

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: P936062

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

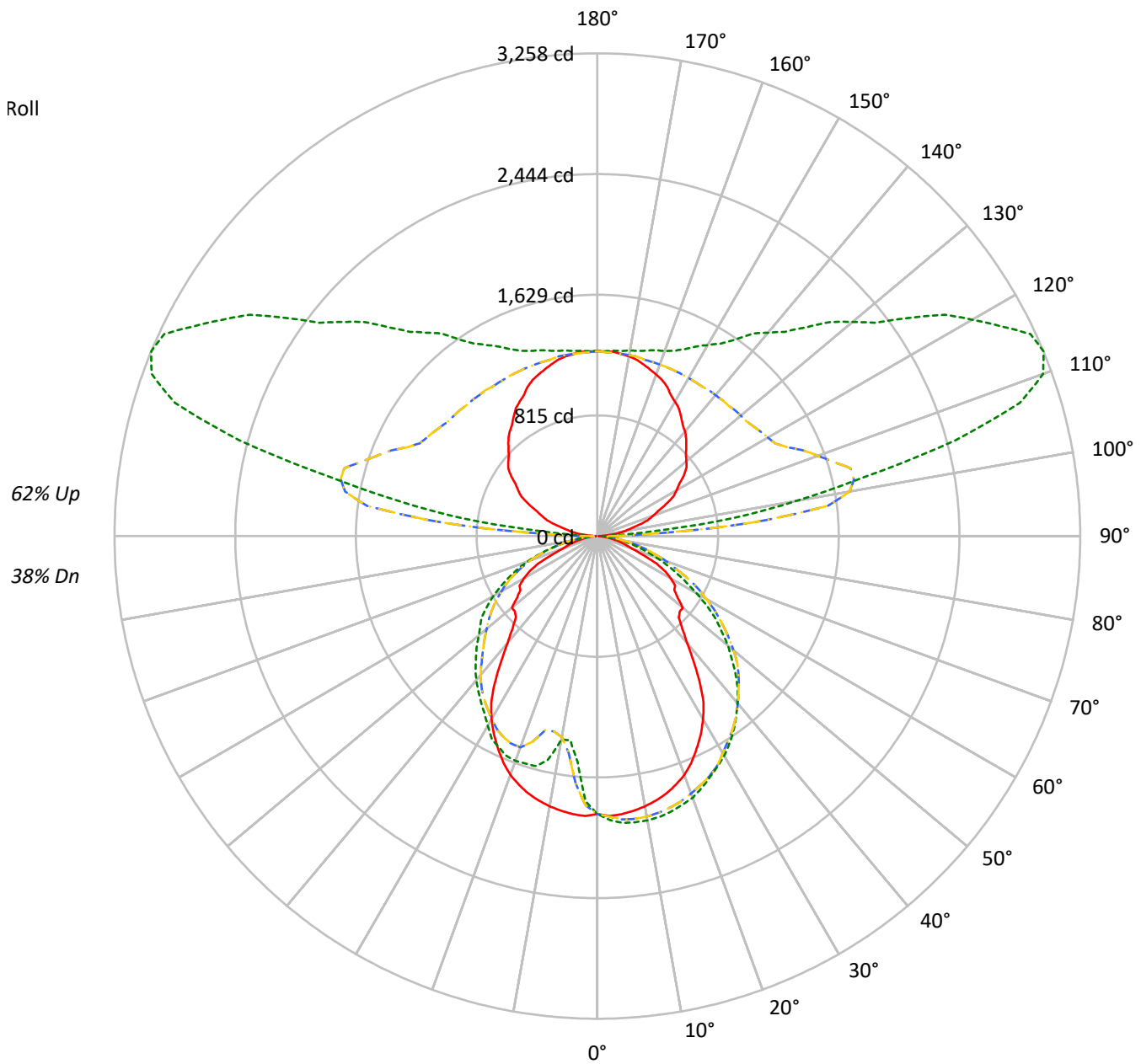
Test Method: LM-79-2019  
Report Number: P936062  
REPORT IS A COMBINATION OF REPORTS P933779 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12957.8 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 108.6  
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	0
RCR																		
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9

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

	0°	90°	180°	270°
0°	11601	11601	11601	11601
5°	11683	11710	11683	9208
10°	11601	11536	11601	8247
15°	11470	11286	11470	9424
20°	11227	10990	11227	9443
25°	10731	10558	10731	9244
30°	10093	10199	10093	8804
35°	8993	9746	8993	8321
40°	7489	9212	7489	7957
45°	6687	8587	6687	7536
50°	7098	7842	7098	7116
55°	6673	7039	6673	6872
60°	6870	5978	6870	6294
65°	6218	4941	6218	5524
70°	4296	3938	4296	4630
75°	3753	2911	3753	3487
80°	3001	1925	3001	2096
85°	1693	1020	1693	866

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10256 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.3	1.3
10°-20°	480.6	3.7
20°-30°	743.0	5.7
30°-40°	887.0	6.8
40°-50°	892.2	6.9
50°-60°	776.3	6.0
60°-70°	550.4	4.2
70°-80°	291.2	2.2
80°-90°	77.3	0.6
90°-100°	608.4	4.7
100°-110°	1599.4	12.3
110°-120°	1658.4	12.8
120°-130°	1330.3	10.3
130°-140°	1043.8	8.1
140°-150°	801.1	6.2
150°-160°	576.9	4.5
160°-170°	353.0	2.7
170°-180°	119.3	0.9
0°-30°	1392.9	10.7
0°-40°	2279.9	17.6
0°-60°	3948.3	30.5
0°-90°	4867.2	37.6
90°-120°	3866.2	29.8
90°-150°	7041.4	54.3
90°-180°	8091.0	62.4
0°-180°	12957.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1875	1875	1875	1875	1875	
5°	1884	1943	1884	1528	1884	179
15°	1799	1925	1799	1607	1799	506
25°	1584	1796	1584	1572	1584	727
35°	1205	1602	1205	1368	1205	745
45°	777	1320	777	1158	777	622
55°	633	974	633	951	633	582
65°	440	587	440	656	440	421
75°	167	278	167	334	167	175
85°	28	71	28	60	28	38
90°	8	32	8	32	8	8
95°	80	368	80	368	80	89
105°	288	2504	288	2504	288	305
115°	512	3225	512	3225	512	505
125°	712	2568	712	2568	712	632
135°	848	1993	848	1993	848	657
145°	984	1617	984	1617	984	617
155°	1112	1392	1112	1392	1112	511
165°	1200	1297	1200	1297	1200	339
175°	1248	1256	1248	1256	1248	118
180°	1248	1248	1248	1248	1248	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1891.3	1891.3	1902.0	1905.5	1905.5	1900.2	1894.8	1900.2	1916.1	1921.5	1919.7
5°	1884.2	1898.4	1917.9	1921.5	1925.0	1923.2	1919.7	1923.2	1940.9	1944.5	1946.3
7.5°	1870.0	1896.6	1921.5	1926.8	1932.1	1926.8	1925.0	1928.6	1946.3	1949.9	1949.9
10°	1852.3	1889.6	1917.9	1921.5	1926.8	1921.5	1921.5	1928.6	1946.3	1949.9	1951.6
12.5°	1827.4	1878.9	1905.5	1909.1	1916.1	1914.4	1912.6	1919.7	1937.5	1940.9	1940.9
15°	1799.0	1859.4	1884.2	1887.8	1900.2	1896.6	1896.6	1903.7	1923.2	1928.6	1926.8
17.5°	1760.0	1834.5	1863.0	1868.2	1877.1	1875.3	1877.1	1884.2	1902.0	1905.5	1907.3
20°	1715.7	1800.8	1834.5	1839.9	1848.7	1848.7	1848.7	1857.6	1875.3	1882.5	1882.5
22.5°	1655.3	1765.4	1800.8	1804.4	1815.1	1815.1	1818.6	1831.0	1846.9	1848.7	1848.7
25°	1584.3	1726.3	1756.5	1767.1	1777.7	1783.1	1788.4	1795.5	1800.8	1799.0	1800.8
27.5°	1509.9	1676.7	1715.7	1722.8	1737.0	1742.3	1749.4	1751.1	1752.9	1758.2	1754.7
30°	1426.5	1607.4	1666.0	1673.1	1696.2	1699.7	1692.6	1696.2	1705.0	1708.6	1712.1
32.5°	1332.4	1504.6	1614.5	1630.5	1651.8	1641.1	1639.4	1644.7	1658.9	1658.9	1662.4
35°	1204.7	1424.7	1566.6	1580.9	1596.8	1584.3	1591.5	1593.2	1602.1	1607.4	1605.7
37.5°	1064.5	1355.5	1516.9	1527.6	1540.0	1524.1	1534.7	1540.0	1547.1	1543.6	1543.6
40°	940.3	1247.3	1458.4	1465.5	1476.2	1463.7	1474.4	1477.9	1481.5	1477.9	1476.2
42.5°	848.0	1128.4	1396.3	1405.2	1398.1	1407.0	1410.5	1417.6	1412.3	1405.2	1405.2
45°	777.1	1096.5	1328.9	1339.6	1328.9	1343.1	1348.4	1348.4	1332.4	1328.9	1327.1
47.5°	754.0	1032.6	1261.5	1261.5	1256.1	1273.8	1282.7	1270.4	1254.3	1249.0	1249.0
50°	752.2	961.7	1169.2	1162.1	1186.9	1208.2	1199.4	1186.9	1174.6	1155.0	1155.0
52.5°	683.0	874.7	1050.3	1077.0	1116.0	1128.4	1114.2	1101.8	1080.5	1071.6	1064.5
55°	633.4	784.2	942.1	995.3	1036.1	1052.1	1025.5	1013.0	981.2	975.8	972.3
57.5°	622.8	653.0	842.8	910.2	959.9	958.1	942.1	919.0	892.4	887.1	885.4
60°	571.3	471.9	736.3	816.2	867.6	862.3	848.0	826.8	801.9	798.4	794.9
62.5°	518.0	342.5	615.6	706.1	778.9	777.1	764.7	732.7	715.0	706.1	699.1
65°	440.0	287.4	438.3	587.2	692.0	695.5	668.9	645.8	626.3	615.6	613.9
67.5°	335.3	234.2	296.3	489.6	608.5	605.1	571.3	560.6	535.8	530.5	519.8
70°	248.4	156.1	205.8	397.4	527.0	518.0	491.4	479.1	456.0	443.5	436.5
72.5°	205.8	126.0	150.8	308.7	443.5	432.9	409.9	395.6	376.1	365.5	358.4
75°	166.8	133.0	115.3	228.8	360.2	353.1	331.8	317.6	301.6	287.4	289.2
77.5°	122.4	124.2	92.2	168.6	285.6	275.0	262.6	244.9	237.7	223.6	223.6
80°	92.2	97.6	69.2	115.3	205.8	205.8	195.2	182.7	170.3	163.2	163.2
82.5°	62.1	62.1	51.5	72.7	140.2	134.8	127.8	124.2	117.1	113.5	113.5
85°	28.4	35.5	32.0	44.3	76.3	79.9	79.9	76.3	74.5	71.0	72.7
87.5°	8.9	15.9	19.5	24.8	39.0	40.8	42.6	42.6	42.6	44.3	44.3
90°	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4	31.9	31.9
92.5°	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6	159.2	152.8
95°	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4	540.2	521.1
97.5°	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2	1247.3	1210.7
100°	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7	1751.5	1708.1
102.5°	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7	2182.0	2144.7
105°	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1	2684.6	2664.5
107.5°	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9	2945.9	2950.8
110°	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6	3012.9	3033.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7	2970.2	3002.2
115°	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7	2825.2	2869.7
117.5°	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2	2625.1	2674.3
120°	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0	2490.2	2538.0
122.5°	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7	2355.4	2402.6
125°	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7	2177.0	2220.4
127.5°	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3	2033.7	2070.4
130°	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9	1943.3	1977.1
132.5°	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5	1866.2	1896.5
135°	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6	1757.3	1783.5
137.5°	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4	1676.9	1698.3
140°	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5	1612.5	1632.4
142.5°	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3	1567.2	1584.3
145°	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3	1499.4	1512.4
147.5°	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2	1442.3	1453.2
150°	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5	1409.7	1418.4
152.5°	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2	1383.7	1390.3
155°	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5	1352.7	1357.1
157.5°	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7	1326.0	1329.0
160°	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8	1312.5	1314.3
162.5°	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3	1300.0	1301.7
165°	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5	1280.7	1282.5
167.5°	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8	1272.3	1273.0
170°	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8	1272.3	1272.3
172.5°	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3	1265.6	1265.0
175°	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1	1256.4	1256.4
177.5°	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6	1254.8	1254.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1923.2	1917.9	1923.2	1919.7	1921.5	1916.1	1900.2	1894.8	1900.2	1905.5	1905.5
5°	1946.3	1942.7	1946.3	1946.3	1944.5	1940.9	1923.2	1919.7	1923.2	1925.0	1921.5
7.5°	1953.4	1948.1	1953.4	1949.9	1949.9	1946.3	1928.6	1925.0	1926.8	1932.1	1926.8
10°	1953.4	1948.1	1953.4	1951.6	1949.9	1946.3	1928.6	1921.5	1921.5	1926.8	1921.5
12.5°	1944.5	1940.9	1944.5	1940.9	1940.9	1937.5	1919.7	1912.6	1914.4	1916.1	1909.1
15°	1930.4	1925.0	1930.4	1926.8	1928.6	1923.2	1903.7	1896.6	1896.6	1900.2	1887.8
17.5°	1909.1	1902.0	1909.1	1907.3	1905.5	1902.0	1884.2	1877.1	1875.3	1877.1	1868.2
20°	1884.2	1878.9	1884.2	1882.5	1882.5	1875.3	1857.6	1848.7	1848.7	1848.7	1839.9
22.5°	1845.1	1839.9	1845.1	1848.7	1848.7	1846.9	1831.0	1818.6	1815.1	1815.1	1804.4
25°	1800.8	1795.5	1800.8	1800.8	1799.0	1800.8	1795.5	1788.4	1783.1	1777.7	1767.1
27.5°	1758.2	1754.7	1758.2	1754.7	1758.2	1752.9	1751.1	1749.4	1742.3	1737.0	1722.8
30°	1715.7	1712.1	1715.7	1712.1	1708.6	1705.0	1696.2	1692.6	1699.7	1696.2	1673.1
32.5°	1662.4	1658.9	1662.4	1662.4	1658.9	1658.9	1644.7	1639.4	1641.1	1651.8	1630.5
35°	1607.4	1602.1	1607.4	1605.7	1607.4	1602.1	1593.2	1591.5	1584.3	1596.8	1580.9
37.5°	1543.6	1538.2	1543.6	1543.6	1543.6	1547.1	1540.0	1534.7	1524.1	1540.0	1527.6
40°	1477.9	1470.8	1477.9	1476.2	1477.9	1481.5	1477.9	1474.4	1463.7	1476.2	1465.5
42.5°	1403.4	1401.6	1403.4	1405.2	1405.2	1412.3	1417.6	1410.5	1407.0	1398.1	1405.2
45°	1323.5	1320.0	1323.5	1327.1	1328.9	1332.4	1348.4	1348.4	1343.1	1328.9	1339.6
47.5°	1238.4	1229.5	1238.4	1249.0	1249.0	1254.3	1270.4	1282.7	1273.8	1256.1	1261.5
50°	1147.9	1149.7	1147.9	1155.0	1155.0	1174.6	1186.9	1199.4	1208.2	1186.9	1162.1
52.5°	1059.2	1057.5	1059.2	1064.5	1071.6	1080.5	1101.8	1114.2	1128.4	1116.0	1077.0
55°	970.5	974.0	970.5	972.3	975.8	981.2	1013.0	1025.5	1052.1	1036.1	995.3
57.5°	881.8	876.4	881.8	885.4	887.1	892.4	919.0	942.1	958.1	959.9	910.2
60°	778.9	771.8	778.9	794.9	798.4	801.9	826.8	848.0	862.3	867.6	816.2
62.5°	688.4	676.0	688.4	699.1	706.1	715.0	732.7	764.7	777.1	778.9	706.1
65°	592.6	587.2	592.6	613.9	615.6	626.3	645.8	668.9	695.5	692.0	587.2
67.5°	505.7	505.7	505.7	519.8	530.5	535.8	560.6	571.3	605.1	608.5	489.6
70°	425.8	424.0	425.8	436.5	443.5	456.0	479.1	491.4	518.0	527.0	397.4
72.5°	349.5	347.7	349.5	358.4	365.5	376.1	395.6	409.9	432.9	443.5	308.7
75°	282.1	278.5	282.1	289.2	287.4	301.6	317.6	331.8	353.1	360.2	228.8
77.5°	216.5	216.5	216.5	223.6	223.6	237.7	244.9	262.6	275.0	285.6	168.6
80°	161.4	159.7	161.4	163.2	163.2	170.3	182.7	195.2	205.8	205.8	115.3
82.5°	113.5	110.0	113.5	113.5	113.5	117.1	124.2	127.8	134.8	140.2	72.7
85°	71.0	71.0	71.0	72.7	71.0	74.5	76.3	79.9	79.9	76.3	44.3
87.5°	46.1	44.3	46.1	44.3	44.3	42.6	42.6	42.6	40.8	39.0	24.8
90°	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7	36.9	23.5
92.5°	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8	227.3	161.7
95°	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0	559.3	315.0
97.5°	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5	753.3	345.9
100°	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7	824.0	371.9
102.5°	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6	856.4	397.9
105°	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3	880.4	436.4
107.5°	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7	884.7	493.3
110°	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6	878.1	525.2





TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9	878.4	563.7
115°	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7	886.4	621.5
117.5°	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4	903.0	677.7
120°	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1	916.4	710.3
122.5°	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7	935.6	748.8
125°	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4	961.6	798.3
127.5°	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3	987.5	846.0
130°	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2	1006.6	877.9
132.5°	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4	1021.9	903.8
135°	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2	1038.7	934.0
137.5°	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5	1063.8	972.5
140°	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7	1079.1	998.5
142.5°	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0	1092.0	1017.7
145°	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0	1108.8	1047.1
147.5°	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2	1133.3	1083.9
150°	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5	1146.1	1103.1
152.5°	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3	1154.5	1115.7
155°	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4	1172.9	1143.3
157.5°	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5	1191.4	1171.0
160°	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3	1199.7	1183.5
162.5°	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3	1208.7	1196.9
165°	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5	1221.5	1216.2
167.5°	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6	1231.6	1227.1
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4	1239.9	1239.6
172.5°	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2	1245.6	1248.1
177.5°	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5	1246.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1902.0	1891.3	1891.3	1873.5	1866.5	1861.2	1852.3	1825.6	1818.6	1811.5	1822.1
5°	1917.9	1898.4	1884.2	1852.3	1825.6	1815.1	1781.3	1717.5	1674.9	1642.9	1625.2
7.5°	1921.5	1896.6	1870.0	1820.3	1756.5	1728.0	1625.2	1508.1	1476.2	1447.7	1430.0
10°	1917.9	1889.6	1852.3	1777.7	1627.0	1577.3	1474.4	1398.1	1378.6	1373.2	1378.6
12.5°	1905.5	1878.9	1827.4	1703.2	1492.1	1458.4	1398.1	1353.7	1350.2	1359.1	1407.0
15°	1884.2	1859.4	1799.0	1603.9	1417.6	1392.7	1350.2	1334.2	1353.7	1415.8	1559.5
17.5°	1863.0	1834.5	1760.0	1506.3	1360.8	1343.1	1312.9	1344.8	1454.9	1538.2	1586.1
20°	1834.5	1800.8	1715.7	1435.4	1320.0	1304.0	1289.9	1433.6	1516.9	1547.1	1573.7
22.5°	1800.8	1765.4	1655.3	1385.7	1277.4	1265.0	1273.8	1483.3	1516.9	1538.2	1561.3
25°	1756.5	1726.3	1584.3	1346.6	1243.8	1229.5	1263.3	1477.9	1497.4	1502.8	1548.9
27.5°	1715.7	1676.7	1509.9	1311.2	1202.9	1197.6	1272.1	1454.9	1469.0	1474.4	1524.1
30°	1666.0	1607.4	1426.5	1273.8	1160.3	1158.5	1273.8	1426.5	1422.9	1437.2	1486.8
32.5°	1614.5	1504.6	1332.4	1227.7	1119.5	1117.8	1261.5	1383.9	1380.3	1399.8	1437.2
35°	1566.6	1424.7	1204.7	1174.6	1068.1	1069.8	1231.3	1334.2	1336.0	1353.7	1376.8
37.5°	1516.9	1355.5	1064.5	1116.0	1018.4	1018.4	1190.5	1288.1	1284.5	1289.9	1321.7
40°	1458.4	1247.3	940.3	1039.7	972.3	966.9	1140.8	1238.4	1226.0	1224.2	1268.6
42.5°	1396.3	1128.4	848.0	938.6	919.0	912.0	1080.5	1178.1	1155.0	1160.3	1217.1
45°	1328.9	1096.5	777.1	793.1	864.1	858.7	1014.8	1108.8	1092.9	1107.1	1165.7
47.5°	1261.5	1032.6	754.0	658.2	805.5	803.7	942.1	1041.4	1032.6	1046.8	1108.8
50°	1169.2	961.7	752.2	564.2	739.9	747.0	855.2	975.8	975.8	988.2	1053.9
52.5°	1050.3	874.7	683.0	511.0	663.5	684.8	778.9	919.0	922.6	935.0	993.5
55°	942.1	784.2	633.4	470.1	573.1	619.2	704.3	860.5	867.6	880.0	933.3
57.5°	842.8	653.0	622.8	422.2	489.6	534.1	638.7	803.7	807.3	818.0	869.3
60°	736.3	471.9	571.3	370.8	416.9	450.6	578.4	736.3	748.7	755.8	800.1
62.5°	615.6	342.5	518.0	335.3	381.5	388.6	528.7	672.5	688.4	693.7	720.4
65°	438.3	287.4	440.0	305.1	344.2	345.9	475.5	606.8	621.0	629.9	649.4
67.5°	296.3	234.2	335.3	276.7	315.8	317.6	424.0	530.5	550.0	557.1	569.5
70°	205.8	156.1	248.4	246.7	283.9	287.4	369.0	461.3	479.1	484.4	491.4
72.5°	150.8	126.0	205.8	221.8	250.2	253.7	312.3	383.2	401.0	406.3	409.9
75°	115.3	133.0	166.8	193.4	212.9	214.7	255.5	312.3	324.6	328.2	330.0
77.5°	92.2	124.2	122.4	156.1	173.9	170.3	200.5	241.3	251.9	251.9	251.9
80°	69.2	97.6	92.2	111.7	127.8	124.2	143.7	172.1	175.7	179.2	177.5
82.5°	51.5	62.1	62.1	71.0	85.1	81.7	95.8	111.7	111.7	111.7	115.3
85°	32.0	35.5	28.4	37.2	47.9	46.1	53.3	60.3	62.1	62.1	58.6
87.5°	19.5	15.9	8.9	14.2	21.3	21.3	24.8	26.6	24.8	24.8	24.8
90°	21.8	15.1	8.4	15.1	21.8	23.5	36.9	54.7	63.7	56.6	42.4
92.5°	147.5	90.4	33.5	90.4	147.5	161.7	227.3	314.8	358.5	314.2	225.6
95°	288.9	184.6	80.4	184.6	288.9	315.0	559.3	885.0	1047.9	935.1	709.4
97.5°	322.9	231.0	139.0	231.0	322.9	345.9	753.3	1296.5	1568.0	1496.8	1354.2
100°	351.1	267.7	184.3	267.7	351.1	371.9	824.0	1426.7	1728.0	1733.2	1743.7
102.5°	378.4	300.6	222.8	300.6	378.4	397.9	856.4	1467.6	1773.3	1864.0	2045.7
105°	419.9	354.0	288.1	354.0	419.9	436.4	880.4	1472.3	1768.2	1971.8	2379.1
107.5°	478.0	416.6	355.2	416.6	478.0	493.3	884.7	1406.7	1667.7	1951.8	2519.9
110°	511.3	455.9	400.4	455.9	511.3	525.2	878.1	1348.6	1583.9	1901.5	2536.6



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	550.4	497.6	444.8	497.6	550.4	563.7	878.4	1297.9	1507.7	1832.7	2482.7
115°	609.3	560.6	511.8	560.6	609.3	621.5	886.4	1239.7	1416.4	1729.5	2355.7
117.5°	666.6	622.2	577.9	622.2	666.6	677.7	903.0	1203.4	1353.6	1636.2	2201.2
120°	700.0	658.2	616.5	658.2	700.0	710.3	916.4	1191.1	1328.5	1586.7	2103.0
122.5°	738.4	696.3	654.2	696.3	738.4	748.8	935.6	1184.7	1309.2	1541.7	2006.7
125°	788.7	750.3	712.0	750.3	788.7	798.3	961.6	1179.4	1288.3	1485.8	1880.7
127.5°	836.3	797.5	758.9	797.5	836.3	846.0	987.5	1176.3	1270.6	1440.2	1779.3
130°	867.5	825.7	784.0	825.7	867.5	877.9	1006.6	1178.2	1264.0	1415.0	1716.9
132.5°	893.4	851.7	810.0	851.7	893.4	903.8	1021.9	1179.4	1258.1	1393.2	1663.5
135°	924.5	886.4	848.5	886.4	924.5	934.0	1038.7	1178.2	1248.1	1361.2	1587.6
137.5°	963.1	925.5	887.9	925.5	963.1	972.5	1063.8	1185.5	1246.4	1342.1	1533.4
140°	989.8	955.2	920.6	955.2	989.8	998.5	1079.1	1186.7	1240.5	1323.2	1488.5
142.5°	1009.7	977.7	945.6	977.7	1009.7	1017.7	1092.0	1191.0	1240.5	1313.2	1458.3
145°	1040.1	1012.2	984.2	1012.2	1040.1	1047.1	1108.8	1191.0	1232.1	1291.5	1410.3
147.5°	1077.1	1049.9	1022.7	1049.9	1077.1	1083.9	1133.3	1199.2	1232.1	1278.9	1372.2
150°	1096.9	1072.4	1047.9	1072.4	1096.9	1103.1	1146.1	1203.5	1232.1	1271.6	1350.5
152.5°	1111.1	1092.5	1073.8	1092.5	1111.1	1115.7	1154.5	1206.3	1232.1	1265.8	1333.2
155°	1139.9	1126.1	1112.3	1126.1	1139.9	1143.3	1172.9	1212.4	1232.1	1258.9	1312.5
157.5°	1167.7	1154.2	1140.8	1154.2	1167.7	1171.0	1191.4	1218.5	1232.1	1253.0	1294.7
160°	1180.9	1170.5	1160.1	1170.5	1180.9	1183.5	1199.7	1221.3	1232.1	1250.0	1285.8
162.5°	1195.0	1187.2	1179.4	1187.2	1195.0	1196.9	1208.7	1224.3	1232.1	1247.2	1277.3
165°	1214.4	1207.4	1200.3	1207.4	1214.4	1216.2	1221.5	1228.5	1232.1	1243.0	1264.5
167.5°	1226.3	1222.9	1219.6	1222.9	1226.3	1227.1	1231.6	1237.6	1240.5	1247.6	1261.8
170°	1238.8	1235.4	1232.1	1235.4	1238.8	1239.6	1239.9	1240.4	1240.5	1247.6	1261.8
172.5°	1240.4	1239.6	1238.8	1239.6	1240.4	1240.5	1240.5	1240.5	1240.5	1246.1	1257.3
175°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1245.6	1242.2	1240.5	1244.0	1251.1
177.5°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1246.1	1243.5	1242.2	1244.9	1250.6
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1809.7	1804.4	1811.5	1792.0	1811.5	1804.4	1809.7	1822.1	1811.5	1818.6	1825.6
5°	1587.9	1579.1	1550.7	1527.6	1550.7	1579.1	1587.9	1625.2	1642.9	1674.9	1717.5
7.5°	1419.3	1412.3	1405.2	1391.0	1405.2	1412.3	1419.3	1430.0	1447.7	1476.2	1508.1
10°	1382.1	1383.9	1394.5	1392.7	1394.5	1383.9	1382.1	1378.6	1373.2	1378.6	1398.1
12.5°	1477.9	1493.9	1552.5	1548.9	1552.5	1493.9	1477.9	1407.0	1359.1	1350.2	1353.7
15°	1587.9	1593.2	1605.7	1607.4	1605.7	1593.2	1587.9	1559.5	1415.8	1353.7	1334.2
17.5°	1598.6	1600.4	1609.2	1609.2	1609.2	1600.4	1598.6	1586.1	1538.2	1454.9	1344.8
20°	1589.7	1593.2	1611.0	1614.5	1611.0	1593.2	1589.7	1573.7	1547.1	1516.9	1433.6
22.5°	1586.1	1593.2	1607.4	1605.7	1607.4	1593.2	1586.1	1561.3	1538.2	1516.9	1483.3
25°	1568.4	1568.4	1570.2	1572.0	1570.2	1568.4	1568.4	1548.9	1502.8	1497.4	1477.9
27.5°	1531.2	1534.7	1545.3	1543.6	1545.3	1534.7	1531.2	1524.1	1474.4	1469.0	1454.9
30°	1497.4	1493.9	1485.1	1477.9	1485.1	1493.9	1497.4	1486.8	1437.2	1422.9	1426.5
32.5°	1440.6	1431.8	1422.9	1417.6	1422.9	1431.8	1440.6	1437.2	1399.8	1380.3	1383.9
35°	1373.2	1375.0	1373.2	1367.9	1373.2	1375.0	1373.2	1376.8	1353.7	1336.0	1334.2
37.5°	1325.3	1328.9	1327.1	1320.0	1327.1	1328.9	1325.3	1321.7	1289.9	1284.5	1288.1
40°	1275.6	1277.4	1275.6	1270.4	1275.6	1277.4	1275.6	1268.6	1224.2	1226.0	1238.4
42.5°	1227.7	1226.0	1220.7	1217.1	1220.7	1226.0	1227.7	1217.1	1160.3	1155.0	1178.1
45°	1172.8	1174.6	1163.9	1158.5	1163.9	1174.6	1172.8	1165.7	1107.1	1092.9	1108.8
47.5°	1117.8	1117.8	1108.8	1103.6	1108.8	1117.8	1117.8	1108.8	1046.8	1032.6	1041.4
50°	1059.2	1057.5	1045.0	1043.2	1045.0	1057.5	1059.2	1053.9	988.2	975.8	975.8
52.5°	991.8	991.8	993.5	997.1	993.5	991.8	991.8	993.5	935.0	922.6	919.0
55°	933.3	935.0	947.4	951.0	947.4	935.0	933.3	933.3	880.0	867.6	860.5
57.5°	872.9	872.9	881.8	881.8	881.8	872.9	872.9	869.3	818.0	807.3	803.7
60°	803.7	807.3	814.4	812.6	814.4	807.3	803.7	800.1	755.8	748.7	736.3
62.5°	730.9	734.5	736.3	732.7	736.3	734.5	730.9	720.4	693.7	688.4	672.5
65°	654.7	658.2	660.0	656.4	660.0	658.2	654.7	649.4	629.9	621.0	606.8
67.5°	576.6	574.9	573.1	580.2	573.1	574.9	576.6	569.5	557.1	550.0	530.5
70°	496.8	496.8	495.0	498.5	495.0	496.8	496.8	491.4	484.4	479.1	461.3
72.5°	411.6	409.9	416.9	411.6	416.9	409.9	411.6	409.9	406.3	401.0	383.2
75°	328.2	331.8	328.2	333.6	328.2	331.8	328.2	330.0	328.2	324.6	312.3
77.5°	250.2	253.7	250.2	250.2	250.2	253.7	250.2	251.9	251.9	251.9	241.3
80°	177.5	175.7	175.7	173.9	175.7	175.7	177.5	177.5	179.2	175.7	172.1
82.5°	113.5	111.7	111.7	115.3	111.7	111.7	113.5	115.3	111.7	111.7	111.7
85°	62.1	63.8	60.3	60.3	60.3	63.8	62.1	58.6	62.1	62.1	60.3
87.5°	23.1	21.3	21.3	21.3	21.3	21.3	23.1	24.8	24.8	24.8	26.6
90°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	42.4	56.6	63.7	54.7
92.5°	159.2	152.8	127.5	102.2	127.5	152.8	159.2	225.6	314.2	358.5	314.8
95°	540.2	521.1	444.3	367.7	444.3	521.1	540.2	709.4	935.1	1047.9	885.0
97.5°	1247.3	1210.7	1064.8	918.9	1064.8	1210.7	1247.3	1354.2	1496.8	1568.0	1296.5
100°	1751.5	1708.1	1534.2	1360.3	1534.2	1708.1	1751.5	1743.7	1733.2	1728.0	1426.7
102.5°	2182.0	2144.7	1995.8	1846.9	1995.8	2144.7	2182.0	2045.7	1864.0	1773.3	1467.6
105°	2684.6	2664.5	2584.5	2504.5	2584.5	2664.5	2684.6	2379.1	1971.8	1768.2	1472.3
107.5°	2945.9	2950.8	2970.1	2989.4	2970.1	2950.8	2945.9	2519.9	1951.8	1667.7	1406.7
110°	3012.9	3033.8	3117.1	3200.6	3117.1	3033.8	3012.9	2536.6	1901.5	1583.9	1348.6



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2970.2	3002.2	3130.3	3258.3	3130.3	3002.2	2970.2	2482.7	1832.7	1507.7	1297.9
115°	2825.2	2869.7	3047.2	3224.8	3047.2	2869.7	2825.2	2355.7	1729.5	1416.4	1239.7
117.5°	2625.1	2674.3	2871.3	3068.2	2871.3	2674.3	2625.1	2201.2	1636.2	1353.6	1203.4
120°	2490.2	2538.0	2729.4	2920.8	2729.4	2538.0	2490.2	2103.0	1586.7	1328.5	1191.1
122.5°	2355.4	2402.6	2591.3	2780.0	2591.3	2402.6	2355.4	2006.7	1541.7	1309.2	1184.7
125°	2177.0	2220.4	2394.2	2568.1	2394.2	2220.4	2177.0	1880.7	1485.8	1288.3	1179.4
127.5°	2033.7	2070.4	2217.1	2363.8	2217.1	2070.4	2033.7	1779.3	1440.2	1270.6	1176.3
130°	1943.3	1977.1	2112.7	2248.1	2112.7	1977.1	1943.3	1716.9	1415.0	1264.0	1178.2
132.5°	1866.2	1896.5	2017.9	2139.3	2017.9	1896.5	1866.2	1663.5	1393.2	1258.1	1179.4
135°	1757.3	1783.5	1888.1	1992.7	1888.1	1783.5	1757.3	1587.6	1361.2	1248.1	1178.2
137.5°	1676.9	1698.3	1784.0	1869.6	1784.0	1698.3	1676.9	1533.4	1342.1	1246.4	1185.5
140°	1612.5	1632.4	1712.5	1792.5	1712.5	1632.4	1612.5	1488.5	1323.2	1240.5	1186.7
142.5°	1567.2	1584.3	1653.3	1722.1	1653.3	1584.3	1567.2	1458.3	1313.2	1240.5	1191.0
145°	1499.4	1512.4	1564.5	1616.6	1564.5	1512.4	1499.4	1410.3	1291.5	1232.1	1191.0
147.5°	1442.3	1453.2	1496.3	1539.6	1496.3	1453.2	1442.3	1372.2	1278.9	1232.1	1199.2
150°	1409.7	1418.4	1453.4	1488.5	1453.4	1418.4	1409.7	1350.5	1271.6	1232.1	1203.5
152.5°	1383.7	1390.3	1416.7	1443.2	1416.7	1390.3	1383.7	1333.2	1265.8	1232.1	1206.3
155°	1352.7	1357.1	1374.6	1392.1	1374.6	1357.1	1352.7	1312.5	1258.9	1232.1	1212.4
157.5°	1326.0	1329.0	1341.4	1353.6	1341.4	1329.0	1326.0	1294.7	1253.0	1232.1	1218.5
160°	1312.5	1314.3	1321.4	1328.5	1321.4	1314.3	1312.5	1285.8	1250.0	1232.1	1221.3
162.5°	1300.0	1301.7	1308.3	1315.0	1308.3	1301.7	1300.0	1277.3	1247.2	1232.1	1224.3
165°	1280.7	1282.5	1289.5	1296.6	1289.5	1282.5	1280.7	1264.5	1243.0	1232.1	1228.5
167.5°	1272.3	1273.0	1276.1	1279.0	1276.1	1273.0	1272.3	1261.8	1247.6	1240.5	1237.6
170°	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1272.3	1261.8	1247.6	1240.5	1240.4
172.5°	1265.6	1265.0	1262.4	1259.8	1262.4	1265.0	1265.6	1257.3	1246.1	1240.5	1240.5
175°	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1256.4	1251.1	1244.0	1240.5	1242.2
177.5°	1254.8	1254.1	1251.0	1248.1	1251.0	1254.1	1254.8	1250.6	1244.9	1242.2	1243.5
180°	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1852.3	1861.2	1866.5	1873.5	1891.3
5°	1781.3	1815.1	1825.6	1852.3	1884.2
7.5°	1625.2	1728.0	1756.5	1820.3	1870.0
10°	1474.4	1577.3	1627.0	1777.7	1852.3
12.5°	1398.1	1458.4	1492.1	1703.2	1827.4
15°	1350.2	1392.7	1417.6	1603.9	1799.0
17.5°	1312.9	1343.1	1360.8	1506.3	1760.0
20°	1289.9	1304.0	1320.0	1435.4	1715.7
22.5°	1273.8	1265.0	1277.4	1385.7	1655.3
25°	1263.3	1229.5	1243.8	1346.6	1584.3
27.5°	1272.1	1197.6	1202.9	1311.2	1509.9
30°	1273.8	1158.5	1160.3	1273.8	1426.5
32.5°	1261.5	1117.8	1119.5	1227.7	1332.4
35°	1231.3	1069.8	1068.1	1174.6	1204.7
37.5°	1190.5	1018.4	1018.4	1116.0	1064.5
40°	1140.8	966.9	972.3	1039.7	940.3
42.5°	1080.5	912.0	919.0	938.6	848.0
45°	1014.8	858.7	864.1	793.1	777.1
47.5°	942.1	803.7	805.5	658.2	754.0
50°	855.2	747.0	739.9	564.2	752.2
52.5°	778.9	684.8	663.5	511.0	683.0
55°	704.3	619.2	573.1	470.1	633.4
57.5°	638.7	534.1	489.6	422.2	622.8
60°	578.4	450.6	416.9	370.8	571.3
62.5°	528.7	388.6	381.5	335.3	518.0
65°	475.5	345.9	344.2	305.1	440.0
67.5°	424.0	317.6	315.8	276.7	335.3
70°	369.0	287.4	283.9	246.7	248.4
72.5°	312.3	253.7	250.2	221.8	205.8
75°	255.5	214.7	212.9	193.4	166.8
77.5°	200.5	170.3	173.9	156.1	122.4
80°	143.7	124.2	127.8	111.7	92.2
82.5°	95.8	81.7	85.1	71.0	62.1
85°	53.3	46.1	47.9	37.2	28.4
87.5°	24.8	21.3	21.3	14.2	8.9
90°	36.9	23.5	21.8	15.1	8.4
92.5°	227.3	161.7	147.5	90.4	33.5
95°	559.3	315.0	288.9	184.6	80.4
97.5°	753.3	345.9	322.9	231.0	139.0
100°	824.0	371.9	351.1	267.7	184.3
102.5°	856.4	397.9	378.4	300.6	222.8
105°	880.4	436.4	419.9	354.0	288.1
107.5°	884.7	493.3	478.0	416.6	355.2
110°	878.1	525.2	511.3	455.9	400.4



TEST NUMBER: P936062

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	878.4	563.7	550.4	497.6	444.8
115°	886.4	621.5	609.3	560.6	511.8
117.5°	903.0	677.7	666.6	622.2	577.9
120°	916.4	710.3	700.0	658.2	616.5
122.5°	935.6	748.8	738.4	696.3	654.2
125°	961.6	798.3	788.7	750.3	712.0
127.5°	987.5	846.0	836.3	797.5	758.9
130°	1006.6	877.9	867.5	825.7	784.0
132.5°	1021.9	903.8	893.4	851.7	810.0
135°	1038.7	934.0	924.5	886.4	848.5
137.5°	1063.8	972.5	963.1	925.5	887.9
140°	1079.1	998.5	989.8	955.2	920.6
142.5°	1092.0	1017.7	1009.7	977.7	945.6
145°	1108.8	1047.1	1040.1	1012.2	984.2
147.5°	1133.3	1083.9	1077.1	1049.9	1022.7
150°	1146.1	1103.1	1096.9	1072.4	1047.9
152.5°	1154.5	1115.7	1111.1	1092.5	1073.8
155°	1172.9	1143.3	1139.9	1126.1	1112.3
157.5°	1191.4	1171.0	1167.7	1154.2	1140.8
160°	1199.7	1183.5	1180.9	1170.5	1160.1
162.5°	1208.7	1196.9	1195.0	1187.2	1179.4
165°	1221.5	1216.2	1214.4	1207.4	1200.3
167.5°	1231.6	1227.1	1226.3	1222.9	1219.6
170°	1239.9	1239.6	1238.8	1235.4	1232.1
172.5°	1240.5	1240.5	1240.4	1239.6	1238.8
175°	1245.6	1248.1	1248.1	1248.1	1248.1
177.5°	1246.1	1248.1	1248.1	1248.1	1248.1
180°	1248.1	1248.1	1248.1	1248.1	1248.1



TEST NUMBER: P936062  
 CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3500K

**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	12.05	12.81	13.10	13.87	15.30	14.87	15.63	15.93	16.69	18.13
	3H	12.52	13.20	13.58	14.26	15.72	16.21	16.89	17.27	17.96	19.41
	4H	12.70	13.35	13.78	14.42	15.88	16.64	17.29	17.72	18.36	19.82
	6H	12.82	13.41	13.90	14.48	15.96	16.92	17.52	18.01	18.59	20.07
	8H	12.81	13.38	13.90	14.47	15.94	16.99	17.56	18.09	18.65	20.12
	12H	12.78	13.32	13.88	14.40	15.90	17.03	17.56	18.12	18.65	20.14
4H	2H	13.06	13.71	14.15	14.78	16.24	15.27	15.91	16.35	16.98	18.45
	3H	14.08	14.62	15.17	15.72	17.19	16.76	17.30	17.85	18.40	19.87
	4H	14.35	14.85	15.45	15.94	17.43	17.28	17.78	18.38	18.87	20.36
	6H	14.47	14.90	15.58	16.01	17.50	17.64	18.07	18.75	19.18	20.67
	8H	14.48	14.87	15.58	15.98	17.48	17.75	18.14	18.85	19.24	20.75
	12H	14.44	14.80	15.56	15.91	17.42	17.80	18.15	18.92	19.27	20.78
8H	4H	14.80	15.19	15.90	16.30	17.80	17.40	17.80	18.51	18.90	20.41
	6H	15.06	15.38	16.18	16.53	18.03	17.83	18.16	18.96	19.30	20.81
	8H	15.10	15.38	16.23	16.51	18.03	17.98	18.27	19.11	19.39	20.92
	12H	15.08	15.33	16.21	16.45	18.01	18.07	18.33	19.21	19.45	21.01
12H	4H	14.80	15.16	15.92	16.27	17.79	17.36	17.72	18.48	18.83	20.35
	6H	15.12	15.40	16.25	16.53	18.05	17.83	18.11	18.96	19.24	20.76
	8H	15.18	15.43	16.31	16.55	18.11	17.98	18.23	19.12	19.36	20.92