615.6
37.5°	1071.1	1363.8	1526.3	1537.0	1549.5	1533.4	1544.1	1549.5	1556.6	1553.1	1553.1
40°	946.2	1254.9	1467.4	1474.5	1485.2	1472.7	1483.4	1487.0	1490.6	1487.0	1485.2
42.5°	853.3	1135.3	1404.9	1413.8	1406.7	1415.6	1419.2	1426.3	1421.0	1413.8	1413.8
45°	781.9	1103.2	1337.1	1347.8	1337.1	1351.3	1356.7	1356.7	1340.6	1337.1	1335.3
47.5°	758.7	1039.0	1269.2	1269.2	1263.9	1281.7	1290.6	1278.1	1262.1	1256.7	1256.7
50°	756.9	967.6	1176.4	1169.2	1194.2	1215.7	1206.7	1194.2	1181.7	1162.1	1162.1
52.5°	687.3	880.1	1056.9	1083.6	1122.8	1135.3	1121.0	1108.5	1087.1	1078.2	1071.1
55°	637.3	789.1	948.0	1001.5	1042.6	1058.6	1031.9	1019.4	987.2	981.9	978.3
57.5°	626.6	657.0	848.0	915.8	965.8	964.0	948.0	924.8	898.0	892.6	890.8
60°	574.8	474.9	740.9	821.2	873.0	867.6	853.3	831.9	806.9	803.4	799.8
62.5°	521.3	344.6	619.5	710.5	783.7	781.9	769.4	737.3	719.5	710.5	703.4
65°	442.7	289.2	441.0	590.9	696.2	699.8	673.0	649.8	630.2	619.5	617.7
67.5°	337.4	235.7	298.1	492.7	612.3	608.8	574.8	564.1	539.1	533.8	523.1
70°	249.9	157.1	207.1	399.9	530.2	521.3	494.5	482.0	458.8	446.3	439.2
72.5°	207.1	126.8	151.7	310.6	446.3	435.6	412.4	398.1	378.5	367.8	360.6
75°	167.8	133.9	116.0	230.3	362.4	355.3	333.8	319.6	303.5	289.2	291.0
77.5°	123.2	125.0	92.8	169.6	287.4	276.7	264.2	246.4	239.2	224.9	224.9
80°	92.8	98.2	69.6	116.0	207.1	207.1	196.4	183.9	171.4	164.2	164.2
82.5°	62.5	62.5	51.8	73.2	141.0	135.7	128.5	125.0	117.8	114.3	114.3
85°	28.6	35.7	32.1	44.6	76.8	80.3	80.3	76.8	75.0	71.4	73.2
87.5°	8.9	16.1	19.6	25.0	39.3	41.1	42.8	42.8	42.8	44.6	44.6
90°	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4	42.3	42.3
92.5°	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9	211.6	203.2
95°	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1	718.2	692.7
97.5°	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1	1658.0	1609.5
100°	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9	2328.2	2270.5
102.5°	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5	2900.6	2851.1
105°	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6	3568.7	3542.1
107.5°	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7	3916.1	3922.5
110°	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0	4005.2	4032.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3	3948.3	3990.9
115°	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4	3755.7	3814.7
117.5°	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2	3489.6	3555.0
120°	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6	3310.4	3373.9
122.5°	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5	3131.0	3193.8
125°	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1	2893.9	2951.6
127.5°	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4	2703.5	2752.2
130°	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3	2583.2	2628.3
132.5°	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3	2480.8	2521.1
135°	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4	2336.1	2370.8
137.5°	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4	2229.1	2257.6
140°	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7	2143.4	2170.0
142.5°	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5	2083.3	2106.1
145°	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7	1993.1	2010.4
147.5°	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2	1917.3	1931.7
150°	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2	1874.0	1885.6
152.5°	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2	1839.4	1848.2
155°	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8	1798.3	1804.1
157.5°	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1	1762.7	1766.8
160°	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2	1744.8	1747.1
162.5°	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0	1728.1	1730.3
165°	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0	1702.5	1704.8
167.5°	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2	1691.3	1692.3
170°	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2	1691.3	1691.3
172.5°	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3	1682.4	1681.5
175°	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1	1670.2	1670.2
177.5°	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4	1667.9	1667.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1935.1	1929.8	1935.1	1931.5	1933.3	1928.0	1911.9	1906.5	1911.9	1917.3	1917.3
5°	1958.3	1954.7	1958.3	1958.3	1956.5	1953.0	1935.1	1931.5	1935.1	1936.9	1933.3
7.5°	1965.5	1960.1	1965.5	1961.9	1961.9	1958.3	1940.5	1936.9	1938.7	1944.0	1938.7
10°	1965.5	1960.1	1965.5	1963.7	1961.9	1958.3	1940.5	1933.3	1933.3	1938.7	1933.3
12.5°	1956.5	1953.0	1956.5	1953.0	1953.0	1949.4	1931.5	1924.4	1926.2	1928.0	1920.8
15°	1942.3	1936.9	1942.3	1938.7	1940.5	1935.1	1915.5	1908.3	1908.3	1911.9	1899.4
17.5°	1920.8	1913.7	1920.8	1919.0	1917.3	1913.7	1895.8	1888.7	1886.9	1888.7	1879.8
20°	1895.8	1890.5	1895.8	1894.1	1894.1	1886.9	1869.1	1860.1	1860.1	1860.1	1851.2
22.5°	1856.6	1851.2	1856.6	1860.1	1860.1	1858.3	1842.3	1829.8	1826.2	1826.2	1815.5
25°	1811.9	1806.6	1811.9	1811.9	1810.1	1811.9	1806.6	1799.4	1794.1	1788.7	1778.0
27.5°	1769.1	1765.5	1769.1	1765.5	1769.1	1763.7	1761.9	1760.2	1753.0	1747.7	1733.4
30°	1726.2	1722.7	1726.2	1722.7	1719.1	1715.5	1706.6	1703.0	1710.2	1706.6	1683.4
32.5°	1672.7	1669.1	1672.7	1672.7	1669.1	1669.1	1654.8	1649.5	1651.3	1662.0	1640.5
35°	1617.3	1612.0	1617.3	1615.6	1617.3	1612.0	1603.1	1601.3	1594.1	1606.6	1590.6
37.5°	1553.1	1547.7	1553.1	1553.1	1553.1	1556.6	1549.5	1544.1	1533.4	1549.5	1537.0
40°	1487.0	1479.9	1487.0	1485.2	1487.0	1490.6	1487.0	1483.4	1472.7	1485.2	1474.5
42.5°	1412.0	1410.3	1412.0	1413.8	1413.8	1421.0	1426.3	1419.2	1415.6	1406.7	1413.8
45°	1331.7	1328.1	1331.7	1335.3	1337.1	1340.6	1356.7	1356.7	1351.3	1337.1	1347.8
47.5°	1246.0	1237.1	1246.0	1256.7	1256.7	1262.1	1278.1	1290.6	1281.7	1263.9	1269.2
50°	1155.0	1156.7	1155.0	1162.1	1162.1	1181.7	1194.2	1206.7	1215.7	1194.2	1169.2
52.5°	1065.7	1064.0	1065.7	1071.1	1078.2	1087.1	1108.5	1121.0	1135.3	1122.8	1083.6
55°	976.5	980.1	976.5	978.3	981.9	987.2	1019.4	1031.9	1058.6	1042.6	1001.5
57.5°	887.3	881.9	887.3	890.8	892.6	898.0	924.8	948.0	964.0	965.8	915.8
60°	783.7	776.6	783.7	799.8	803.4	806.9	831.9	853.3	867.6	873.0	821.2
62.5°	692.7	680.2	692.7	703.4	710.5	719.5	737.3	769.4	781.9	783.7	710.5
65°	596.3	590.9	596.3	617.7	619.5	630.2	649.8	673.0	699.8	696.2	590.9
67.5°	508.8	508.8	508.8	523.1	533.8	539.1	564.1	574.8	608.8	612.3	492.7
70°	428.5	426.7	428.5	439.2	446.3	458.8	482.0	494.5	521.3	530.2	399.9
72.5°	351.7	349.9	351.7	360.6	367.8	378.5	398.1	412.4	435.6	446.3	310.6
75°	283.9	280.3	283.9	291.0	289.2	303.5	319.6	333.8	355.3	362.4	230.3
77.5°	217.8	217.8	217.8	224.9	224.9	239.2	246.4	264.2	276.7	287.4	169.6
80°	162.5	160.7	162.5	164.2	164.2	171.4	183.9	196.4	207.1	207.1	116.0
82.5°	114.3	110.7	114.3	114.3	114.3	117.8	125.0	128.5	135.7	141.0	73.2
85°	71.4	71.4	71.4	73.2	71.4	75.0	76.8	80.3	80.3	76.8	44.6
87.5°	46.4	44.6	46.4	44.6	44.6	42.8	42.8	42.8	41.1	39.3	25.0
90°	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7	49.0	31.2
92.5°	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5	302.2	214.9
95°	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4	743.4	418.6
97.5°	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5	1001.4	459.9
100°	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5	1095.3	494.4
102.5°	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9	1138.4	528.9
105°	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1	1170.2	580.1
107.5°	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0	1176.2	655.8
110°	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8	1167.3	698.1





TEST NUMBER: P935945

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3	1167.6	749.4
115°	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0	1178.4	826.2
117.5°	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7	1200.3	900.8
120°	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3	1218.2	944.2
122.5°	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8	1243.8	995.4
125°	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7	1278.2	1061.1
127.5°	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7	1312.8	1124.6
130°	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1	1338.0	1166.9
132.5°	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8	1358.5	1201.5
135°	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3	1380.7	1241.5
137.5°	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9	1414.1	1292.7
140°	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5	1434.5	1327.2
142.5°	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2	1451.6	1352.9
145°	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2	1473.9	1391.9
147.5°	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1	1506.6	1440.9
150°	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8	1523.5	1466.4
152.5°	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5	1534.8	1483.2
155°	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6	1559.2	1519.9
157.5°	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8	1583.7	1556.6
160°	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5	1594.8	1573.3
162.5°	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5	1606.7	1591.2
165°	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1	1623.8	1616.7
167.5°	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1	1637.2	1631.3
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8	1648.3	1648.0
172.5°	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3	1655.7	1659.0
177.5°	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0	1656.4	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935945

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1913.7	1903.0	1903.0	1885.1	1878.0	1872.6	1863.7	1836.9	1829.8	1822.6	1833.4
5°	1929.8	1910.1	1895.8	1863.7	1836.9	1826.2	1792.3	1728.0	1685.2	1653.0	1635.2
7.5°	1933.3	1908.3	1881.6	1831.6	1767.3	1738.7	1635.2	1517.4	1485.2	1456.7	1438.8
10°	1929.8	1901.2	1863.7	1788.7	1637.0	1587.0	1483.4	1406.7	1387.0	1381.7	1387.0
12.5°	1917.3	1890.5	1838.7	1713.7	1501.3	1467.4	1406.7	1362.0	1358.5	1367.4	1415.6
15°	1895.8	1870.8	1810.1	1613.8	1426.3	1401.3	1358.5	1342.4	1362.0	1424.5	1569.1
17.5°	1874.4	1845.8	1770.9	1515.6	1369.2	1351.3	1321.0	1353.1	1463.8	1547.7	1595.9
20°	1845.8	1811.9	1726.2	1444.2	1328.1	1312.1	1297.8	1442.4	1526.3	1556.6	1583.4
22.5°	1811.9	1776.2	1665.5	1394.2	1285.3	1272.8	1281.7	1492.4	1526.3	1547.7	1570.9
25°	1767.3	1736.9	1594.1	1354.9	1251.4	1237.1	1271.0	1487.0	1506.7	1512.0	1558.4
27.5°	1726.2	1687.0	1519.1	1319.2	1210.3	1204.9	1279.9	1463.8	1478.1	1483.4	1533.4
30°	1676.3	1617.3	1435.2	1281.7	1167.5	1165.7	1281.7	1435.2	1431.7	1446.0	1495.9
32.5°	1624.5	1513.8	1340.6	1235.3	1126.4	1124.6	1269.2	1392.4	1388.8	1408.5	1446.0
35°	1576.3	1433.5	1212.1	1181.7	1074.6	1076.4	1238.9	1342.4	1344.2	1362.0	1385.3
37.5°	1526.3	1363.8	1071.1	1122.8	1024.7	1024.7	1197.8	1296.0	1292.4	1297.8	1329.9
40°	1467.4	1254.9	946.2	1046.2	978.3	973.0	1147.8	1246.0	1233.5	1231.7	1276.4
42.5°	1404.9	1135.3	853.3	944.4	924.8	917.6	1087.1	1185.3	1162.1	1167.5	1224.6
45°	1337.1	1103.2	781.9	798.0	869.4	864.1	1021.2	1115.7	1099.6	1113.9	1172.8
47.5°	1269.2	1039.0	758.7	662.3	810.5	808.7	948.0	1047.9	1039.0	1053.3	1115.7
50°	1176.4	967.6	756.9	567.7	744.4	751.6	860.5	981.9	981.9	994.4	1060.4
52.5°	1056.9	880.1	687.3	514.1	667.7	689.1	783.7	924.8	928.3	940.8	999.7
55°	948.0	789.1	637.3	473.1	576.6	623.0	708.7	865.8	873.0	885.5	939.0
57.5°	848.0	657.0	626.6	424.9	492.7	537.4	642.7	808.7	812.3	823.0	874.8
60°	740.9	474.9	574.8	373.1	419.5	453.5	582.0	740.9	753.4	760.5	805.1
62.5°	619.5	344.6	521.3	337.4	383.8	391.0	532.0	676.6	692.7	698.0	724.8
65°	441.0	289.2	442.7	307.1	346.3	348.1	478.4	610.6	624.8	633.8	653.4
67.5°	298.1	235.7	337.4	278.5	317.8	319.6	426.7	533.8	553.4	560.6	573.1
70°	207.1	157.1	249.9	248.1	285.6	289.2	371.3	464.2	482.0	487.4	494.5
72.5°	151.7	126.8	207.1	223.2	251.7	255.3	314.2	385.6	403.5	408.8	412.4
75°	116.0	133.9	167.8	194.6	214.2	216.0	257.1	314.2	326.7	330.3	332.1
77.5°	92.8	125.0	123.2	157.1	175.0	171.4	201.7	242.8	253.5	253.5	253.5
80°	69.6	98.2	92.8	112.5	128.5	125.0	144.6	173.2	176.7	180.3	178.5
82.5°	51.8	62.5	62.5	71.4	85.7	82.1	96.4	112.5	112.5	112.5	116.0
85°	32.1	35.7	28.6	37.5	48.2	46.4	53.6	60.7	62.5	62.5	58.9
87.5°	19.6	16.1	8.9	14.3	21.4	21.4	25.0	26.8	25.0	25.0	25.0
90°	28.9	20.1	11.2	20.1	28.9	31.2	49.0	72.7	84.6	75.2	56.4
92.5°	196.0	120.2	44.5	120.2	196.0	214.9	302.2	418.5	476.6	417.7	299.9
95°	384.0	245.5	106.9	245.5	384.0	418.6	743.4	1176.4	1392.9	1243.0	943.1
97.5°	429.4	307.1	184.9	307.1	429.4	459.9	1001.4	1723.5	2084.4	1989.6	1800.1
100°	466.7	355.8	244.9	355.8	466.7	494.4	1095.3	1896.5	2297.1	2304.0	2317.9
102.5°	503.0	399.6	296.2	399.6	503.0	528.9	1138.4	1950.9	2357.2	2478.0	2719.5
105°	558.2	470.6	383.0	470.6	558.2	580.1	1170.2	1957.1	2350.5	2621.3	3162.6
107.5°	635.4	553.8	472.1	553.8	635.4	655.8	1176.2	1870.0	2216.9	2594.5	3349.7
110°	679.7	606.0	532.3	606.0	679.7	698.1	1167.3	1792.8	2105.6	2527.7	3372.0



TEST NUMBER: P935945

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	731.8	661.5	591.3	661.5	731.8	749.4	1167.6	1725.3	2004.2	2436.2	3300.3
115°	810.0	745.2	680.4	745.2	810.0	826.2	1178.4	1648.0	1882.9	2299.0	3131.4
117.5°	886.1	827.2	768.3	827.2	886.1	900.8	1200.3	1599.7	1799.3	2175.0	2926.2
120°	930.4	874.9	819.5	874.9	930.4	944.2	1218.2	1583.3	1766.0	2109.2	2795.6
122.5°	981.4	925.6	869.6	925.6	981.4	995.4	1243.8	1574.8	1740.3	2049.4	2667.5
125°	1048.4	997.4	946.4	997.4	1048.4	1061.1	1278.2	1567.7	1712.5	1975.0	2500.1
127.5°	1111.8	1060.3	1008.8	1060.3	1111.8	1124.6	1312.8	1563.7	1689.1	1914.5	2365.4
130°	1153.1	1097.7	1042.2	1097.7	1153.1	1166.9	1338.0	1566.1	1680.2	1880.8	2282.3
132.5°	1187.6	1132.2	1076.8	1132.2	1187.6	1201.5	1358.5	1567.8	1672.4	1852.0	2211.3
135°	1229.0	1178.4	1127.9	1178.4	1229.0	1241.5	1380.7	1566.3	1659.0	1809.5	2110.4
137.5°	1280.2	1230.3	1180.3	1230.3	1280.2	1292.7	1414.1	1575.9	1656.9	1784.1	2038.4
140°	1315.7	1269.8	1223.7	1269.8	1315.7	1327.2	1434.5	1577.5	1649.0	1758.9	1978.7
142.5°	1342.2	1299.7	1257.1	1299.7	1342.2	1352.9	1451.6	1583.2	1649.0	1745.5	1938.5
145°	1382.6	1345.4	1308.3	1345.4	1382.6	1391.9	1473.9	1583.2	1637.9	1716.8	1874.7
147.5°	1431.9	1395.7	1359.5	1395.7	1431.9	1440.9	1506.6	1594.1	1637.9	1700.0	1824.2
150°	1458.3	1425.6	1392.9	1425.6	1458.3	1466.4	1523.5	1599.8	1637.9	1690.4	1795.2
152.5°	1477.0	1452.2	1427.5	1452.2	1477.0	1483.2	1534.8	1603.5	1637.9	1682.7	1772.2
155°	1515.3	1497.0	1478.7	1497.0	1515.3	1519.9	1559.2	1611.6	1637.9	1673.5	1744.8
157.5°	1552.2	1534.4	1516.6	1534.4	1552.2	1556.6	1583.7	1619.8	1637.9	1665.6	1721.1
160°	1569.9	1556.0	1542.2	1556.0	1569.9	1573.3	1594.8	1623.5	1637.9	1661.6	1709.2
162.5°	1588.6	1578.2	1567.8	1578.2	1588.6	1591.2	1606.7	1627.5	1637.9	1658.0	1698.0
165°	1614.4	1604.9	1595.6	1604.9	1614.4	1616.7	1623.8	1633.1	1637.9	1652.2	1681.0
167.5°	1630.1	1625.6	1621.2	1625.6	1630.1	1631.3	1637.2	1645.1	1649.0	1658.4	1677.2
170°	1646.8	1642.3	1637.9	1642.3	1646.8	1648.0	1648.3	1648.8	1649.0	1658.4	1677.2
172.5°	1648.8	1647.8	1646.8	1647.8	1648.8	1649.0	1649.0	1649.0	1649.0	1656.4	1671.3
175°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1655.7	1651.3	1649.0	1653.8	1663.1
177.5°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1656.4	1653.0	1651.3	1655.0	1662.4
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935945

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1820.9	1815.5	1822.6	1803.0	1822.6	1815.5	1820.9	1833.4	1822.6	1829.8	1836.9
5°	1597.7	1588.8	1560.2	1537.0	1560.2	1588.8	1597.7	1635.2	1653.0	1685.2	1728.0
7.5°	1428.1	1421.0	1413.8	1399.5	1413.8	1421.0	1428.1	1438.8	1456.7	1485.2	1517.4
10°	1390.6	1392.4	1403.1	1401.3	1403.1	1392.4	1390.6	1387.0	1381.7	1387.0	1406.7
12.5°	1487.0	1503.1	1562.0	1558.4	1562.0	1503.1	1487.0	1415.6	1367.4	1358.5	1362.0
15°	1597.7	1603.1	1615.6	1617.3	1615.6	1603.1	1597.7	1569.1	1424.5	1362.0	1342.4
17.5°	1608.4	1610.2	1619.1	1619.1	1619.1	1610.2	1608.4	1595.9	1547.7	1463.8	1353.1
20°	1599.5	1603.1	1620.9	1624.5	1620.9	1603.1	1599.5	1583.4	1556.6	1526.3	1442.4
22.5°	1595.9	1603.1	1617.3	1615.6	1617.3	1603.1	1595.9	1570.9	1547.7	1526.3	1492.4
25°	1578.1	1578.1	1579.8	1581.6	1579.8	1578.1	1578.1	1558.4	1512.0	1506.7	1487.0
27.5°	1540.6	1544.1	1554.9	1553.1	1554.9	1544.1	1540.6	1533.4	1483.4	1478.1	1463.8
30°	1506.7	1503.1	1494.2	1487.0	1494.2	1503.1	1506.7	1495.9	1446.0	1431.7	1435.2
32.5°	1449.5	1440.6	1431.7	1426.3	1431.7	1440.6	1449.5	1446.0	1408.5	1388.8	1392.4
35°	1381.7	1383.5	1381.7	1376.3	1381.7	1383.5	1381.7	1385.3	1362.0	1344.2	1342.4
37.5°	1333.5	1337.1	1335.3	1328.1	1335.3	1337.1	1333.5	1329.9	1297.8	1292.4	1296.0
40°	1283.5	1285.3	1283.5	1278.1	1283.5	1285.3	1283.5	1276.4	1231.7	1233.5	1246.0
42.5°	1235.3	1233.5	1228.2	1224.6	1228.2	1233.5	1235.3	1224.6	1167.5	1162.1	1185.3
45°	1180.0	1181.7	1171.0	1165.7	1171.0	1181.7	1180.0	1172.8	1113.9	1099.6	1115.7
47.5°	1124.6	1124.6	1115.7	1110.3	1115.7	1124.6	1124.6	1115.7	1053.3	1039.0	1047.9
50°	1065.7	1064.0	1051.5	1049.7	1051.5	1064.0	1065.7	1060.4	994.4	981.9	981.9
52.5°	997.9	997.9	999.7	1003.3	999.7	997.9	997.9	999.7	940.8	928.3	924.8
55°	939.0	940.8	953.3	956.9	953.3	940.8	939.0	939.0	885.5	873.0	865.8
57.5°	878.3	878.3	887.3	887.3	887.3	878.3	878.3	874.8	823.0	812.3	808.7
60°	808.7	812.3	819.4	817.6	819.4	812.3	808.7	805.1	760.5	753.4	740.9
62.5°	735.5	739.1	740.9	737.3	740.9	739.1	735.5	724.8	698.0	692.7	676.6
65°	658.8	662.3	664.1	660.5	664.1	662.3	658.8	653.4	633.8	624.8	610.6
67.5°	580.2	578.4	576.6	583.8	576.6	578.4	580.2	573.1	560.6	553.4	533.8
70°	499.9	499.9	498.1	501.7	498.1	499.9	499.9	494.5	487.4	482.0	464.2
72.5°	414.2	412.4	419.5	414.2	419.5	412.4	414.2	412.4	408.8	403.5	385.6
75°	330.3	333.8	330.3	335.6	330.3	333.8	330.3	332.1	330.3	326.7	314.2
77.5°	251.7	255.3	251.7	251.7	251.7	255.3	251.7	253.5	253.5	253.5	242.8
80°	178.5	176.7	176.7	175.0	176.7	176.7	178.5	178.5	180.3	176.7	173.2
82.5°	114.3	112.5	112.5	116.0	112.5	112.5	114.3	116.0	112.5	112.5	112.5
85°	62.5	64.3	60.7	60.7	60.7	64.3	62.5	58.9	62.5	62.5	60.7
87.5°	23.2	21.4	21.4	21.4	21.4	21.4	23.2	25.0	25.0	25.0	26.8
90°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	56.4	75.2	84.6	72.7
92.5°	211.6	203.2	169.5	135.9	169.5	203.2	211.6	299.9	417.7	476.6	418.5
95°	718.2	692.7	590.7	488.8	590.7	692.7	718.2	943.1	1243.0	1392.9	1176.4
97.5°	1658.0	1609.5	1415.4	1221.5	1415.4	1609.5	1658.0	1800.1	1989.6	2084.4	1723.5
100°	2328.2	2270.5	2039.4	1808.3	2039.4	2270.5	2328.2	2317.9	2304.0	2297.1	1896.5
102.5°	2900.6	2851.1	2653.1	2455.2	2653.1	2851.1	2900.6	2719.5	2478.0	2357.2	1950.9
105°	3568.7	3542.1	3435.7	3329.3	3435.7	3542.1	3568.7	3162.6	2621.3	2350.5	1957.1
107.5°	3916.1	3922.5	3948.2	3973.9	3948.2	3922.5	3916.1	3349.7	2594.5	2216.9	1870.0
110°	4005.2	4032.9	4143.7	4254.6	4143.7	4032.9	4005.2	3372.0	2527.7	2105.6	1792.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3948.3	3990.9	4161.1	4331.3	4161.1	3990.9	3948.3	3300.3	2436.2	2004.2	1725.3
115°	3755.7	3814.7	4050.8	4286.8	4050.8	3814.7	3755.7	3131.4	2299.0	1882.9	1648.0
117.5°	3489.6	3555.0	3816.8	4078.6	3816.8	3555.0	3489.6	2926.2	2175.0	1799.3	1599.7
120°	3310.4	3373.9	3628.3	3882.6	3628.3	3373.9	3310.4	2795.6	2109.2	1766.0	1583.3
122.5°	3131.0	3193.8	3444.7	3695.6	3444.7	3193.8	3131.0	2667.5	2049.4	1740.3	1574.8
125°	2893.9	2951.6	3182.8	3413.9	3182.8	2951.6	2893.9	2500.1	1975.0	1712.5	1567.7
127.5°	2703.5	2752.2	2947.3	3142.2	2947.3	2752.2	2703.5	2365.4	1914.5	1689.1	1563.7
130°	2583.2	2628.3	2808.5	2988.6	2808.5	2628.3	2583.2	2282.3	1880.8	1680.2	1566.1
132.5°	2480.8	2521.1	2682.4	2843.8	2682.4	2521.1	2480.8	2211.3	1852.0	1672.4	1567.8
135°	2336.1	2370.8	2509.9	2648.9	2509.9	2370.8	2336.1	2110.4	1809.5	1659.0	1566.3
137.5°	2229.1	2257.6	2371.4	2485.2	2371.4	2257.6	2229.1	2038.4	1784.1	1656.9	1575.9
140°	2143.4	2170.0	2276.4	2382.8	2276.4	2170.0	2143.4	1978.7	1758.9	1649.0	1577.5
142.5°	2083.3	2106.1	2197.7	2289.3	2197.7	2106.1	2083.3	1938.5	1745.5	1649.0	1583.2
145°	1993.1	2010.4	2079.7	2149.0	2079.7	2010.4	1993.1	1874.7	1716.8	1637.9	1583.2
147.5°	1917.3	1931.7	1989.1	2046.5	1989.1	1931.7	1917.3	1824.2	1700.0	1637.9	1594.1
150°	1874.0	1885.6	1932.2	1978.7	1932.2	1885.6	1874.0	1795.2	1690.4	1637.9	1599.8
152.5°	1839.4	1848.2	1883.3	1918.5	1883.3	1848.2	1839.4	1772.2	1682.7	1637.9	1603.5
155°	1798.3	1804.1	1827.4	1850.6	1827.4	1804.1	1798.3	1744.8	1673.5	1637.9	1611.6
157.5°	1762.7	1766.8	1783.0	1799.3	1783.0	1766.8	1762.7	1721.1	1665.6	1637.9	1619.8
160°	1744.8	1747.1	1756.6	1766.0	1756.6	1747.1	1744.8	1709.2	1661.6	1637.9	1623.5
162.5°	1728.1	1730.3	1739.2	1748.1	1739.2	1730.3	1728.1	1698.0	1658.0	1637.9	1627.5
165°	1702.5	1704.8	1714.3	1723.6	1714.3	1704.8	1702.5	1681.0	1652.2	1637.9	1633.1
167.5°	1691.3	1692.3	1696.3	1700.3	1696.3	1692.3	1691.3	1677.2	1658.4	1649.0	1645.1
170°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1677.2	1658.4	1649.0	1648.8
172.5°	1682.4	1681.5	1678.1	1674.6	1678.1	1681.5	1682.4	1671.3	1656.4	1649.0	1649.0
175°	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1670.2	1663.1	1653.8	1649.0	1651.3
177.5°	1667.9	1667.0	1663.0	1659.0	1663.0	1667.0	1667.9	1662.4	1655.0	1651.3	1653.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0	1659.0



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1886.9	1886.9	1886.9	1886.9	1886.9
2.5°	1863.7	1872.6	1878.0	1885.1	1903.0
5°	1792.3	1826.2	1836.9	1863.7	1895.8
7.5°	1635.2	1738.7	1767.3	1831.6	1881.6
10°	1483.4	1587.0	1637.0	1788.7	1863.7
12.5°	1406.7	1467.4	1501.3	1713.7	1838.7
15°	1358.5	1401.3	1426.3	1613.8	1810.1
17.5°	1321.0	1351.3	1369.2	1515.6	1770.9
20°	1297.8	1312.1	1328.1	1444.2	1726.2
22.5°	1281.7	1272.8	1285.3	1394.2	1665.5
25°	1271.0	1237.1	1251.4	1354.9	1594.1
27.5°	1279.9	1204.9	1210.3	1319.2	1519.1
30°	1281.7	1165.7	1167.5	1281.7	1435.2
32.5°	1269.2	1124.6	1126.4	1235.3	1340.6
35°	1238.9	1076.4	1074.6	1181.7	1212.1
37.5°	1197.8	1024.7	1024.7	1122.8	1071.1
40°	1147.8	973.0	978.3	1046.2	946.2
42.5°	1087.1	917.6	924.8	944.4	853.3
45°	1021.2	864.1	869.4	798.0	781.9
47.5°	948.0	808.7	810.5	662.3	758.7
50°	860.5	751.6	744.4	567.7	756.9
52.5°	783.7	689.1	667.7	514.1	687.3
55°	708.7	623.0	576.6	473.1	637.3
57.5°	642.7	537.4	492.7	424.9	626.6
60°	582.0	453.5	419.5	373.1	574.8
62.5°	532.0	391.0	383.8	337.4	521.3
65°	478.4	348.1	346.3	307.1	442.7
67.5°	426.7	319.6	317.8	278.5	337.4
70°	371.3	289.2	285.6	248.1	249.9
72.5°	314.2	255.3	251.7	223.2	207.1
75°	257.1	216.0	214.2	194.6	167.8
77.5°	201.7	171.4	175.0	157.1	123.2
80°	144.6	125.0	128.5	112.5	92.8
82.5°	96.4	82.1	85.7	71.4	62.5
85°	53.6	46.4	48.2	37.5	28.6
87.5°	25.0	21.4	21.4	14.3	8.9
90°	49.0	31.2	28.9	20.1	11.2
92.5°	302.2	214.9	196.0	120.2	44.5
95°	743.4	418.6	384.0	245.5	106.9
97.5°	1001.4	459.9	429.4	307.1	184.9
100°	1095.3	494.4	466.7	355.8	244.9
102.5°	1138.4	528.9	503.0	399.6	296.2
105°	1170.2	580.1	558.2	470.6	383.0
107.5°	1176.2	655.8	635.4	553.8	472.1
110°	1167.3	698.1	679.7	606.0	532.3



TEST NUMBER: P935945

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1167.6	749.4	731.8	661.5	591.3
115°	1178.4	826.2	810.0	745.2	680.4
117.5°	1200.3	900.8	886.1	827.2	768.3
120°	1218.2	944.2	930.4	874.9	819.5
122.5°	1243.8	995.4	981.4	925.6	869.6
125°	1278.2	1061.1	1048.4	997.4	946.4
127.5°	1312.8	1124.6	1111.8	1060.3	1008.8
130°	1338.0	1166.9	1153.1	1097.7	1042.2
132.5°	1358.5	1201.5	1187.6	1132.2	1076.8
135°	1380.7	1241.5	1229.0	1178.4	1127.9
137.5°	1414.1	1292.7	1280.2	1230.3	1180.3
140°	1434.5	1327.2	1315.7	1269.8	1223.7
142.5°	1451.6	1352.9	1342.2	1299.7	1257.1
145°	1473.9	1391.9	1382.6	1345.4	1308.3
147.5°	1506.6	1440.9	1431.9	1395.7	1359.5
150°	1523.5	1466.4	1458.3	1425.6	1392.9
152.5°	1534.8	1483.2	1477.0	1452.2	1427.5
155°	1559.2	1519.9	1515.3	1497.0	1478.7
157.5°	1583.7	1556.6	1552.2	1534.4	1516.6
160°	1594.8	1573.3	1569.9	1556.0	1542.2
162.5°	1606.7	1591.2	1588.6	1578.2	1567.8
165°	1623.8	1616.7	1614.4	1604.9	1595.6
167.5°	1637.2	1631.3	1630.1	1625.6	1621.2
170°	1648.3	1648.0	1646.8	1642.3	1637.9
172.5°	1649.0	1649.0	1648.8	1647.8	1646.8
175°	1655.7	1659.0	1659.0	1659.0	1659.0
177.5°	1656.4	1659.0	1659.0	1659.0	1659.0
180°	1659.0	1659.0	1659.0	1659.0	1659.0



TEST NUMBER: P935945  
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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	10.31	11.02	11.41	12.12	13.64	13.14	13.86	14.25	14.96	16.47
	3H	10.77	11.41	11.88	12.52	14.05	14.48	15.12	15.59	16.23	17.76
	4H	10.96	11.56	12.08	12.67	14.21	14.92	15.53	16.04	16.63	18.17
	6H	11.07	11.63	12.20	12.74	14.29	15.20	15.76	16.33	16.87	18.42
	8H	11.06	11.60	12.20	12.72	14.26	15.27	15.80	16.40	16.93	18.47
	12H	11.03	11.53	12.17	12.65	14.22	15.30	15.81	16.44	16.93	18.50
4H	2H	11.32	11.93	12.45	13.04	14.58	13.53	14.14	14.66	15.25	16.79
	3H	12.33	12.84	13.47	13.98	15.53	15.03	15.53	16.16	16.67	18.22
	4H	12.60	13.07	13.74	14.19	15.76	15.55	16.02	16.69	17.14	18.71
	6H	12.72	13.12	13.87	14.27	15.83	15.91	16.31	17.06	17.46	19.02
	8H	12.72	13.10	13.87	14.23	15.81	16.01	16.39	17.16	17.53	19.10
	12H	12.68	13.02	13.84	14.17	15.75	16.07	16.40	17.23	17.55	19.14
8H	4H	13.05	13.42	14.19	14.56	16.14	15.66	16.04	16.81	17.17	18.75
	6H	13.30	13.61	14.47	14.79	16.37	16.10	16.40	17.26	17.58	19.16
	8H	13.34	13.61	14.51	14.77	16.37	16.25	16.52	17.42	17.68	19.27
	12H	13.32	13.56	14.50	14.71	16.34	16.34	16.58	17.52	17.73	19.36
12H	4H	13.05	13.38	14.21	14.53	16.12	15.62	15.96	16.78	17.11	18.69
	6H	13.36	13.63	14.53	14.79	16.39	16.09	16.36	17.26	17.52	19.12
	8H	13.42	13.66	14.60	14.82	16.44	16.25	16.48	17.42	17.64	19.27