

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: P936061

Luminaire Tested: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936061
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-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

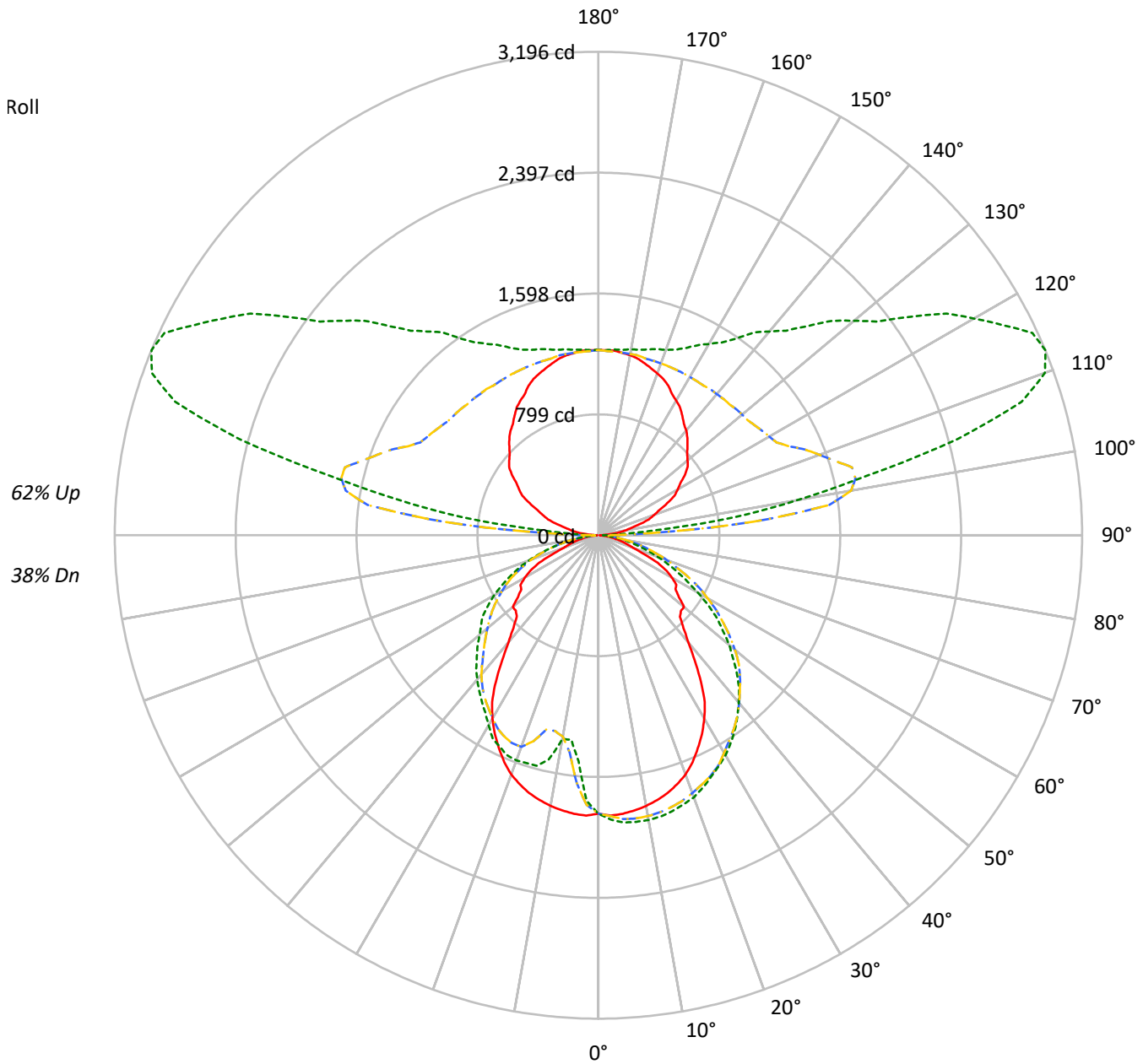
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12711.7 lumens
Efficiency: N/A
Efficacy: 117.1 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

TEST NUMBER: P936061
CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

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°	11381	11381	11381	11381
5°	11461	11488	11461	9033
10°	11381	11317	11381	8091
15°	11253	11071	11253	9245
20°	11013	10781	11013	9264
25°	10527	10357	10527	9068
30°	9901	10006	9901	8637
35°	8822	9560	8822	8164
40°	7347	9037	7347	7805
45°	6561	8424	6561	7393
50°	6963	7693	6963	6981
55°	6546	6905	6546	6742
60°	6739	5864	6739	6174
65°	6101	4848	6101	5419
70°	4213	3864	4213	4542
75°	3681	2855	3681	3421
80°	2946	1889	2946	2056
85°	1657	1000	1657	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10061 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.3
10°-20°	471.5	3.7
20°-30°	728.9	5.7
30°-40°	870.1	6.8
40°-50°	875.2	6.9
50°-60°	761.5	6.0
60°-70°	539.9	4.2
70°-80°	285.7	2.2
80°-90°	75.8	0.6
90°-100°	596.8	4.7
100°-110°	1569.0	12.3
110°-120°	1626.9	12.8
120°-130°	1305.0	10.3
130°-140°	1024.0	8.1
140°-150°	785.9	6.2
150°-160°	566.0	4.5
160°-170°	346.3	2.7
170°-180°	117.0	0.9
0°-30°	1366.4	10.7
0°-40°	2236.5	17.6
0°-60°	3873.3	30.5
0°-90°	4774.7	37.6
90°-120°	3792.8	29.8
90°-150°	6907.6	54.3
90°-180°	7937.0	62.4
0°-180°	12711.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1840	1840	1840	1840	1840	
5°	1848	1906	1848	1499	1848	175
15°	1765	1888	1765	1577	1765	497
25°	1554	1761	1554	1542	1554	714
35°	1182	1572	1182	1342	1182	731
45°	762	1295	762	1136	762	611
55°	621	956	621	933	621	571
65°	432	576	432	644	432	413
75°	164	273	164	327	164	172
85°	28	70	28	59	28	38
90°	8	31	8	31	8	8
95°	79	361	79	361	79	88
105°	283	2457	283	2457	283	300
115°	502	3164	502	3164	502	496
125°	698	2519	698	2519	698	620
135°	832	1955	832	1955	832	644
145°	966	1586	966	1586	966	605
155°	1091	1366	1091	1366	1091	501
165°	1178	1272	1178	1272	1178	332
175°	1224	1232	1224	1232	1224	116
180°	1224	1224	1224	1224	1224	



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CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1855.4	1855.4	1865.9	1869.3	1869.3	1864.1	1858.8	1864.1	1879.7	1885.0	1883.3
5°	1848.4	1862.3	1881.5	1885.0	1888.4	1886.7	1883.3	1886.7	1904.1	1907.6	1909.3
7.5°	1834.5	1860.6	1885.0	1890.2	1895.4	1890.2	1888.4	1891.9	1909.3	1912.9	1912.9
10°	1817.1	1853.7	1881.5	1885.0	1890.2	1885.0	1885.0	1891.9	1909.3	1912.9	1914.5
12.5°	1792.7	1843.2	1869.3	1872.8	1879.7	1878.0	1876.2	1883.3	1900.6	1904.1	1904.1
15°	1764.9	1824.1	1848.4	1851.9	1864.1	1860.6	1860.6	1867.5	1886.7	1891.9	1890.2
17.5°	1726.6	1799.6	1827.6	1832.8	1841.4	1839.7	1841.4	1848.4	1865.9	1869.3	1871.0
20°	1683.1	1766.6	1799.6	1804.9	1813.6	1813.6	1813.6	1822.3	1839.7	1846.7	1846.7
22.5°	1623.9	1731.8	1766.6	1770.1	1780.6	1780.6	1784.0	1796.2	1811.8	1813.6	1813.6
25°	1554.2	1693.5	1723.1	1733.5	1744.0	1749.2	1754.4	1761.4	1766.6	1764.9	1766.6
27.5°	1481.2	1644.8	1683.1	1690.0	1704.0	1709.2	1716.1	1717.9	1719.6	1724.8	1721.4
30°	1399.4	1576.9	1634.3	1641.3	1663.9	1667.4	1660.4	1663.9	1672.6	1676.1	1679.6
32.5°	1307.1	1476.0	1583.8	1599.6	1620.4	1609.9	1608.3	1613.4	1627.4	1627.4	1630.8
35°	1181.8	1397.6	1536.9	1550.8	1566.4	1554.2	1561.3	1562.9	1571.6	1576.9	1575.1
37.5°	1044.3	1329.7	1488.1	1498.6	1510.8	1495.1	1505.5	1510.8	1517.7	1514.3	1514.3
40°	922.5	1223.6	1430.7	1437.7	1448.1	1435.9	1446.4	1449.8	1453.3	1449.8	1448.1
42.5°	831.9	1106.9	1369.8	1378.5	1371.6	1380.3	1383.7	1390.7	1385.4	1378.5	1378.5
45°	762.4	1075.7	1303.7	1314.1	1303.7	1317.5	1322.8	1322.8	1307.1	1303.7	1301.9
47.5°	739.7	1012.9	1237.5	1237.5	1232.3	1249.6	1258.3	1246.2	1230.5	1225.3	1225.3
50°	737.9	943.4	1147.0	1140.0	1164.4	1185.3	1176.6	1164.4	1152.2	1133.1	1133.1
52.5°	670.1	858.1	1030.3	1056.5	1094.8	1106.9	1093.0	1080.8	1059.9	1051.2	1044.3
55°	621.4	769.3	924.2	976.4	1016.5	1032.1	1006.0	993.8	962.5	957.3	953.8
57.5°	610.9	640.5	826.7	892.9	941.6	939.9	924.2	901.6	875.5	870.2	868.6
60°	560.4	463.0	722.3	800.7	851.1	845.9	831.9	811.1	786.7	783.3	779.8
62.5°	508.2	336.0	603.9	692.7	764.1	762.4	750.2	718.8	701.4	692.7	685.8
65°	431.7	281.9	429.9	576.1	678.8	682.3	656.2	633.5	614.4	603.9	602.3
67.5°	328.9	229.8	290.6	480.3	597.0	593.6	560.4	550.0	525.7	520.4	509.9
70°	243.6	153.2	201.9	389.9	517.0	508.2	482.1	470.0	447.3	435.1	428.2
72.5°	201.9	123.6	147.9	302.8	435.1	424.7	402.1	388.1	369.0	358.5	351.6
75°	163.6	130.5	113.1	224.5	353.3	346.4	325.5	311.5	295.9	281.9	283.7
77.5°	120.1	121.8	90.5	165.4	280.2	269.8	257.6	240.2	233.2	219.3	219.3
80°	90.5	95.7	67.9	113.1	201.9	201.9	191.5	179.3	167.1	160.1	160.1
82.5°	61.0	61.0	50.5	71.3	137.5	132.3	125.3	121.8	114.9	111.4	111.4
85°	27.8	34.8	31.4	43.5	74.8	78.3	78.3	74.8	73.1	69.6	71.3
87.5°	8.7	15.6	19.1	24.3	38.3	40.1	41.8	41.8	41.8	43.5	43.5
90°	8.3	14.8	21.3	23.0	36.2	53.7	62.4	55.5	41.6	31.3	31.3
92.5°	32.8	88.7	144.7	158.6	223.0	308.8	351.7	308.2	221.3	156.2	149.9
95°	78.9	181.1	283.4	309.0	548.7	868.2	1028.0	917.3	696.0	530.0	511.2
97.5°	136.4	226.6	316.8	339.4	739.0	1271.9	1538.3	1468.3	1328.4	1223.6	1187.7
100°	180.8	262.6	344.4	364.8	808.3	1399.6	1695.2	1700.3	1710.6	1718.2	1675.6
102.5°	218.6	294.9	371.3	390.3	840.1	1439.7	1739.6	1828.6	2006.8	2140.5	2104.0
105°	282.6	347.3	411.9	428.1	863.6	1444.3	1734.6	1934.4	2333.9	2633.6	2613.9
107.5°	348.4	408.7	468.9	483.9	867.9	1380.0	1636.0	1914.7	2472.0	2890.0	2894.7
110°	392.8	447.2	501.6	515.2	861.4	1323.0	1553.8	1865.3	2488.4	2955.7	2976.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	436.3	488.2	540.0	553.0	861.7	1273.3	1479.1	1797.9	2435.5	2913.8	2945.2
115°	502.0	549.9	597.8	609.7	869.6	1216.2	1389.5	1696.6	2310.9	2771.6	2815.1
117.5°	566.9	610.4	653.9	664.8	885.9	1180.5	1327.9	1605.1	2159.4	2575.2	2623.5
120°	604.8	645.7	686.7	696.8	898.9	1168.5	1303.2	1556.5	2063.0	2442.9	2489.8
122.5°	641.8	683.1	724.3	734.6	917.8	1162.2	1284.3	1512.4	1968.5	2310.6	2356.9
125°	698.4	736.0	773.7	783.1	943.3	1157.0	1263.8	1457.5	1845.0	2135.6	2178.2
127.5°	744.4	782.4	820.4	829.9	968.8	1153.9	1246.5	1412.8	1745.5	1995.1	2031.1
130°	769.1	810.1	851.0	861.2	987.5	1155.8	1240.0	1388.1	1684.2	1906.4	1939.6
132.5°	794.6	835.5	876.5	886.6	1002.5	1157.0	1234.2	1366.7	1631.9	1830.7	1860.5
135°	832.4	869.6	906.9	916.2	1018.9	1155.8	1224.4	1335.4	1557.4	1723.9	1749.6
137.5°	871.0	907.9	944.8	954.0	1043.6	1163.0	1222.7	1316.6	1504.3	1645.1	1666.0
140°	903.1	937.1	971.0	979.5	1058.6	1164.2	1217.0	1298.0	1460.2	1581.8	1601.4
142.5°	927.7	959.1	990.5	998.4	1071.3	1168.4	1217.0	1288.2	1430.6	1537.4	1554.2
145°	965.5	992.9	1020.3	1027.2	1087.7	1168.4	1208.7	1266.9	1383.5	1470.9	1483.6
147.5°	1003.3	1030.0	1056.6	1063.3	1111.8	1176.4	1208.7	1254.6	1346.2	1414.9	1425.6
150°	1028.0	1052.0	1076.1	1082.2	1124.3	1180.6	1208.7	1247.5	1324.8	1382.9	1391.5
152.5°	1053.4	1071.7	1090.0	1094.5	1132.6	1183.3	1208.7	1241.7	1307.9	1357.4	1363.9
155°	1091.2	1104.7	1118.3	1121.6	1150.7	1189.4	1208.7	1235.0	1287.6	1327.0	1331.3
157.5°	1119.1	1132.3	1145.5	1148.7	1168.8	1195.4	1208.7	1229.2	1270.1	1300.8	1303.8
160°	1138.1	1148.3	1158.5	1161.0	1176.9	1198.1	1208.7	1226.3	1261.3	1287.6	1289.3
162.5°	1157.0	1164.6	1172.3	1174.2	1185.7	1201.1	1208.7	1223.5	1253.1	1275.3	1277.0
165°	1177.5	1184.5	1191.3	1193.1	1198.3	1205.2	1208.7	1219.3	1240.5	1256.4	1258.2
167.5°	1196.4	1199.7	1203.0	1203.8	1208.2	1214.1	1217.0	1223.9	1237.8	1248.2	1248.9
170°	1208.7	1212.0	1215.3	1216.1	1216.4	1216.8	1217.0	1223.9	1237.8	1248.2	1248.2
172.5°	1215.3	1216.0	1216.8	1217.0	1217.0	1217.0	1217.0	1222.4	1233.4	1241.6	1241.0
175°	1224.4	1224.4	1224.4	1224.4	1221.9	1218.6	1217.0	1220.4	1227.3	1232.5	1232.5
177.5°	1224.4	1224.4	1224.4	1224.4	1222.4	1219.9	1218.6	1221.3	1226.8	1230.9	1230.2
180°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1886.7	1881.5	1886.7	1883.3	1885.0	1879.7	1864.1	1858.8	1864.1	1869.3	1869.3
5°	1909.3	1905.8	1909.3	1909.3	1907.6	1904.1	1886.7	1883.3	1886.7	1888.4	1885.0
7.5°	1916.3	1911.1	1916.3	1912.9	1912.9	1909.3	1891.9	1888.4	1890.2	1895.4	1890.2
10°	1916.3	1911.1	1916.3	1914.5	1912.9	1909.3	1891.9	1885.0	1885.0	1890.2	1885.0
12.5°	1907.6	1904.1	1907.6	1904.1	1904.1	1900.6	1883.3	1876.2	1878.0	1879.7	1872.8
15°	1893.7	1888.4	1893.7	1890.2	1891.9	1886.7	1867.5	1860.6	1860.6	1864.1	1851.9
17.5°	1872.8	1865.9	1872.8	1871.0	1869.3	1865.9	1848.4	1841.4	1839.7	1841.4	1832.8
20°	1848.4	1843.2	1848.4	1846.7	1846.7	1839.7	1822.3	1813.6	1813.6	1813.6	1804.9
22.5°	1810.1	1804.9	1810.1	1813.6	1813.6	1811.8	1796.2	1784.0	1780.6	1780.6	1770.1
25°	1766.6	1761.4	1766.6	1766.6	1764.9	1766.6	1761.4	1754.4	1749.2	1744.0	1733.5
27.5°	1724.8	1721.4	1724.8	1721.4	1724.8	1719.6	1717.9	1716.1	1709.2	1704.0	1690.0
30°	1683.1	1679.6	1683.1	1679.6	1676.1	1672.6	1663.9	1660.4	1667.4	1663.9	1641.3
32.5°	1630.8	1627.4	1630.8	1630.8	1627.4	1627.4	1613.4	1608.3	1609.9	1620.4	1599.6
35°	1576.9	1571.6	1576.9	1575.1	1576.9	1571.6	1562.9	1561.3	1554.2	1566.4	1550.8
37.5°	1514.3	1509.0	1514.3	1514.3	1514.3	1517.7	1510.8	1505.5	1495.1	1510.8	1498.6
40°	1449.8	1442.9	1449.8	1448.1	1449.8	1453.3	1449.8	1446.4	1435.9	1448.1	1437.7
42.5°	1376.7	1375.0	1376.7	1378.5	1378.5	1385.4	1390.7	1383.7	1380.3	1371.6	1378.5
45°	1298.4	1295.0	1298.4	1301.9	1303.7	1307.1	1322.8	1322.8	1317.5	1303.7	1314.1
47.5°	1214.9	1206.2	1214.9	1225.3	1225.3	1230.5	1246.2	1258.3	1249.6	1232.3	1237.5
50°	1126.1	1127.8	1126.1	1133.1	1133.1	1152.2	1164.4	1176.6	1185.3	1164.4	1140.0
52.5°	1039.1	1037.4	1039.1	1044.3	1051.2	1059.9	1080.8	1093.0	1106.9	1094.8	1056.5
55°	952.1	955.5	952.1	953.8	957.3	962.5	993.8	1006.0	1032.1	1016.5	976.4
57.5°	865.0	859.8	865.0	868.6	870.2	875.5	901.6	924.2	939.9	941.6	892.9
60°	764.1	757.1	764.1	779.8	783.3	786.7	811.1	831.9	845.9	851.1	800.7
62.5°	675.3	663.1	675.3	685.8	692.7	701.4	718.8	750.2	762.4	764.1	692.7
65°	581.3	576.1	581.3	602.3	603.9	614.4	633.5	656.2	682.3	678.8	576.1
67.5°	496.1	496.1	496.1	509.9	520.4	525.7	550.0	560.4	593.6	597.0	480.3
70°	417.7	416.0	417.7	428.2	435.1	447.3	470.0	482.1	508.2	517.0	389.9
72.5°	342.9	341.1	342.9	351.6	358.5	369.0	388.1	402.1	424.7	435.1	302.8
75°	276.8	273.2	276.8	283.7	281.9	295.9	311.5	325.5	346.4	353.3	224.5
77.5°	212.4	212.4	212.4	219.3	219.3	233.2	240.2	257.6	269.8	280.2	165.4
80°	158.4	156.7	158.4	160.1	160.1	167.1	179.3	191.5	201.9	201.9	113.1
82.5°	111.4	107.9	111.4	111.4	111.4	114.9	121.8	125.3	132.3	137.5	71.3
85°	69.6	69.6	69.6	71.3	69.6	73.1	74.8	78.3	78.3	74.8	43.5
87.5°	45.2	43.5	45.2	43.5	43.5	41.8	41.8	41.8	40.1	38.3	24.3
90°	31.3	31.3	31.3	31.3	31.3	41.6	55.5	62.4	53.7	36.2	23.0
92.5°	125.1	100.2	125.1	149.9	156.2	221.3	308.2	351.7	308.8	223.0	158.6
95°	435.9	360.7	435.9	511.2	530.0	696.0	917.3	1028.0	868.2	548.7	309.0
97.5°	1044.6	901.4	1044.6	1187.7	1223.6	1328.4	1468.3	1538.3	1271.9	739.0	339.4
100°	1505.1	1334.5	1505.1	1675.6	1718.2	1710.6	1700.3	1695.2	1399.6	808.3	364.8
102.5°	1957.9	1811.8	1957.9	2104.0	2140.5	2006.8	1828.6	1739.6	1439.7	840.1	390.3
105°	2535.4	2456.9	2535.4	2613.9	2633.6	2333.9	1934.4	1734.6	1444.3	863.6	428.1
107.5°	2913.7	2932.6	2913.7	2894.7	2890.0	2472.0	1914.7	1636.0	1380.0	867.9	483.9
110°	3057.9	3139.8	3057.9	2976.1	2955.7	2488.4	1865.3	1553.8	1323.0	861.4	515.2



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3070.8	3196.4	3070.8	2945.2	2913.8	2435.5	1797.9	1479.1	1273.3	861.7	553.0
115°	2989.3	3163.6	2989.3	2815.1	2771.6	2310.9	1696.6	1389.5	1216.2	869.6	609.7
117.5°	2816.7	3009.9	2816.7	2623.5	2575.2	2159.4	1605.1	1327.9	1180.5	885.9	664.8
120°	2677.6	2865.3	2677.6	2489.8	2442.9	2063.0	1556.5	1303.2	1168.5	898.9	696.8
122.5°	2542.1	2727.2	2542.1	2356.9	2310.6	1968.5	1512.4	1284.3	1162.2	917.8	734.6
125°	2348.8	2519.3	2348.8	2178.2	2135.6	1845.0	1457.5	1263.8	1157.0	943.3	783.1
127.5°	2174.9	2318.9	2174.9	2031.1	1995.1	1745.5	1412.8	1246.5	1153.9	968.8	829.9
130°	2072.5	2205.4	2072.5	1939.6	1906.4	1684.2	1388.1	1240.0	1155.8	987.5	861.2
132.5°	1979.5	2098.6	1979.5	1860.5	1830.7	1631.9	1366.7	1234.2	1157.0	1002.5	886.6
135°	1852.2	1954.8	1852.2	1749.6	1723.9	1557.4	1335.4	1224.4	1155.8	1018.9	916.2
137.5°	1750.1	1834.1	1750.1	1666.0	1645.1	1504.3	1316.6	1222.7	1163.0	1043.6	954.0
140°	1679.9	1758.4	1679.9	1601.4	1581.8	1460.2	1298.0	1217.0	1164.2	1058.6	979.5
142.5°	1621.9	1689.4	1621.9	1554.2	1537.4	1430.6	1288.2	1217.0	1168.4	1071.3	998.4
145°	1534.7	1585.9	1534.7	1483.6	1470.9	1383.5	1266.9	1208.7	1168.4	1087.7	1027.2
147.5°	1467.9	1510.3	1467.9	1425.6	1414.9	1346.2	1254.6	1208.7	1176.4	1111.8	1063.3
150°	1425.8	1460.2	1425.8	1391.5	1382.9	1324.8	1247.5	1208.7	1180.6	1124.3	1082.2
152.5°	1389.8	1415.8	1389.8	1363.9	1357.4	1307.9	1241.7	1208.7	1183.3	1132.6	1094.5
155°	1348.5	1365.7	1348.5	1331.3	1327.0	1287.6	1235.0	1208.7	1189.4	1150.7	1121.6
157.5°	1315.9	1327.9	1315.9	1303.8	1300.8	1270.1	1229.2	1208.7	1195.4	1168.8	1148.7
160°	1296.3	1303.2	1296.3	1289.3	1287.6	1261.3	1226.3	1208.7	1198.1	1176.9	1161.0
162.5°	1283.5	1290.0	1283.5	1277.0	1275.3	1253.1	1223.5	1208.7	1201.1	1185.7	1174.2
165°	1265.0	1272.0	1265.0	1258.2	1256.4	1240.5	1219.3	1208.7	1205.2	1198.3	1193.1
167.5°	1251.8	1254.7	1251.8	1248.9	1248.2	1237.8	1223.9	1217.0	1214.1	1208.2	1203.8
170°	1248.2	1248.2	1248.2	1248.2	1248.2	1237.8	1223.9	1217.0	1216.8	1216.4	1216.1
172.5°	1238.4	1235.9	1238.4	1241.0	1241.6	1233.4	1222.4	1217.0	1217.0	1217.0	1217.0
175°	1232.5	1232.5	1232.5	1232.5	1232.5	1227.3	1220.4	1217.0	1218.6	1221.9	1224.4
177.5°	1227.2	1224.4	1227.2	1230.2	1230.9	1226.8	1221.3	1218.6	1219.9	1222.4	1224.4
180°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1865.9	1855.4	1855.4	1837.9	1831.0	1825.8	1817.1	1790.9	1784.0	1777.1	1787.5
5°	1881.5	1862.3	1848.4	1817.1	1790.9	1780.6	1747.5	1684.8	1643.0	1611.7	1594.3
7.5°	1885.0	1860.6	1834.5	1785.8	1723.1	1695.2	1594.3	1479.4	1448.1	1420.2	1402.8
10°	1881.5	1853.7	1817.1	1744.0	1596.0	1547.3	1446.4	1371.6	1352.4	1347.1	1352.4
12.5°	1869.3	1843.2	1792.7	1670.9	1463.8	1430.7	1371.6	1328.0	1324.6	1333.3	1380.3
15°	1848.4	1824.1	1764.9	1573.4	1390.7	1366.3	1324.6	1308.8	1328.0	1388.9	1529.9
17.5°	1827.6	1799.6	1726.6	1477.7	1334.9	1317.5	1287.9	1319.3	1427.2	1509.0	1556.0
20°	1799.6	1766.6	1683.1	1408.1	1295.0	1279.2	1265.4	1406.3	1488.1	1517.7	1543.8
22.5°	1766.6	1731.8	1623.9	1359.3	1253.2	1241.0	1249.6	1455.1	1488.1	1509.0	1531.7
25°	1723.1	1693.5	1554.2	1321.1	1220.1	1206.2	1239.3	1449.8	1469.0	1474.2	1519.5
27.5°	1683.1	1644.8	1481.2	1286.3	1180.1	1174.8	1248.0	1427.2	1441.1	1446.4	1495.1
30°	1634.3	1576.9	1399.4	1249.6	1138.3	1136.5	1249.6	1399.4	1395.9	1409.8	1458.5
32.5°	1583.8	1476.0	1307.1	1204.4	1098.2	1096.6	1237.5	1357.6	1354.1	1373.2	1409.8
35°	1536.9	1397.6	1181.8	1152.2	1047.8	1049.5	1207.9	1308.8	1310.6	1328.0	1350.7
37.5°	1488.1	1329.7	1044.3	1094.8	999.1	999.1	1167.9	1263.6	1260.1	1265.4	1296.6
40°	1430.7	1223.6	922.5	1020.0	953.8	948.6	1119.1	1214.9	1202.7	1201.0	1244.5
42.5°	1369.8	1106.9	831.9	920.7	901.6	894.6	1059.9	1155.7	1133.1	1138.3	1194.0
45°	1303.7	1075.7	762.4	778.0	847.6	842.4	995.6	1087.8	1072.1	1086.1	1143.5
47.5°	1237.5	1012.9	739.7	645.7	790.2	788.5	924.2	1021.6	1012.9	1026.9	1087.8
50°	1147.0	943.4	737.9	553.5	725.8	732.8	839.0	957.3	957.3	969.5	1033.8
52.5°	1030.3	858.1	670.1	501.2	650.9	671.8	764.1	901.6	905.1	917.2	974.7
55°	924.2	769.3	621.4	461.2	562.2	607.4	691.0	844.1	851.1	863.3	915.5
57.5°	826.7	640.5	610.9	414.2	480.3	523.9	626.6	788.5	792.0	802.4	852.8
60°	722.3	463.0	560.4	363.8	409.0	442.0	567.4	722.3	734.5	741.5	784.9
62.5°	603.9	336.0	508.2	328.9	374.2	381.2	518.6	659.7	675.3	680.5	706.7
65°	429.9	281.9	431.7	299.3	337.6	339.4	466.5	595.2	609.2	617.9	637.0
67.5°	290.6	229.8	328.9	271.5	309.8	311.5	416.0	520.4	539.5	546.5	558.7
70°	201.9	153.2	243.6	242.0	278.5	281.9	362.0	452.5	470.0	475.2	482.1
72.5°	147.9	123.6	201.9	217.6	245.4	248.9	306.4	375.9	393.4	398.6	402.1
75°	113.1	130.5	163.6	189.7	208.9	210.6	250.7	306.4	318.5	322.0	323.7
77.5°	90.5	121.8	120.1	153.2	170.6	167.1	196.7	236.7	247.2	247.2	247.2
80°	67.9	95.7	90.5	109.6	125.3	121.8	141.0	168.8	172.3	175.7	174.1
82.5°	50.5	61.0	61.0	69.6	83.5	80.1	94.0	109.6	109.6	109.6	113.1
85°	31.4	34.8	27.8	36.5	47.0	45.2	52.3	59.2	61.0	61.0	57.4
87.5°	19.1	15.6	8.7	14.0	20.9	20.9	24.3	26.1	24.3	24.3	24.3
90°	21.3	14.8	8.3	14.8	21.3	23.0	36.2	53.7	62.4	55.5	41.6
92.5°	144.7	88.7	32.8	88.7	144.7	158.6	223.0	308.8	351.7	308.2	221.3
95°	283.4	181.1	78.9	181.1	283.4	309.0	548.7	868.2	1028.0	917.3	696.0
97.5°	316.8	226.6	136.4	226.6	316.8	339.4	739.0	1271.9	1538.3	1468.3	1328.4
100°	344.4	262.6	180.8	262.6	344.4	364.8	808.3	1399.6	1695.2	1700.3	1710.6
102.5°	371.3	294.9	218.6	294.9	371.3	390.3	840.1	1439.7	1739.6	1828.6	2006.8
105°	411.9	347.3	282.6	347.3	411.9	428.1	863.6	1444.3	1734.6	1934.4	2333.9
107.5°	468.9	408.7	348.4	408.7	468.9	483.9	867.9	1380.0	1636.0	1914.7	2472.0
110°	501.6	447.2	392.8	447.2	501.6	515.2	861.4	1323.0	1553.8	1865.3	2488.4



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	540.0	488.2	436.3	488.2	540.0	553.0	861.7	1273.3	1479.1	1797.9	2435.5
115°	597.8	549.9	502.0	549.9	597.8	609.7	869.6	1216.2	1389.5	1696.6	2310.9
117.5°	653.9	610.4	566.9	610.4	653.9	664.8	885.9	1180.5	1327.9	1605.1	2159.4
120°	686.7	645.7	604.8	645.7	686.7	696.8	898.9	1168.5	1303.2	1556.5	2063.0
122.5°	724.3	683.1	641.8	683.1	724.3	734.6	917.8	1162.2	1284.3	1512.4	1968.5
125°	773.7	736.0	698.4	736.0	773.7	783.1	943.3	1157.0	1263.8	1457.5	1845.0
127.5°	820.4	782.4	744.4	782.4	820.4	829.9	968.8	1153.9	1246.5	1412.8	1745.5
130°	851.0	810.1	769.1	810.1	851.0	861.2	987.5	1155.8	1240.0	1388.1	1684.2
132.5°	876.5	835.5	794.6	835.5	876.5	886.6	1002.5	1157.0	1234.2	1366.7	1631.9
135°	906.9	869.6	832.4	869.6	906.9	916.2	1018.9	1155.8	1224.4	1335.4	1557.4
137.5°	944.8	907.9	871.0	907.9	944.8	954.0	1043.6	1163.0	1222.7	1316.6	1504.3
140°	971.0	937.1	903.1	937.1	971.0	979.5	1058.6	1164.2	1217.0	1298.0	1460.2
142.5°	990.5	959.1	927.7	959.1	990.5	998.4	1071.3	1168.4	1217.0	1288.2	1430.6
145°	1020.3	992.9	965.5	992.9	1020.3	1027.2	1087.7	1168.4	1208.7	1266.9	1383.5
147.5°	1056.6	1030.0	1003.3	1030.0	1056.6	1063.3	1111.8	1176.4	1208.7	1254.6	1346.2
150°	1076.1	1052.0	1028.0	1052.0	1076.1	1082.2	1124.3	1180.6	1208.7	1247.5	1324.8
152.5°	1090.0	1071.7	1053.4	1071.7	1090.0	1094.5	1132.6	1183.3	1208.7	1241.7	1307.9
155°	1118.3	1104.7	1091.2	1104.7	1118.3	1121.6	1150.7	1189.4	1208.7	1235.0	1287.6
157.5°	1145.5	1132.3	1119.1	1132.3	1145.5	1148.7	1168.8	1195.4	1208.7	1229.2	1270.1
160°	1158.5	1148.3	1138.1	1148.3	1158.5	1161.0	1176.9	1198.1	1208.7	1226.3	1261.3
162.5°	1172.3	1164.6	1157.0	1164.6	1172.3	1174.2	1185.7	1201.1	1208.7	1223.5	1253.1
165°	1191.3	1184.5	1177.5	1184.5	1191.3	1193.1	1198.3	1205.2	1208.7	1219.3	1240.5
167.5°	1203.0	1199.7	1196.4	1199.7	1203.0	1203.8	1208.2	1214.1	1217.0	1223.9	1237.8
170°	1215.3	1212.0	1208.7	1212.0	1215.3	1216.1	1216.4	1216.8	1217.0	1223.9	1237.8
172.5°	1216.8	1216.0	1215.3	1216.0	1216.8	1217.0	1217.0	1217.0	1217.0	1222.4	1233.4
175°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1221.9	1218.6	1217.0	1220.4	1227.3
177.5°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1222.4	1219.9	1218.6	1221.3	1226.8
180°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1775.3	1770.1	1777.1	1757.9	1777.1	1770.1	1775.3	1787.5	1777.1	1784.0	1790.9
5°	1557.8	1549.1	1521.2	1498.6	1521.2	1549.1	1557.8	1594.3	1611.7	1643.0	1684.8
7.5°	1392.4	1385.4	1378.5	1364.5	1378.5	1385.4	1392.4	1402.8	1420.2	1448.1	1479.4
10°	1355.8	1357.6	1368.0	1366.3	1368.0	1357.6	1355.8	1352.4	1347.1	1352.4	1371.6
12.5°	1449.8	1465.5	1523.0	1519.5	1523.0	1465.5	1449.8	1380.3	1333.3	1324.6	1328.0
15°	1557.8	1562.9	1575.1	1576.9	1575.1	1562.9	1557.8	1529.9	1388.9	1328.0	1308.8
17.5°	1568.2	1570.0	1578.7	1578.7	1578.7	1570.0	1568.2	1556.0	1509.0	1427.2	1319.3
20°	1559.5	1562.9	1580.4	1583.8	1580.4	1562.9	1559.5	1543.8	1517.7	1488.1	1406.3
22.5°	1556.0	1562.9	1576.9	1575.1	1576.9	1562.9	1556.0	1531.7	1509.0	1488.1	1455.1
25°	1538.6	1538.6	1540.4	1542.1	1540.4	1538.6	1538.6	1519.5	1474.2	1469.0	1449.8
27.5°	1502.1	1505.5	1515.9	1514.3	1515.9	1505.5	1502.1	1495.1	1446.4	1441.1	1427.2
30°	1469.0	1465.5	1456.8	1449.8	1456.8	1465.5	1469.0	1458.5	1409.8	1395.9	1399.4
32.5°	1413.3	1404.6	1395.9	1390.7	1395.9	1404.6	1413.3	1409.8	1373.2	1354.1	1357.6
35°	1347.1	1348.9	1347.1	1342.0	1347.1	1348.9	1347.1	1350.7	1328.0	1310.6	1308.8
37.5°	1300.1	1303.7	1301.9	1295.0	1301.9	1303.7	1300.1	1296.6	1265.4	1260.1	1263.6
40°	1251.4	1253.2	1251.4	1246.2	1251.4	1253.2	1251.4	1244.5	1201.0	1202.7	1214.9
42.5°	1204.4	1202.7	1197.5	1194.0	1197.5	1202.7	1204.4	1194.0	1138.3	1133.1	1155.7
45°	1150.5	1152.2	1141.8	1136.5	1141.8	1152.2	1150.5	1143.5	1086.1	1072.1	1087.8
47.5°	1096.6	1096.6	1087.8	1082.6	1087.8	1096.6	1096.6	1087.8	1026.9	1012.9	1021.6
50°	1039.1	1037.4	1025.2	1023.4	1025.2	1037.4	1039.1	1033.8	969.5	957.3	957.3
52.5°	973.0	973.0	974.7	978.2	974.7	973.0	973.0	974.7	917.2	905.1	901.6
55°	915.5	917.2	929.4	932.9	929.4	917.2	915.5	915.5	863.3	851.1	844.1
57.5°	856.3	856.3	865.0	865.0	865.0	856.3	856.3	852.8	802.4	792.0	788.5
60°	788.5	792.0	798.9	797.1	798.9	792.0	788.5	784.9	741.5	734.5	722.3
62.5°	717.0	720.6	722.3	718.8	722.3	720.6	717.0	706.7	680.5	675.3	659.7
65°	642.2	645.7	647.5	644.0	647.5	645.7	642.2	637.0	617.9	609.2	595.2
67.5°	565.6	564.0	562.2	569.1	562.2	564.0	565.6	558.7	546.5	539.5	520.4
70°	487.4	487.4	485.6	489.0	485.6	487.4	487.4	482.1	475.2	470.0	452.5
72.5°	403.8	402.1	409.0	403.8	409.0	402.1	403.8	402.1	398.6	393.4	375.9
75°	322.0	325.5	322.0	327.3	322.0	325.5	322.0	323.7	322.0	318.5	306.4
77.5°	245.4	248.9	245.4	245.4	245.4	248.9	245.4	247.2	247.2	247.2	236.7
80°	174.1	172.3	172.3	170.6	172.3	172.3	174.1	174.1	175.7	172.3	168.8
82.5°	111.4	109.6	109.6	113.1	109.6	109.6	111.4	113.1	109.6	109.6	109.6
85°	61.0	62.6	59.2	59.2	59.2	62.6	61.0	57.4	61.0	61.0	59.2
87.5°	22.7	20.9	20.9	20.9	20.9	20.9	22.7	24.3	24.3	24.3	26.1
90°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	41.6	55.5	62.4	53.7
92.5°	156.2	149.9	125.1	100.2	125.1	149.9	156.2	221.3	308.2	351.7	308.8
95°	530.0	511.2	435.9	360.7	435.9	511.2	530.0	696.0	917.3	1028.0	868.2
97.5°	1223.6	1187.7	1044.6	901.4	1044.6	1187.7	1223.6	1328.4	1468.3	1538.3	1271.9
100°	1718.2	1675.6	1505.1	1334.5	1505.1	1675.6	1718.2	1710.6	1700.3	1695.2	1399.6
102.5°	2140.5	2104.0	1957.9	1811.8	1957.9	2104.0	2140.5	2006.8	1828.6	1739.6	1439.7
105°	2633.6	2613.9	2535.4	2456.9	2535.4	2613.9	2633.6	2333.9	1934.4	1734.6	1444.3
107.5°	2890.0	2894.7	2913.7	2932.6	2913.7	2894.7	2890.0	2472.0	1914.7	1636.0	1380.0
110°	2955.7	2976.1	3057.9	3139.8	3057.9	2976.1	2955.7	2488.4	1865.3	1553.8	1323.0



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2913.8	2945.2	3070.8	3196.4	3070.8	2945.2	2913.8	2435.5	1797.9	1479.1	1273.3
115°	2771.6	2815.1	2989.3	3163.6	2989.3	2815.1	2771.6	2310.9	1696.6	1389.5	1216.2
117.5°	2575.2	2623.5	2816.7	3009.9	2816.7	2623.5	2575.2	2159.4	1605.1	1327.9	1180.5
120°	2442.9	2489.8	2677.6	2865.3	2677.6	2489.8	2442.9	2063.0	1556.5	1303.2	1168.5
122.5°	2310.6	2356.9	2542.1	2727.2	2542.1	2356.9	2310.6	1968.5	1512.4	1284.3	1162.2
125°	2135.6	2178.2	2348.8	2519.3	2348.8	2178.2	2135.6	1845.0	1457.5	1263.8	1157.0
127.5°	1995.1	2031.1	2174.9	2318.9	2174.9	2031.1	1995.1	1745.5	1412.8	1246.5	1153.9
130°	1906.4	1939.6	2072.5	2205.4	2072.5	1939.6	1906.4	1684.2	1388.1	1240.0	1155.8
132.5°	1830.7	1860.5	1979.5	2098.6	1979.5	1860.5	1830.7	1631.9	1366.7	1234.2	1157.0
135°	1723.9	1749.6	1852.2	1954.8	1852.2	1749.6	1723.9	1557.4	1335.4	1224.4	1155.8
137.5°	1645.1	1666.0	1750.1	1834.1	1750.1	1666.0	1645.1	1504.3	1316.6	1222.7	1163.0
140°	1581.8	1601.4	1679.9	1758.4	1679.9	1601.4	1581.8	1460.2	1298.0	1217.0	1164.2
142.5°	1537.4	1554.2	1621.9	1689.4	1621.9	1554.2	1537.4	1430.6	1288.2	1217.0	1168.4
145°	1470.9	1483.6	1534.7	1585.9	1534.7	1483.6	1470.9	1383.5	1266.9	1208.7	1168.4
147.5°	1414.9	1425.6	1467.9	1510.3	1467.9	1425.6	1414.9	1346.2	1254.6	1208.7	1176.4
150°	1382.9	1391.5	1425.8	1460.2	1425.8	1391.5	1382.9	1324.8	1247.5	1208.7	1180.6
152.5°	1357.4	1363.9	1389.8	1415.8	1389.8	1363.9	1357.4	1307.9	1241.7	1208.7	1183.3
155°	1327.0	1331.3	1348.5	1365.7	1348.5	1331.3	1327.0	1287.6	1235.0	1208.7	1189.4
157.5°	1300.8	1303.8	1315.9	1327.9	1315.9	1303.8	1300.8	1270.1	1229.2	1208.7	1195.4
160°	1287.6	1289.3	1296.3	1303.2	1296.3	1289.3	1287.6	1261.3	1226.3	1208.7	1198.1
162.5°	1275.3	1277.0	1283.5	1290.0	1283.5	1277.0	1275.3	1253.1	1223.5	1208.7	1201.1
165°	1256.4	1258.2	1265.0	1272.0	1265.0	1258.2	1256.4	1240.5	1219.3	1208.7	1205.2
167.5°	1248.2	1248.9	1251.8	1254.7	1251.8	1248.9	1248.2	1237.8	1223.9	1217.0	1214.1
170°	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1248.2	1237.8	1223.9	1217.0	1216.8
172.5°	1241.6	1241.0	1238.4	1235.9	1238.4	1241.0	1241.6	1233.4	1222.4	1217.0	1217.0
175°	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1232.5	1227.3	1220.4	1217.0	1218.6
177.5°	1230.9	1230.2	1227.2	1224.4	1227.2	1230.2	1230.9	1226.8	1221.3	1218.6	1219.9
180°	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4	1224.4



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1817.1	1825.8	1831.0	1837.9	1855.4
5°	1747.5	1780.6	1790.9	1817.1	1848.4
7.5°	1594.3	1695.2	1723.1	1785.8	1834.5
10°	1446.4	1547.3	1596.0	1744.0	1817.1
12.5°	1371.6	1430.7	1463.8	1670.9	1792.7
15°	1324.6	1366.3	1390.7	1573.4	1764.9
17.5°	1287.9	1317.5	1334.9	1477.7	1726.6
20°	1265.4	1279.2	1295.0	1408.1	1683.1
22.5°	1249.6	1241.0	1253.2	1359.3	1623.9
25°	1239.3	1206.2	1220.1	1321.1	1554.2
27.5°	1248.0	1174.8	1180.1	1286.3	1481.2
30°	1249.6	1136.5	1138.3	1249.6	1399.4
32.5°	1237.5	1096.6	1098.2	1204.4	1307.1
35°	1207.9	1049.5	1047.8	1152.2	1181.8
37.5°	1167.9	999.1	999.1	1094.8	1044.3
40°	1119.1	948.6	953.8	1020.0	922.5
42.5°	1059.9	894.6	901.6	920.7	831.9
45°	995.6	842.4	847.6	778.0	762.4
47.5°	924.2	788.5	790.2	645.7	739.7
50°	839.0	732.8	725.8	553.5	737.9
52.5°	764.1	671.8	650.9	501.2	670.1
55°	691.0	607.4	562.2	461.2	621.4
57.5°	626.6	523.9	480.3	414.2	610.9
60°	567.4	442.0	409.0	363.8	560.4
62.5°	518.6	381.2	374.2	328.9	508.2
65°	466.5	339.4	337.6	299.3	431.7
67.5°	416.0	311.5	309.8	271.5	328.9
70°	362.0	281.9	278.5	242.0	243.6
72.5°	306.4	248.9	245.4	217.6	201.9
75°	250.7	210.6	208.9	189.7	163.6
77.5°	196.7	167.1	170.6	153.2	120.1
80°	141.0	121.8	125.3	109.6	90.5
82.5°	94.0	80.1	83.5	69.6	61.0
85°	52.3	45.2	47.0	36.5	27.8
87.5°	24.3	20.9	20.9	14.0	8.7
90°	36.2	23.0	21.3	14.8	8.3
92.5°	223.0	158.6	144.7	88.7	32.8
95°	548.7	309.0	283.4	181.1	78.9
97.5°	739.0	339.4	316.8	226.6	136.4
100°	808.3	364.8	344.4	262.6	180.8
102.5°	840.1	390.3	371.3	294.9	218.6
105°	863.6	428.1	411.9	347.3	282.6
107.5°	867.9	483.9	468.9	408.7	348.4
110°	861.4	515.2	501.6	447.2	392.8



TEST NUMBER: P936061

CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	861.7	553.0	540.0	488.2	436.3
115°	869.6	609.7	597.8	549.9	502.0
117.5°	885.9	664.8	653.9	610.4	566.9
120°	898.9	696.8	686.7	645.7	604.8
122.5°	917.8	734.6	724.3	683.1	641.8
125°	943.3	783.1	773.7	736.0	698.4
127.5°	968.8	829.9	820.4	782.4	744.4
130°	987.5	861.2	851.0	810.1	769.1
132.5°	1002.5	886.6	876.5	835.5	794.6
135°	1018.9	916.2	906.9	869.6	832.4
137.5°	1043.6	954.0	944.8	907.9	871.0
140°	1058.6	979.5	971.0	937.1	903.1
142.5°	1071.3	998.4	990.5	959.1	927.7
145°	1087.7	1027.2	1020.3	992.9	965.5
147.5°	1111.8	1063.3	1056.6	1030.0	1003.3
150°	1124.3	1082.2	1076.1	1052.0	1028.0
152.5°	1132.6	1094.5	1090.0	1071.7	1053.4
155°	1150.7	1121.6	1118.3	1104.7	1091.2
157.5°	1168.8	1148.7	1145.5	1132.3	1119.1
160°	1176.9	1161.0	1158.5	1148.3	1138.1
162.5°	1185.7	1174.2	1172.3	1164.6	1157.0
165°	1198.3	1193.1	1191.3	1184.5	1177.5
167.5°	1208.2	1203.8	1203.0	1199.7	1196.4
170°	1216.4	1216.1	1215.3	1212.0	1208.7
172.5°	1217.0	1217.0	1216.8	1216.0	1215.3
175°	1221.9	1224.4	1224.4	1224.4	1224.4
177.5°	1222.4	1224.4	1224.4	1224.4	1224.4
180°	1224.4	1224.4	1224.4	1224.4	1224.4



TEST NUMBER: P936061
 CATALOG NUMBER: SQ4-FA-150U-100D-93050-1D-UNV-STD-W-6-3000K

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	11.98	12.74	13.04	13.80	15.24	14.80	15.56	15.86	16.62	18.06
	3H	12.45	13.13	13.51	14.20	15.65	16.14	16.82	17.21	17.89	19.35
	4H	12.63	13.28	13.71	14.35	15.81	16.58	17.22	17.66	18.29	19.76
	6H	12.75	13.34	13.84	14.42	15.89	16.86	17.45	17.94	18.52	20.00
	8H	12.75	13.31	13.84	14.40	15.87	16.93	17.49	18.02	18.58	20.05
	12H	12.71	13.25	13.81	14.33	15.83	16.96	17.50	18.06	18.58	20.08
4H	2H	13.00	13.64	14.08	14.71	16.18	15.20	15.85	16.29	16.92	18.38
	3H	14.02	14.55	15.11	15.65	17.13	16.70	17.23	17.79	18.33	19.81
	4H	14.29	14.78	15.38	15.87	17.37	17.22	17.71	18.31	18.80	20.30
	6H	14.41	14.83	15.51	15.94	17.43	17.58	18.00	18.68	19.11	20.60
	8H	14.41	14.80	15.52	15.91	17.42	17.68	18.07	18.78	19.18	20.68
	12H	14.37	14.73	15.49	15.85	17.36	17.73	18.09	18.85	19.20	20.72
8H	4H	14.73	15.13	15.84	16.23	17.74	17.33	17.73	18.44	18.83	20.34
	6H	14.99	15.31	16.12	16.46	17.96	17.76	18.09	18.89	19.24	20.74
	8H	15.03	15.32	16.16	16.44	17.97	17.92	18.20	19.05	19.33	20.85
	12H	15.01	15.26	16.15	16.38	17.94	18.01	18.26	19.14	19.38	20.94
12H	4H	14.73	15.09	15.86	16.21	17.72	17.29	17.65	18.42	18.77	20.28
	6H	15.05	15.33	16.18	16.46	17.98	17.76	18.05	18.89	19.17	20.70
	8H	15.11	15.36	16.25	16.48	18.04	17.92	18.17	19.05	19.29	20.85