

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: P935944

Luminaire Tested: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935944
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-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

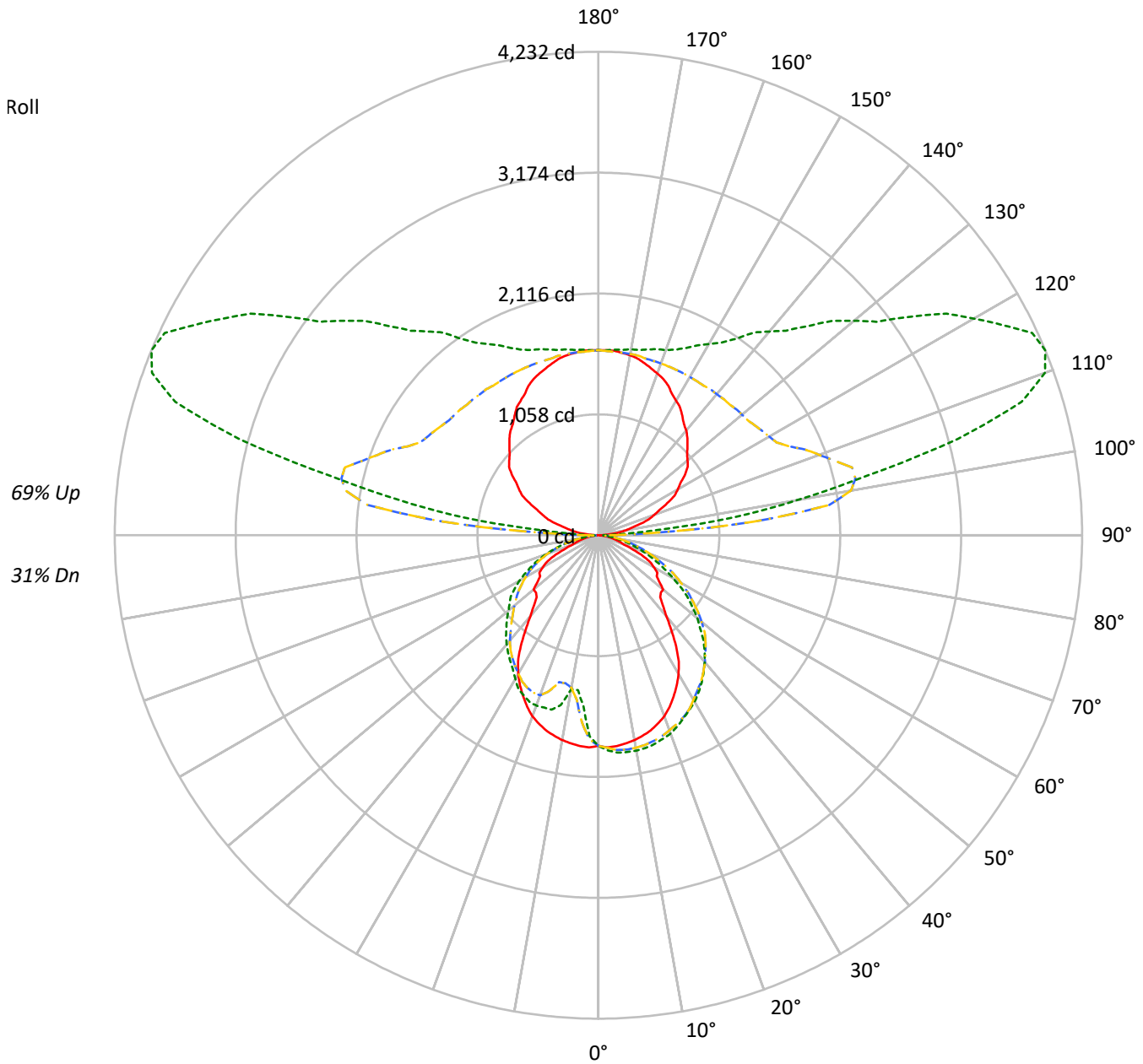
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15292.9 lumens
Efficiency: N/A
Efficacy: 120.2 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°	8553	8553	8553	8553
5°	8616	8634	8616	6789
10°	8559	8504	8559	6080
15°	8466	8320	8466	6947
20°	8289	8102	8289	6962
25°	7927	7783	7927	6815
30°	7458	7519	7458	6490
35°	6648	7185	6648	6135
40°	5541	6791	5541	5866
45°	4950	6331	4950	5556
50°	5259	5781	5259	5246
55°	4948	5190	4948	5066
60°	5101	4408	5101	4641
65°	4624	3643	4624	4073
70°	3203	2903	3203	3414
75°	2807	2146	2807	2570
80°	2263	1419	2263	1545
85°	1300	752	1300	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.4	1.1
10°-20°	472.4	3.1
20°-30°	730.3	4.8
30°-40°	871.8	5.7
40°-50°	877.0	5.7
50°-60°	763.1	5.0
60°-70°	541.0	3.5
70°-80°	286.2	1.9
80°-90°	77.5	0.5
90°-100°	790.1	5.2
100°-110°	2077.1	13.6
110°-120°	2153.8	14.1
120°-130°	1727.6	11.3
130°-140°	1355.5	8.9
140°-150°	1040.4	6.8
150°-160°	749.3	4.9
160°-170°	458.4	3.0
170°-180°	154.9	1.0
0°-30°	1369.2	9.0
0°-40°	2241.0	14.7
0°-60°	3881.0	25.4
0°-90°	4785.8	31.3
90°-120°	5020.9	32.8
90°-150°	9144.4	59.8
90°-180°	10507.0	68.7
0°-180°	15292.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1843	1843	1843	1843	1843	
5°	1852	1910	1852	1502	1852	176
15°	1768	1892	1768	1580	1768	498
25°	1557	1765	1557	1545	1557	715
35°	1184	1575	1184	1345	1184	733
45°	764	1298	764	1139	764	612
55°	623	958	623	935	623	572
65°	432	577	432	645	432	413
75°	164	274	164	328	164	172
85°	28	70	28	59	28	38
90°	11	41	11	41	11	10
95°	104	478	104	478	104	116
105°	374	3252	374	3252	374	397
115°	665	4188	665	4188	665	656
125°	925	3335	925	3335	925	821
135°	1102	2588	1102	2588	1102	853
145°	1278	2099	1278	2099	1278	801
155°	1445	1808	1445	1808	1445	664
165°	1559	1684	1559	1684	1559	440
175°	1621	1632	1621	1632	1621	154
180°	1621	1621	1621	1621	1621	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1859.1	1859.1	1869.6	1873.0	1873.0	1867.8	1862.6	1867.8	1883.5	1888.7	1887.0
5°	1852.1	1866.1	1885.3	1888.7	1892.2	1890.5	1887.0	1890.5	1907.9	1911.4	1913.2
7.5°	1838.2	1864.3	1888.7	1894.0	1899.2	1894.0	1892.2	1895.7	1913.2	1916.6	1916.6
10°	1820.7	1857.3	1885.3	1888.7	1894.0	1888.7	1888.7	1895.7	1913.2	1916.6	1918.4
12.5°	1796.3	1846.9	1873.0	1876.5	1883.5	1881.8	1880.0	1887.0	1904.4	1907.9	1907.9
15°	1768.4	1827.7	1852.1	1855.6	1867.8	1864.3	1864.3	1871.3	1890.5	1895.7	1894.0
17.5°	1730.0	1803.3	1831.2	1836.4	1845.1	1843.4	1845.1	1852.1	1869.6	1873.0	1874.8
20°	1686.4	1770.1	1803.3	1808.5	1817.2	1817.2	1817.2	1826.0	1843.4	1850.4	1850.4
22.5°	1627.1	1735.3	1770.1	1773.6	1784.1	1784.1	1787.6	1799.8	1815.5	1817.2	1817.2
25°	1557.4	1696.9	1726.5	1737.0	1747.5	1752.7	1757.9	1764.9	1770.1	1768.4	1770.1
27.5°	1484.1	1648.1	1686.4	1693.4	1707.4	1712.6	1719.6	1721.3	1723.1	1728.3	1724.8
30°	1402.1	1580.0	1637.6	1644.6	1667.2	1670.7	1663.8	1667.2	1676.0	1679.5	1682.9
32.5°	1309.7	1478.9	1587.0	1602.7	1623.6	1613.2	1611.4	1616.7	1630.6	1630.6	1634.1
35°	1184.1	1400.4	1539.9	1553.9	1569.6	1557.4	1564.3	1566.1	1574.8	1580.0	1578.3
37.5°	1046.4	1332.4	1491.1	1501.6	1513.8	1498.1	1508.5	1513.8	1520.7	1517.3	1517.3
40°	924.4	1226.0	1433.5	1440.5	1451.0	1438.8	1449.2	1452.7	1456.2	1452.7	1451.0
42.5°	833.7	1109.1	1372.5	1381.2	1374.2	1383.0	1386.4	1393.4	1388.2	1381.2	1381.2
45°	763.9	1077.7	1306.2	1316.7	1306.2	1320.2	1325.4	1325.4	1309.7	1306.2	1304.5
47.5°	741.2	1015.0	1239.9	1239.9	1234.7	1252.2	1260.9	1248.7	1233.0	1227.7	1227.7
50°	739.5	945.3	1149.3	1142.3	1166.7	1187.6	1178.9	1166.7	1154.5	1135.3	1135.3
52.5°	671.5	859.8	1032.5	1058.6	1096.9	1109.1	1095.2	1083.0	1062.1	1053.3	1046.4
55°	622.6	770.9	926.1	978.4	1018.5	1034.2	1008.1	995.9	964.5	959.2	955.7
57.5°	612.2	641.8	828.4	894.7	943.5	941.8	926.1	903.4	877.3	872.0	870.3
60°	561.6	463.9	723.8	802.3	852.8	847.6	833.7	812.7	788.3	784.8	781.3
62.5°	509.3	336.6	605.2	694.1	765.6	763.9	751.7	720.3	702.9	694.1	687.2
65°	432.5	282.5	430.8	577.3	680.2	683.7	657.5	634.8	615.7	605.2	603.4
67.5°	329.6	230.2	291.3	481.4	598.2	594.7	561.6	551.1	526.7	521.5	511.0
70°	244.2	153.5	202.3	390.7	518.0	509.3	483.1	470.9	448.2	436.0	429.0
72.5°	202.3	123.8	148.2	303.5	436.0	425.6	402.9	388.9	369.7	359.3	352.3
75°	163.9	130.8	113.4	225.0	354.0	347.1	326.1	312.2	296.5	282.5	284.3
77.5°	120.3	122.1	90.7	165.7	280.8	270.3	258.1	240.7	233.7	219.8	219.8
80°	90.7	95.9	68.0	113.4	202.3	202.3	191.8	179.6	167.4	160.5	160.5
82.5°	61.0	61.0	50.6	71.5	137.8	132.5	125.6	122.1	115.1	111.6	111.6
85°	27.9	34.9	31.4	43.6	75.0	78.5	78.5	75.0	73.3	69.8	71.5
87.5°	8.7	15.7	19.2	24.4	38.4	40.1	41.9	41.9	41.9	43.6	43.6
90°	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1	41.3	41.3
92.5°	43.5	117.5	191.5	210.0	295.2	408.8	465.6	408.0	293.0	206.7	198.5
95°	104.5	239.8	375.1	409.0	726.2	1149.3	1360.8	1214.3	921.4	701.6	676.7
97.5°	180.6	300.0	419.4	449.3	978.3	1683.7	2036.4	1943.8	1758.6	1619.7	1572.4
100°	239.3	347.6	455.9	483.0	1070.1	1852.7	2244.1	2250.9	2264.4	2274.5	2218.1
102.5°	289.3	390.4	491.4	516.7	1112.1	1905.9	2302.9	2420.9	2656.7	2833.7	2785.4
105°	374.2	459.7	545.4	566.7	1143.2	1911.9	2296.3	2560.8	3089.7	3486.4	3460.4
107.5°	461.2	541.0	620.7	640.7	1149.1	1826.9	2165.8	2534.7	3272.5	3825.8	3832.1
110°	520.0	592.0	664.1	682.0	1140.4	1751.5	2057.0	2469.4	3294.2	3912.8	3939.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	577.6	646.3	714.9	732.1	1140.7	1685.6	1958.0	2380.0	3224.2	3857.3	3898.9
115°	664.7	728.0	791.3	807.2	1151.3	1610.0	1839.5	2246.0	3059.2	3669.1	3726.7
117.5°	750.6	808.1	865.7	880.1	1172.6	1562.8	1757.8	2124.8	2858.7	3409.1	3473.0
120°	800.6	854.8	908.9	922.4	1190.1	1546.8	1725.2	2060.5	2731.1	3234.0	3296.1
122.5°	849.5	904.2	958.8	972.5	1215.1	1538.5	1700.2	2002.1	2606.0	3058.8	3120.1
125°	924.6	974.4	1024.2	1036.7	1248.8	1531.6	1673.0	1929.5	2442.4	2827.1	2883.6
127.5°	985.6	1035.8	1086.1	1098.7	1282.5	1527.6	1650.1	1870.3	2310.8	2641.1	2688.7
130°	1018.2	1072.3	1126.5	1140.0	1307.2	1530.0	1641.4	1837.5	2229.6	2523.7	2567.7
132.5°	1051.9	1106.1	1160.2	1173.8	1327.1	1531.6	1633.8	1809.3	2160.3	2423.6	2463.0
135°	1101.9	1151.3	1200.6	1212.9	1348.9	1530.2	1620.8	1767.8	2061.7	2282.2	2316.1
137.5°	1153.1	1201.9	1250.7	1262.9	1381.5	1539.6	1618.7	1742.9	1991.4	2177.7	2205.5
140°	1195.5	1240.5	1285.4	1296.6	1401.4	1541.1	1611.0	1718.3	1933.0	2094.0	2120.0
142.5°	1228.1	1269.7	1311.3	1321.7	1418.1	1546.7	1611.0	1705.3	1893.8	2035.2	2057.6
145°	1278.1	1314.4	1350.7	1359.8	1439.9	1546.7	1600.1	1677.2	1831.4	1947.2	1964.1
147.5°	1328.2	1363.5	1398.8	1407.6	1471.8	1557.4	1600.1	1660.8	1782.1	1873.1	1887.2
150°	1360.8	1392.7	1424.6	1432.6	1488.4	1562.9	1600.1	1651.4	1753.8	1830.7	1842.1
152.5°	1394.6	1418.7	1443.0	1449.0	1499.4	1566.5	1600.1	1643.9	1731.3	1797.0	1805.5
155°	1444.6	1462.5	1480.4	1484.8	1523.3	1574.5	1600.1	1634.9	1704.6	1756.8	1762.5
157.5°	1481.6	1499.0	1516.4	1520.7	1547.2	1582.5	1600.1	1627.2	1681.4	1722.0	1726.0
160°	1506.6	1520.1	1533.6	1537.0	1558.1	1586.1	1600.1	1623.3	1669.8	1704.6	1706.8
162.5°	1531.6	1541.8	1552.0	1554.5	1569.7	1590.0	1600.1	1619.7	1658.9	1688.3	1690.4
165°	1558.8	1567.9	1577.2	1579.4	1586.3	1595.5	1600.1	1614.1	1642.2	1663.2	1665.5
167.5°	1583.8	1588.1	1592.5	1593.6	1599.4	1607.2	1611.0	1620.2	1638.6	1652.3	1653.3
170°	1600.1	1604.5	1608.8	1609.9	1610.3	1610.7	1611.0	1620.2	1638.6	1652.3	1652.3
172.5°	1608.8	1609.8	1610.7	1611.0	1611.0	1611.0	1611.0	1618.2	1632.7	1643.6	1642.7
175°	1620.8	1620.8	1620.8	1620.8	1617.5	1613.2	1611.0	1615.6	1624.8	1631.7	1631.7
177.5°	1620.8	1620.8	1620.8	1620.8	1618.2	1614.8	1613.2	1616.8	1624.1	1629.5	1628.5
180°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1890.5	1885.3	1890.5	1887.0	1888.7	1883.5	1867.8	1862.6	1867.8	1873.0	1873.0
5°	1913.2	1909.7	1913.2	1913.2	1911.4	1907.9	1890.5	1887.0	1890.5	1892.2	1888.7
7.5°	1920.1	1914.9	1920.1	1916.6	1916.6	1913.2	1895.7	1892.2	1894.0	1899.2	1894.0
10°	1920.1	1914.9	1920.1	1918.4	1916.6	1913.2	1895.7	1888.7	1888.7	1894.0	1888.7
12.5°	1911.4	1907.9	1911.4	1907.9	1907.9	1904.4	1887.0	1880.0	1881.8	1883.5	1876.5
15°	1897.5	1892.2	1897.5	1894.0	1895.7	1890.5	1871.3	1864.3	1864.3	1867.8	1855.6
17.5°	1876.5	1869.6	1876.5	1874.8	1873.0	1869.6	1852.1	1845.1	1843.4	1845.1	1836.4
20°	1852.1	1846.9	1852.1	1850.4	1850.4	1843.4	1826.0	1817.2	1817.2	1817.2	1808.5
22.5°	1813.7	1808.5	1813.7	1817.2	1817.2	1815.5	1799.8	1787.6	1784.1	1784.1	1773.6
25°	1770.1	1764.9	1770.1	1770.1	1768.4	1770.1	1764.9	1757.9	1752.7	1747.5	1737.0
27.5°	1728.3	1724.8	1728.3	1724.8	1728.3	1723.1	1721.3	1719.6	1712.6	1707.4	1693.4
30°	1686.4	1682.9	1686.4	1682.9	1679.5	1676.0	1667.2	1663.8	1670.7	1667.2	1644.6
32.5°	1634.1	1630.6	1634.1	1634.1	1630.6	1630.6	1616.7	1611.4	1613.2	1623.6	1602.7
35°	1580.0	1574.8	1580.0	1578.3	1580.0	1574.8	1566.1	1564.3	1557.4	1569.6	1553.9
37.5°	1517.3	1512.0	1517.3	1517.3	1517.3	1520.7	1513.8	1508.5	1498.1	1513.8	1501.6
40°	1452.7	1445.7	1452.7	1451.0	1452.7	1456.2	1452.7	1449.2	1438.8	1451.0	1440.5
42.5°	1379.5	1377.7	1379.5	1381.2	1381.2	1388.2	1393.4	1386.4	1383.0	1374.2	1381.2
45°	1301.0	1297.5	1301.0	1304.5	1306.2	1309.7	1325.4	1325.4	1320.2	1306.2	1316.7
47.5°	1217.3	1208.6	1217.3	1227.7	1227.7	1233.0	1248.7	1260.9	1252.2	1234.7	1239.9
50°	1128.3	1130.1	1128.3	1135.3	1135.3	1154.5	1166.7	1178.9	1187.6	1166.7	1142.3
52.5°	1041.1	1039.5	1041.1	1046.4	1053.3	1062.1	1083.0	1095.2	1109.1	1096.9	1058.6
55°	954.0	957.5	954.0	955.7	959.2	964.5	995.9	1008.1	1034.2	1018.5	978.4
57.5°	866.8	861.6	866.8	870.3	872.0	877.3	903.4	926.1	941.8	943.5	894.7
60°	765.6	758.7	765.6	781.3	784.8	788.3	812.7	833.7	847.6	852.8	802.3
62.5°	676.7	664.5	676.7	687.2	694.1	702.9	720.3	751.7	763.9	765.6	694.1
65°	582.5	577.3	582.5	603.4	605.2	615.7	634.8	657.5	683.7	680.2	577.3
67.5°	497.1	497.1	497.1	511.0	521.5	526.7	551.1	561.6	594.7	598.2	481.4
70°	418.6	416.8	418.6	429.0	436.0	448.2	470.9	483.1	509.3	518.0	390.7
72.5°	343.6	341.8	343.6	352.3	359.3	369.7	388.9	402.9	425.6	436.0	303.5
75°	277.3	273.8	277.3	284.3	282.5	296.5	312.2	326.1	347.1	354.0	225.0
77.5°	212.8	212.8	212.8	219.8	219.8	233.7	240.7	258.1	270.3	280.8	165.7
80°	158.7	157.0	158.7	160.5	160.5	167.4	179.6	191.8	202.3	202.3	113.4
82.5°	111.6	108.1	111.6	111.6	111.6	115.1	122.1	125.6	132.5	137.8	71.5
85°	69.8	69.8	69.8	71.5	69.8	73.3	75.0	78.5	78.5	75.0	43.6
87.5°	45.3	43.6	45.3	43.6	43.6	41.9	41.9	41.9	40.1	38.4	24.4
90°	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1	47.9	30.4
92.5°	165.6	132.7	165.6	198.5	206.7	293.0	408.0	465.6	408.8	295.2	210.0
95°	577.1	477.5	577.1	676.7	701.6	921.4	1214.3	1360.8	1149.3	726.2	409.0
97.5°	1382.8	1193.3	1382.8	1572.4	1619.7	1758.6	1943.8	2036.4	1683.7	978.3	449.3
100°	1992.3	1766.6	1992.3	2218.1	2274.5	2264.4	2250.9	2244.1	1852.7	1070.1	483.0
102.5°	2591.9	2398.6	2591.9	2785.4	2833.7	2656.7	2420.9	2302.9	1905.9	1112.1	516.7
105°	3356.5	3252.5	3356.5	3460.4	3486.4	3089.7	2560.8	2296.3	1911.9	1143.2	566.7
107.5°	3857.2	3882.3	3857.2	3832.1	3825.8	3272.5	2534.7	2165.8	1826.9	1149.1	640.7
110°	4048.2	4156.5	4048.2	3939.8	3912.8	3294.2	2469.4	2057.0	1751.5	1140.4	682.0



TEST NUMBER: P935944

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4065.2	4231.5	4065.2	3898.9	3857.3	3224.2	2380.0	1958.0	1685.6	1140.7	732.1
115°	3957.4	4187.9	3957.4	3726.7	3669.1	3059.2	2246.0	1839.5	1610.0	1151.3	807.2
117.5°	3728.8	3984.6	3728.8	3473.0	3409.1	2858.7	2124.8	1757.8	1562.8	1172.6	880.1
120°	3544.6	3793.1	3544.6	3296.1	3234.0	2731.1	2060.5	1725.2	1546.8	1190.1	922.4
122.5°	3365.3	3610.4	3365.3	3120.1	3058.8	2606.0	2002.1	1700.2	1538.5	1215.1	972.5
125°	3109.4	3335.2	3109.4	2883.6	2827.1	2442.4	1929.5	1673.0	1531.6	1248.8	1036.7
127.5°	2879.3	3069.7	2879.3	2688.7	2641.1	2310.8	1870.3	1650.1	1527.6	1282.5	1098.7
130°	2743.7	2919.7	2743.7	2567.7	2523.7	2229.6	1837.5	1641.4	1530.0	1307.2	1140.0
132.5°	2620.5	2778.2	2620.5	2463.0	2423.6	2160.3	1809.3	1633.8	1531.6	1327.1	1173.8
135°	2452.0	2587.8	2452.0	2316.1	2282.2	2061.7	1767.8	1620.8	1530.2	1348.9	1212.9
137.5°	2316.7	2427.9	2316.7	2205.5	2177.7	1991.4	1742.9	1618.7	1539.6	1381.5	1262.9
140°	2223.9	2327.9	2223.9	2120.0	2094.0	1933.0	1718.3	1611.0	1541.1	1401.4	1296.6
142.5°	2147.0	2236.5	2147.0	2057.6	2035.2	1893.8	1705.3	1611.0	1546.7	1418.1	1321.7
145°	2031.8	2099.4	2031.8	1964.1	1947.2	1831.4	1677.2	1600.1	1546.7	1439.9	1359.8
147.5°	1943.2	1999.3	1943.2	1887.2	1873.1	1782.1	1660.8	1600.1	1557.4	1471.8	1407.6
150°	1887.6	1933.0	1887.6	1842.1	1830.7	1753.8	1651.4	1600.1	1562.9	1488.4	1432.6
152.5°	1839.9	1874.3	1839.9	1805.5	1797.0	1731.3	1643.9	1600.1	1566.5	1499.4	1449.0
155°	1785.2	1807.9	1785.2	1762.5	1756.8	1704.6	1634.9	1600.1	1574.5	1523.3	1484.8
157.5°	1741.9	1757.8	1741.9	1726.0	1722.0	1681.4	1627.2	1600.1	1582.5	1547.2	1520.7
160°	1716.1	1725.2	1716.1	1706.8	1704.6	1669.8	1623.3	1600.1	1586.1	1558.1	1537.0
162.5°	1699.1	1707.8	1699.1	1690.4	1688.3	1658.9	1619.7	1600.1	1590.0	1569.7	1554.5
165°	1674.7	1683.9	1674.7	1665.5	1663.2	1642.2	1614.1	1600.1	1595.5	1586.3	1579.4
167.5°	1657.2	1661.1	1657.2	1653.3	1652.3	1638.6	1620.2	1611.0	1607.2	1599.4	1593.6
170°	1652.3	1652.3	1652.3	1652.3	1652.3	1638.6	1620.2	1611.0	1610.7	1610.3	1609.9
172.5°	1639.4	1636.0	1639.4	1642.7	1643.6	1632.7	1618.2	1611.0	1611.0	1611.0	1611.0
175°	1631.7	1631.7	1631.7	1631.7	1631.7	1624.8	1615.6	1611.0	1613.2	1617.5	1620.8
177.5°	1624.6	1620.8	1624.6	1628.5	1629.5	1624.1	1616.8	1613.2	1614.8	1618.2	1620.8
180°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8



TEST NUMBER: P935944

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1869.6	1859.1	1859.1	1841.6	1834.7	1829.4	1820.7	1794.6	1787.6	1780.6	1791.1
5°	1885.3	1866.1	1852.1	1820.7	1794.6	1784.1	1751.0	1688.2	1646.3	1614.9	1597.5
7.5°	1888.7	1864.3	1838.2	1789.3	1726.5	1698.6	1597.5	1482.4	1451.0	1423.1	1405.6
10°	1885.3	1857.3	1820.7	1747.5	1599.2	1550.4	1449.2	1374.2	1355.1	1349.8	1355.1
12.5°	1873.0	1846.9	1796.3	1674.2	1466.7	1433.5	1374.2	1330.6	1327.1	1335.9	1383.0
15°	1852.1	1827.7	1768.4	1576.6	1393.4	1369.0	1327.1	1311.5	1330.6	1391.7	1532.9
17.5°	1831.2	1803.3	1730.0	1480.6	1337.6	1320.2	1290.5	1321.9	1430.0	1512.0	1559.1
20°	1803.3	1770.1	1686.4	1410.9	1297.5	1281.8	1267.9	1409.1	1491.1	1520.7	1546.9
22.5°	1770.1	1735.3	1627.1	1362.0	1255.6	1243.4	1252.2	1458.0	1491.1	1512.0	1534.7
25°	1726.5	1696.9	1557.4	1323.7	1222.5	1208.6	1241.7	1452.7	1471.9	1477.1	1522.5
27.5°	1686.4	1648.1	1484.1	1288.8	1182.4	1177.2	1250.4	1430.0	1444.0	1449.2	1498.1
30°	1637.6	1580.0	1402.1	1252.2	1140.5	1138.8	1252.2	1402.1	1398.7	1412.6	1461.4
32.5°	1587.0	1478.9	1309.7	1206.8	1100.4	1098.7	1239.9	1360.3	1356.8	1376.0	1412.6
35°	1539.9	1400.4	1184.1	1154.5	1049.8	1051.6	1210.3	1311.5	1313.2	1330.6	1353.3
37.5°	1491.1	1332.4	1046.4	1096.9	1001.1	1001.1	1170.2	1266.1	1262.6	1267.9	1299.2
40°	1433.5	1226.0	924.4	1022.0	955.7	950.5	1121.3	1217.3	1205.1	1203.3	1246.9
42.5°	1372.5	1109.1	833.7	922.6	903.4	896.5	1062.1	1158.0	1135.3	1140.5	1196.3
45°	1306.2	1077.7	763.9	779.6	849.4	844.1	997.6	1090.0	1074.3	1088.2	1145.8
47.5°	1239.9	1015.0	741.2	647.0	791.8	790.1	926.1	1023.8	1015.0	1029.0	1090.0
50°	1149.3	945.3	739.5	554.6	727.3	734.3	840.6	959.2	959.2	971.4	1036.0
52.5°	1032.5	859.8	671.5	502.3	652.3	673.2	765.6	903.4	906.9	919.1	976.7
55°	926.1	770.9	622.6	462.2	563.3	608.7	692.4	845.9	852.8	865.1	917.4
57.5°	828.4	641.8	612.2	415.1	481.4	525.0	627.9	790.1	793.6	804.0	854.6
60°	723.8	463.9	561.6	364.5	409.9	443.0	568.6	723.8	736.0	743.0	786.6
62.5°	605.2	336.6	509.3	329.6	375.0	382.0	519.7	661.0	676.7	681.9	708.1
65°	430.8	282.5	432.5	300.0	338.3	340.1	467.4	596.5	610.4	619.1	638.3
67.5°	291.3	230.2	329.6	272.1	310.4	312.2	416.8	521.5	540.7	547.6	559.8
70°	202.3	153.5	244.2	242.4	279.1	282.5	362.8	453.5	470.9	476.1	483.1
72.5°	148.2	123.8	202.3	218.0	245.9	249.4	307.0	376.7	394.2	399.4	402.9
75°	113.4	130.8	163.9	190.1	209.3	211.0	251.1	307.0	319.2	322.7	324.4
77.5°	90.7	122.1	120.3	153.5	170.9	167.4	197.1	237.2	247.7	247.7	247.7
80°	68.0	95.9	90.7	109.9	125.6	122.1	141.3	169.2	172.7	176.2	174.4
82.5°	50.6	61.0	61.0	69.8	83.7	80.2	94.2	109.9	109.9	109.9	113.4
85°	31.4	34.9	27.9	36.6	47.1	45.3	52.3	59.3	61.0	61.0	57.6
87.5°	19.2	15.7	8.7	14.0	20.9	20.9	24.4	26.2	24.4	24.4	24.4
90°	28.3	19.6	10.9	19.6	28.3	30.4	47.9	71.1	82.7	73.5	55.1
92.5°	191.5	117.5	43.5	117.5	191.5	210.0	295.2	408.8	465.6	408.0	293.0
95°	375.1	239.8	104.5	239.8	375.1	409.0	726.2	1149.3	1360.8	1214.3	921.4
97.5°	419.4	300.0	180.6	300.0	419.4	449.3	978.3	1683.7	2036.4	1943.8	1758.6
100°	455.9	347.6	239.3	347.6	455.9	483.0	1070.1	1852.7	2244.1	2250.9	2264.4
102.5°	491.4	390.4	289.3	390.4	491.4	516.7	1112.1	1905.9	2302.9	2420.9	2656.7
105°	545.4	459.7	374.2	459.7	545.4	566.7	1143.2	1911.9	2296.3	2560.8	3089.7
107.5°	620.7	541.0	461.2	541.0	620.7	640.7	1149.1	1826.9	2165.8	2534.7	3272.5
110°	664.1	592.0	520.0	592.0	664.1	682.0	1140.4	1751.5	2057.0	2469.4	3294.2



TEST NUMBER: P935944

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	714.9	646.3	577.6	646.3	714.9	732.1	1140.7	1685.6	1958.0	2380.0	3224.2
115°	791.3	728.0	664.7	728.0	791.3	807.2	1151.3	1610.0	1839.5	2246.0	3059.2
117.5°	865.7	808.1	750.6	808.1	865.7	880.1	1172.6	1562.8	1757.8	2124.8	2858.7
120°	908.9	854.8	800.6	854.8	908.9	922.4	1190.1	1546.8	1725.2	2060.5	2731.1
122.5°	958.8	904.2	849.5	904.2	958.8	972.5	1215.1	1538.5	1700.2	2002.1	2606.0
125°	1024.2	974.4	924.6	974.4	1024.2	1036.7	1248.8	1531.6	1673.0	1929.5	2442.4
127.5°	1086.1	1035.8	985.6	1035.8	1086.1	1098.7	1282.5	1527.6	1650.1	1870.3	2310.8
130°	1126.5	1072.3	1018.2	1072.3	1126.5	1140.0	1307.2	1530.0	1641.4	1837.5	2229.6
132.5°	1160.2	1106.1	1051.9	1106.1	1160.2	1173.8	1327.1	1531.6	1633.8	1809.3	2160.3
135°	1200.6	1151.3	1101.9	1151.3	1200.6	1212.9	1348.9	1530.2	1620.8	1767.8	2061.7
137.5°	1250.7	1201.9	1153.1	1201.9	1250.7	1262.9	1381.5	1539.6	1618.7	1742.9	1991.4
140°	1285.4	1240.5	1195.5	1240.5	1285.4	1296.6	1401.4	1541.1	1611.0	1718.3	1933.0
142.5°	1311.3	1269.7	1228.1	1269.7	1311.3	1321.7	1418.1	1546.7	1611.0	1705.3	1893.8
145°	1350.7	1314.4	1278.1	1314.4	1350.7	1359.8	1439.9	1546.7	1600.1	1677.2	1831.4
147.5°	1398.8	1363.5	1328.2	1363.5	1398.8	1407.6	1471.8	1557.4	1600.1	1660.8	1782.1
150°	1424.6	1392.7	1360.8	1392.7	1424.6	1432.6	1488.4	1562.9	1600.1	1651.4	1753.8
152.5°	1443.0	1418.7	1394.6	1418.7	1443.0	1449.0	1499.4	1566.5	1600.1	1643.9	1731.3
155°	1480.4	1462.5	1444.6	1462.5	1480.4	1484.8	1523.3	1574.5	1600.1	1634.9	1704.6
157.5°	1516.4	1499.0	1481.6	1499.0	1516.4	1520.7	1547.2	1582.5	1600.1	1627.2	1681.4
160°	1533.6	1520.1	1506.6	1520.1	1533.6	1537.0	1558.1	1586.1	1600.1	1623.3	1669.8
162.5°	1552.0	1541.8	1531.6	1541.8	1552.0	1554.5	1569.7	1590.0	1600.1	1619.7	1658.9
165°	1577.2	1567.9	1558.8	1567.9	1577.2	1579.4	1586.3	1595.5	1600.1	1614.1	1642.2
167.5°	1592.5	1588.1	1583.8	1588.1	1592.5	1593.6	1599.4	1607.2	1611.0	1620.2	1638.6
170°	1608.8	1604.5	1600.1	1604.5	1608.8	1609.9	1610.3	1610.7	1611.0	1620.2	1638.6
172.5°	1610.7	1609.8	1608.8	1609.8	1610.7	1611.0	1611.0	1611.0	1611.0	1618.2	1632.7
175°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1617.5	1613.2	1611.0	1615.6	1624.8
177.5°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1618.2	1614.8	1613.2	1616.8	1624.1
180°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8



TEST NUMBER: P935944

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1778.9	1773.6	1780.6	1761.4	1780.6	1773.6	1778.9	1791.1	1780.6	1787.6	1794.6
5°	1560.9	1552.1	1524.2	1501.6	1524.2	1552.1	1560.9	1597.5	1614.9	1646.3	1688.2
7.5°	1395.2	1388.2	1381.2	1367.3	1381.2	1388.2	1395.2	1405.6	1423.1	1451.0	1482.4
10°	1358.5	1360.3	1370.8	1369.0	1370.8	1360.3	1358.5	1355.1	1349.8	1355.1	1374.2
12.5°	1452.7	1468.4	1526.0	1522.5	1526.0	1468.4	1452.7	1383.0	1335.9	1327.1	1330.6
15°	1560.9	1566.1	1578.3	1580.0	1578.3	1566.1	1560.9	1532.9	1391.7	1330.6	1311.5
17.5°	1571.3	1573.1	1581.8	1581.8	1581.8	1573.1	1571.3	1559.1	1512.0	1430.0	1321.9
20°	1562.6	1566.1	1583.5	1587.0	1583.5	1566.1	1562.6	1546.9	1520.7	1491.1	1409.1
22.5°	1559.1	1566.1	1580.0	1578.3	1580.0	1566.1	1559.1	1534.7	1512.0	1491.1	1458.0
25°	1541.7	1541.7	1543.4	1545.2	1543.4	1541.7	1541.7	1522.5	1477.1	1471.9	1452.7
27.5°	1505.0	1508.5	1519.0	1517.3	1519.0	1508.5	1505.0	1498.1	1449.2	1444.0	1430.0
30°	1471.9	1468.4	1459.7	1452.7	1459.7	1468.4	1471.9	1461.4	1412.6	1398.7	1402.1
32.5°	1416.1	1407.4	1398.7	1393.4	1398.7	1407.4	1416.1	1412.6	1376.0	1356.8	1360.3
35°	1349.8	1351.6	1349.8	1344.6	1349.8	1351.6	1349.8	1353.3	1330.6	1313.2	1311.5
37.5°	1302.7	1306.2	1304.5	1297.5	1304.5	1306.2	1302.7	1299.2	1267.9	1262.6	1266.1
40°	1253.9	1255.6	1253.9	1248.7	1253.9	1255.6	1253.9	1246.9	1203.3	1205.1	1217.3
42.5°	1206.8	1205.1	1199.8	1196.3	1199.8	1205.1	1206.8	1196.3	1140.5	1135.3	1158.0
45°	1152.7	1154.5	1144.0	1138.8	1144.0	1154.5	1152.7	1145.8	1088.2	1074.3	1090.0
47.5°	1098.7	1098.7	1090.0	1084.7	1090.0	1098.7	1098.7	1090.0	1029.0	1015.0	1023.8
50°	1041.1	1039.5	1027.3	1025.5	1027.3	1039.5	1041.1	1036.0	971.4	959.2	959.2
52.5°	974.9	974.9	976.7	980.2	976.7	974.9	974.9	976.7	919.1	906.9	903.4
55°	917.4	919.1	931.3	934.8	931.3	919.1	917.4	917.4	865.1	852.8	845.9
57.5°	858.1	858.1	866.8	866.8	866.8	858.1	858.1	854.6	804.0	793.6	790.1
60°	790.1	793.6	800.5	798.8	800.5	793.6	790.1	786.6	743.0	736.0	723.8
62.5°	718.6	722.0	723.8	720.3	723.8	722.0	718.6	708.1	681.9	676.7	661.0
65°	643.6	647.0	648.8	645.3	648.8	647.0	643.6	638.3	619.1	610.4	596.5
67.5°	566.8	565.1	563.3	570.3	563.3	565.1	566.8	559.8	547.6	540.7	521.5
70°	488.3	488.3	486.6	490.1	486.6	488.3	488.3	483.1	476.1	470.9	453.5
72.5°	404.6	402.9	409.9	404.6	409.9	402.9	404.6	402.9	399.4	394.2	376.7
75°	322.7	326.1	322.7	327.9	322.7	326.1	322.7	324.4	322.7	319.2	307.0
77.5°	245.9	249.4	245.9	245.9	245.9	249.4	245.9	247.7	247.7	247.7	237.2
80°	174.4	172.7	172.7	170.9	172.7	172.7	174.4	174.4	176.2	172.7	169.2
82.5°	111.6	109.9	109.9	113.4	109.9	109.9	111.6	113.4	109.9	109.9	109.9
85°	61.0	62.8	59.3	59.3	59.3	62.8	61.0	57.6	61.0	61.0	59.3
87.5°	22.7	20.9	20.9	20.9	20.9	20.9	22.7	24.4	24.4	24.4	26.2
90°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	55.1	73.5	82.7	71.1
92.5°	206.7	198.5	165.6	132.7	165.6	198.5	206.7	293.0	408.0	465.6	408.8
95°	701.6	676.7	577.1	477.5	577.1	676.7	701.6	921.4	1214.3	1360.8	1149.3
97.5°	1619.7	1572.4	1382.8	1193.3	1382.8	1572.4	1619.7	1758.6	1943.8	2036.4	1683.7
100°	2274.5	2218.1	1992.3	1766.6	1992.3	2218.1	2274.5	2264.4	2250.9	2244.1	1852.7
102.5°	2833.7	2785.4	2591.9	2398.6	2591.9	2785.4	2833.7	2656.7	2420.9	2302.9	1905.9
105°	3486.4	3460.4	3356.5	3252.5	3356.5	3460.4	3486.4	3089.7	2560.8	2296.3	1911.9
107.5°	3825.8	3832.1	3857.2	3882.3	3857.2	3832.1	3825.8	3272.5	2534.7	2165.8	1826.9
110°	3912.8	3939.8	4048.2	4156.5	4048.2	3939.8	3912.8	3294.2	2469.4	2057.0	1751.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3857.3	3898.9	4065.2	4231.5	4065.2	3898.9	3857.3	3224.2	2380.0	1958.0	1685.6
115°	3669.1	3726.7	3957.4	4187.9	3957.4	3726.7	3669.1	3059.2	2246.0	1839.5	1610.0
117.5°	3409.1	3473.0	3728.8	3984.6	3728.8	3473.0	3409.1	2858.7	2124.8	1757.8	1562.8
120°	3234.0	3296.1	3544.6	3793.1	3544.6	3296.1	3234.0	2731.1	2060.5	1725.2	1546.8
122.5°	3058.8	3120.1	3365.3	3610.4	3365.3	3120.1	3058.8	2606.0	2002.1	1700.2	1538.5
125°	2827.1	2883.6	3109.4	3335.2	3109.4	2883.6	2827.1	2442.4	1929.5	1673.0	1531.6
127.5°	2641.1	2688.7	2879.3	3069.7	2879.3	2688.7	2641.1	2310.8	1870.3	1650.1	1527.6
130°	2523.7	2567.7	2743.7	2919.7	2743.7	2567.7	2523.7	2229.6	1837.5	1641.4	1530.0
132.5°	2423.6	2463.0	2620.5	2778.2	2620.5	2463.0	2423.6	2160.3	1809.3	1633.8	1531.6
135°	2282.2	2316.1	2452.0	2587.8	2452.0	2316.1	2282.2	2061.7	1767.8	1620.8	1530.2
137.5°	2177.7	2205.5	2316.7	2427.9	2316.7	2205.5	2177.7	1991.4	1742.9	1618.7	1539.6
140°	2094.0	2120.0	2223.9	2327.9	2223.9	2120.0	2094.0	1933.0	1718.3	1611.0	1541.1
142.5°	2035.2	2057.6	2147.0	2236.5	2147.0	2057.6	2035.2	1893.8	1705.3	1611.0	1546.7
145°	1947.2	1964.1	2031.8	2099.4	2031.8	1964.1	1947.2	1831.4	1677.2	1600.1	1546.7
147.5°	1873.1	1887.2	1943.2	1999.3	1943.2	1887.2	1873.1	1782.1	1660.8	1600.1	1557.4
150°	1830.7	1842.1	1887.6	1933.0	1887.6	1842.1	1830.7	1753.8	1651.4	1600.1	1562.9
152.5°	1797.0	1805.5	1839.9	1874.3	1839.9	1805.5	1797.0	1731.3	1643.9	1600.1	1566.5
155°	1756.8	1762.5	1785.2	1807.9	1785.2	1762.5	1756.8	1704.6	1634.9	1600.1	1574.5
157.5°	1722.0	1726.0	1741.9	1757.8	1741.9	1726.0	1722.0	1681.4	1627.2	1600.1	1582.5
160°	1704.6	1706.8	1716.1	1725.2	1716.1	1706.8	1704.6	1669.8	1623.3	1600.1	1586.1
162.5°	1688.3	1690.4	1699.1	1707.8	1699.1	1690.4	1688.3	1658.9	1619.7	1600.1	1590.0
165°	1663.2	1665.5	1674.7	1683.9	1674.7	1665.5	1663.2	1642.2	1614.1	1600.1	1595.5
167.5°	1652.3	1653.3	1657.2	1661.1	1657.2	1653.3	1652.3	1638.6	1620.2	1611.0	1607.2
170°	1652.3	1652.3	1652.3	1652.3	1652.3	1652.3	1652.3	1638.6	1620.2	1611.0	1610.7
172.5°	1643.6	1642.7	1639.4	1636.0	1639.4	1642.7	1643.6	1632.7	1618.2	1611.0	1611.0
175°	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1624.8	1615.6	1611.0	1613.2
177.5°	1629.5	1628.5	1624.6	1620.8	1624.6	1628.5	1629.5	1624.1	1616.8	1613.2	1614.8
180°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1820.7	1829.4	1834.7	1841.6	1859.1
5°	1751.0	1784.1	1794.6	1820.7	1852.1
7.5°	1597.5	1698.6	1726.5	1789.3	1838.2
10°	1449.2	1550.4	1599.2	1747.5	1820.7
12.5°	1374.2	1433.5	1466.7	1674.2	1796.3
15°	1327.1	1369.0	1393.4	1576.6	1768.4
17.5°	1290.5	1320.2	1337.6	1480.6	1730.0
20°	1267.9	1281.8	1297.5	1410.9	1686.4
22.5°	1252.2	1243.4	1255.6	1362.0	1627.1
25°	1241.7	1208.6	1222.5	1323.7	1557.4
27.5°	1250.4	1177.2	1182.4	1288.8	1484.1
30°	1252.2	1138.8	1140.5	1252.2	1402.1
32.5°	1239.9	1098.7	1100.4	1206.8	1309.7
35°	1210.3	1051.6	1049.8	1154.5	1184.1
37.5°	1170.2	1001.1	1001.1	1096.9	1046.4
40°	1121.3	950.5	955.7	1022.0	924.4
42.5°	1062.1	896.5	903.4	922.6	833.7
45°	997.6	844.1	849.4	779.6	763.9
47.5°	926.1	790.1	791.8	647.0	741.2
50°	840.6	734.3	727.3	554.6	739.5
52.5°	765.6	673.2	652.3	502.3	671.5
55°	692.4	608.7	563.3	462.2	622.6
57.5°	627.9	525.0	481.4	415.1	612.2
60°	568.6	443.0	409.9	364.5	561.6
62.5°	519.7	382.0	375.0	329.6	509.3
65°	467.4	340.1	338.3	300.0	432.5
67.5°	416.8	312.2	310.4	272.1	329.6
70°	362.8	282.5	279.1	242.4	244.2
72.5°	307.0	249.4	245.9	218.0	202.3
75°	251.1	211.0	209.3	190.1	163.9
77.5°	197.1	167.4	170.9	153.5	120.3
80°	141.3	122.1	125.6	109.9	90.7
82.5°	94.2	80.2	83.7	69.8	61.0
85°	52.3	45.3	47.1	36.6	27.9
87.5°	24.4	20.9	20.9	14.0	8.7
90°	47.9	30.4	28.3	19.6	10.9
92.5°	295.2	210.0	191.5	117.5	43.5
95°	726.2	409.0	375.1	239.8	104.5
97.5°	978.3	449.3	419.4	300.0	180.6
100°	1070.1	483.0	455.9	347.6	239.3
102.5°	1112.1	516.7	491.4	390.4	289.3
105°	1143.2	566.7	545.4	459.7	374.2
107.5°	1149.1	640.7	620.7	541.0	461.2
110°	1140.4	682.0	664.1	592.0	520.0



TEST NUMBER: P935944

CATALOG NUMBER: SQ4-FA-150U-075D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1140.7	732.1	714.9	646.3	577.6
115°	1151.3	807.2	791.3	728.0	664.7
117.5°	1172.6	880.1	865.7	808.1	750.6
120°	1190.1	922.4	908.9	854.8	800.6
122.5°	1215.1	972.5	958.8	904.2	849.5
125°	1248.8	1036.7	1024.2	974.4	924.6
127.5°	1282.5	1098.7	1086.1	1035.8	985.6
130°	1307.2	1140.0	1126.5	1072.3	1018.2
132.5°	1327.1	1173.8	1160.2	1106.1	1051.9
135°	1348.9	1212.9	1200.6	1151.3	1101.9
137.5°	1381.5	1262.9	1250.7	1201.9	1153.1
140°	1401.4	1296.6	1285.4	1240.5	1195.5
142.5°	1418.1	1321.7	1311.3	1269.7	1228.1
145°	1439.9	1359.8	1350.7	1314.4	1278.1
147.5°	1471.8	1407.6	1398.8	1363.5	1328.2
150°	1488.4	1432.6	1424.6	1392.7	1360.8
152.5°	1499.4	1449.0	1443.0	1418.7	1394.6
155°	1523.3	1484.8	1480.4	1462.5	1444.6
157.5°	1547.2	1520.7	1516.4	1499.0	1481.6
160°	1558.1	1537.0	1533.6	1520.1	1506.6
162.5°	1569.7	1554.5	1552.0	1541.8	1531.6
165°	1586.3	1579.4	1577.2	1567.9	1558.8
167.5°	1599.4	1593.6	1592.5	1588.1	1583.8
170°	1610.3	1609.9	1608.8	1604.5	1600.1
172.5°	1611.0	1611.0	1610.7	1609.8	1608.8
175°	1617.5	1620.8	1620.8	1620.8	1620.8
177.5°	1618.2	1620.8	1620.8	1620.8	1620.8
180°	1620.8	1620.8	1620.8	1620.8	1620.8



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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	10.22	10.94	11.33	12.04	13.55	13.06	13.78	14.17	14.88	16.39
	3H	10.69	11.33	11.80	12.44	13.97	14.40	15.04	15.51	16.15	17.68
	4H	10.87	11.48	12.00	12.59	14.13	14.84	15.45	15.96	16.55	18.09
	6H	10.99	11.54	12.12	12.66	14.21	15.12	15.68	16.25	16.79	18.34
	8H	10.98	11.51	12.12	12.64	14.18	15.19	15.72	16.32	16.85	18.39
	12H	10.95	11.45	12.09	12.57	14.14	15.22	15.73	16.36	16.85	18.41
4H	2H	11.24	11.85	12.37	12.96	14.49	13.45	14.06	14.58	15.17	16.71
	3H	12.25	12.76	13.39	13.90	15.45	14.95	15.45	16.08	16.59	18.14
	4H	12.52	12.99	13.66	14.11	15.68	15.47	15.94	16.61	17.06	18.63
	6H	12.64	13.04	13.78	14.19	15.75	15.83	16.23	16.97	17.38	18.94
	8H	12.64	13.01	13.79	14.15	15.73	15.93	16.31	17.08	17.44	19.02
	12H	12.60	12.94	13.76	14.09	15.67	15.98	16.32	17.15	17.47	19.06
8H	4H	12.97	13.34	14.11	14.48	16.06	15.58	15.95	16.73	17.09	18.67
	6H	13.22	13.53	14.39	14.71	16.28	16.02	16.32	17.18	17.50	19.08
	8H	13.26	13.53	14.43	14.69	16.29	16.17	16.43	17.34	17.59	19.19
	12H	13.24	13.48	14.41	14.63	16.26	16.26	16.50	17.43	17.65	19.28
12H	4H	12.97	13.30	14.13	14.45	16.04	15.54	15.88	16.70	17.03	18.61
	6H	13.28	13.55	14.45	14.71	16.31	16.01	16.28	17.18	17.44	19.03
	8H	13.34	13.58	14.52	14.73	16.36	16.17	16.40	17.34	17.56	19.19