

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: P935868

Luminaire Tested: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935868
REPORT IS A COMBINATION OF REPORTS P933772 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

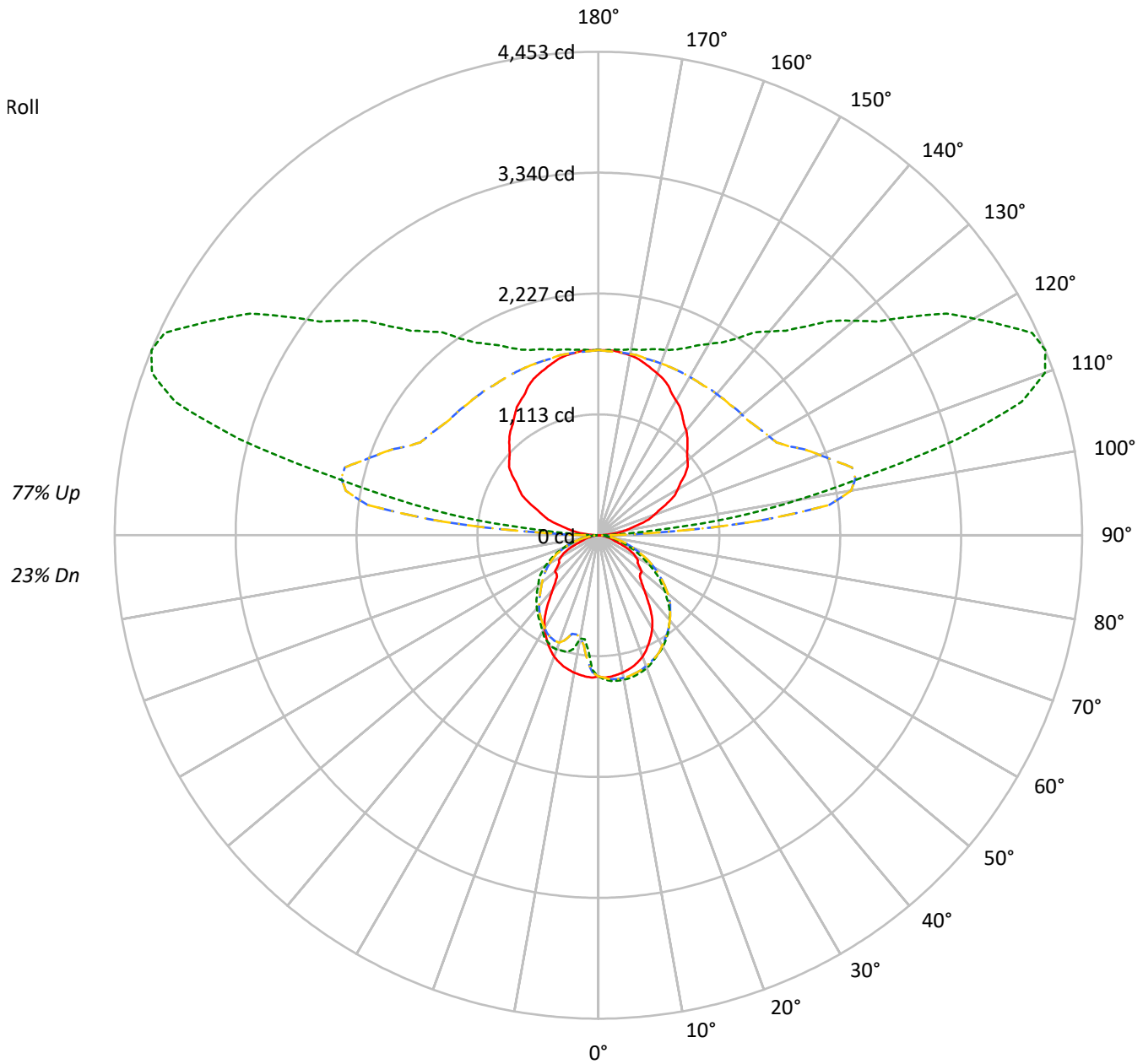
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14437.1 lumens
Efficiency: N/A
Efficacy: 129.8 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): 111.2
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

TEST NUMBER: P935868
CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6037	6037	6037	6037
5°	6082	6093	6082	4791
10°	6041	6003	6041	4291
15°	5975	5872	5975	4904
20°	5850	5718	5850	4914
25°	5594	5494	5594	4810
30°	5264	5307	5264	4581
35°	4692	5071	4692	4330
40°	3910	4793	3910	4140
45°	3494	4468	3494	3922
50°	3712	4081	3712	3703
55°	3492	3663	3492	3575
60°	3600	3111	3600	3275
65°	3263	2572	3263	2875
70°	2260	2049	2260	2409
75°	1982	1515	1982	1814
80°	1597	1002	1597	1090
85°	918	531	918	450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5355 cd/sqm



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	0.8
10°-20°	333.5	2.3
20°-30°	515.5	3.6
30°-40°	615.4	4.3
40°-50°	619.0	4.3
50°-60°	538.6	3.7
60°-70°	381.9	2.6
70°-80°	202.0	1.4
80°-90°	56.8	0.4
90°-100°	831.4	5.8
100°-110°	2185.9	15.1
110°-120°	2266.5	15.7
120°-130°	1818.0	12.6
130°-140°	1426.5	9.9
140°-150°	1094.9	7.6
150°-160°	788.5	5.5
160°-170°	482.5	3.3
170°-180°	163.0	1.1
0°-30°	966.4	6.7
0°-40°	1581.7	11.0
0°-60°	2739.3	19.0
0°-90°	3379.9	23.4
90°-120°	5283.8	36.6
90°-150°	9623.2	66.7
90°-180°	11057.0	76.6
0°-180°	14437.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1301	1301	1301	1301	1301	
5°	1307	1348	1307	1060	1307	124
15°	1248	1336	1248	1115	1248	351
25°	1099	1246	1099	1091	1099	505
35°	836	1112	836	949	836	517
45°	539	916	539	804	539	432
55°	439	676	439	660	439	404
65°	305	408	305	456	305	292
75°	116	193	116	231	116	122
85°	20	49	20	42	20	27
90°	12	44	12	44	12	10
95°	110	502	110	502	110	122
105°	394	3423	394	3423	394	417
115°	700	4407	700	4407	700	691
125°	973	3510	973	3510	973	864
135°	1160	2723	1160	2723	1160	897
145°	1345	2209	1345	2209	1345	843
155°	1520	1903	1520	1903	1520	699
165°	1640	1772	1640	1772	1640	463
175°	1706	1717	1706	1717	1706	162
180°	1706	1706	1706	1706	1706	



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1312.1	1312.1	1319.6	1322.0	1322.0	1318.3	1314.6	1318.3	1329.4	1333.0	1331.9
5°	1307.3	1317.1	1330.7	1333.0	1335.5	1334.3	1331.9	1334.3	1346.6	1349.1	1350.3
7.5°	1297.3	1315.9	1333.0	1336.8	1340.5	1336.8	1335.5	1338.0	1350.3	1352.8	1352.8
10°	1285.0	1310.9	1330.7	1333.0	1336.8	1333.0	1333.0	1338.0	1350.3	1352.8	1354.0
12.5°	1267.8	1303.5	1322.0	1324.4	1329.4	1328.2	1326.9	1331.9	1344.1	1346.6	1346.6
15°	1248.2	1290.0	1307.3	1309.6	1318.3	1315.9	1315.9	1320.7	1334.3	1338.0	1336.8
17.5°	1221.1	1272.8	1292.5	1296.2	1302.3	1301.1	1302.3	1307.3	1319.6	1322.0	1323.2
20°	1190.3	1249.3	1272.8	1276.4	1282.6	1282.6	1282.6	1288.7	1301.1	1306.0	1306.0
22.5°	1148.4	1224.8	1249.3	1251.8	1259.3	1259.3	1261.6	1270.3	1281.4	1282.6	1282.6
25°	1099.2	1197.7	1218.6	1225.9	1233.4	1237.1	1240.7	1245.7	1249.3	1248.2	1249.3
27.5°	1047.5	1163.2	1190.3	1195.2	1205.0	1208.8	1213.7	1214.9	1216.1	1219.8	1217.4
30°	989.6	1115.2	1155.8	1160.8	1176.8	1179.2	1174.3	1176.8	1182.9	1185.4	1187.9
32.5°	924.4	1043.8	1120.1	1131.2	1146.0	1138.6	1137.4	1141.1	1150.9	1150.9	1153.4
35°	835.7	988.4	1086.9	1096.7	1107.8	1099.2	1104.2	1105.4	1111.5	1115.2	1114.0
37.5°	738.6	940.5	1052.4	1059.8	1068.5	1057.4	1064.7	1068.5	1073.3	1070.9	1070.9
40°	652.4	865.3	1011.9	1016.7	1024.1	1015.5	1022.9	1025.3	1027.8	1025.3	1024.1
42.5°	588.3	782.9	968.7	974.9	969.9	976.2	978.5	983.5	979.8	974.9	974.9
45°	539.1	760.7	921.9	929.3	921.9	931.8	935.5	935.5	924.4	921.9	920.7
47.5°	523.2	716.4	875.2	875.2	871.4	883.8	890.0	881.4	870.3	866.6	866.6
50°	521.9	667.2	811.2	806.3	823.4	838.2	832.1	823.4	814.8	801.3	801.3
52.5°	473.9	606.9	728.7	747.2	774.3	782.9	773.0	764.4	749.7	743.4	738.6
55°	439.4	544.1	653.6	690.6	718.8	729.9	711.5	702.9	680.7	677.0	674.5
57.5°	432.1	453.0	584.7	631.5	665.9	664.7	653.6	637.6	619.2	615.5	614.2
60°	396.4	327.4	510.8	566.2	601.9	598.2	588.3	573.6	556.4	553.9	551.4
62.5°	359.5	237.6	427.1	489.9	540.3	539.1	530.5	508.4	496.0	489.9	485.0
65°	305.2	199.4	304.0	407.5	480.0	482.5	464.1	448.0	434.5	427.1	425.9
67.5°	232.6	162.5	205.6	339.7	422.2	419.8	396.4	389.0	371.8	368.1	360.7
70°	172.3	108.3	142.8	275.8	365.6	359.5	340.9	332.4	316.3	307.7	302.8
72.5°	142.8	87.4	104.6	214.2	307.7	300.4	284.3	274.5	261.0	253.6	248.6
75°	115.7	92.3	80.0	158.8	249.9	244.9	230.2	220.3	209.2	199.4	200.6
77.5°	85.0	86.2	64.0	116.9	198.2	190.8	182.2	169.9	164.9	155.1	155.1
80°	64.0	67.7	48.0	80.0	142.8	142.8	135.4	126.8	118.2	113.2	113.2
82.5°	43.0	43.0	35.7	50.5	97.3	93.5	88.6	86.2	81.2	78.7	78.7
85°	19.7	24.6	22.1	30.7	53.0	55.4	55.4	53.0	51.7	49.3	50.5
87.5°	6.1	11.1	13.6	17.3	27.1	28.4	29.5	29.5	29.5	30.7	30.7
90°	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0	43.5	43.5
92.5°	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3	217.5	208.9
95°	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6	738.4	712.1
97.5°	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7	1704.5	1654.7
100°	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0	2393.6	2334.2
102.5°	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8	2982.0	2931.2
105°	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5	3668.9	3641.6
107.5°	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8	4026.1	4032.7
110°	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7	4117.7	4146.1



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0	4059.2	4103.0
115°	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4	3861.2	3921.9
117.5°	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4	3587.6	3654.9
120°	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1	3403.4	3468.7
122.5°	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4	3219.0	3283.5
125°	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3	2975.2	3034.5
127.5°	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8	2779.4	2829.5
130°	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4	2655.8	2702.2
132.5°	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4	2550.5	2591.9
135°	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7	2401.7	2437.4
137.5°	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6	2291.8	2321.0
140°	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3	2203.7	2231.0
142.5°	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0	2141.8	2165.3
145°	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3	2049.1	2066.9
147.5°	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4	1971.2	1986.0
150°	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7	1926.6	1938.5
152.5°	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0	1891.1	1900.1
155°	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8	1848.8	1854.8
157.5°	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4	1812.2	1816.4
160°	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2	1793.8	1796.2
162.5°	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7	1776.7	1779.0
165°	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2	1750.3	1752.7
167.5°	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3	1738.8	1739.9
170°	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3	1738.8	1738.8
172.5°	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2	1729.7	1728.8
175°	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8	1717.1	1717.1
177.5°	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1	1714.8	1713.8
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1334.3	1330.7	1334.3	1331.9	1333.0	1329.4	1318.3	1314.6	1318.3	1322.0	1322.0
5°	1350.3	1347.8	1350.3	1350.3	1349.1	1346.6	1334.3	1331.9	1334.3	1335.5	1333.0
7.5°	1355.3	1351.6	1355.3	1352.8	1352.8	1350.3	1338.0	1335.5	1336.8	1340.5	1336.8
10°	1355.3	1351.6	1355.3	1354.0	1352.8	1350.3	1338.0	1333.0	1333.0	1336.8	1333.0
12.5°	1349.1	1346.6	1349.1	1346.6	1346.6	1344.1	1331.9	1326.9	1328.2	1329.4	1324.4
15°	1339.2	1335.5	1339.2	1336.8	1338.0	1334.3	1320.7	1315.9	1315.9	1318.3	1309.6
17.5°	1324.4	1319.6	1324.4	1323.2	1322.0	1319.6	1307.3	1302.3	1301.1	1302.3	1296.2
20°	1307.3	1303.5	1307.3	1306.0	1306.0	1301.1	1288.7	1282.6	1282.6	1282.6	1276.4
22.5°	1280.2	1276.4	1280.2	1282.6	1282.6	1281.4	1270.3	1261.6	1259.3	1259.3	1251.8
25°	1249.3	1245.7	1249.3	1249.3	1248.2	1249.3	1245.7	1240.7	1237.1	1233.4	1225.9
27.5°	1219.8	1217.4	1219.8	1217.4	1219.8	1216.1	1214.9	1213.7	1208.8	1205.0	1195.2
30°	1190.3	1187.9	1190.3	1187.9	1185.4	1182.9	1176.8	1174.3	1179.2	1176.8	1160.8
32.5°	1153.4	1150.9	1153.4	1153.4	1150.9	1150.9	1141.1	1137.4	1138.6	1146.0	1131.2
35°	1115.2	1111.5	1115.2	1114.0	1115.2	1111.5	1105.4	1104.2	1099.2	1107.8	1096.7
37.5°	1070.9	1067.2	1070.9	1070.9	1070.9	1073.3	1068.5	1064.7	1057.4	1068.5	1059.8
40°	1025.3	1020.4	1025.3	1024.1	1025.3	1027.8	1025.3	1022.9	1015.5	1024.1	1016.7
42.5°	973.7	972.4	973.7	974.9	974.9	979.8	983.5	978.5	976.2	969.9	974.9
45°	918.2	915.8	918.2	920.7	921.9	924.4	935.5	935.5	931.8	921.9	929.3
47.5°	859.1	853.0	859.1	866.6	866.6	870.3	881.4	890.0	883.8	871.4	875.2
50°	796.4	797.7	796.4	801.3	801.3	814.8	823.4	832.1	838.2	823.4	806.3
52.5°	734.9	733.6	734.9	738.6	743.4	749.7	764.4	773.0	782.9	774.3	747.2
55°	673.3	675.8	673.3	674.5	677.0	680.7	702.9	711.5	729.9	718.8	690.6
57.5°	611.7	608.1	611.7	614.2	615.5	619.2	637.6	653.6	664.7	665.9	631.5
60°	540.3	535.5	540.3	551.4	553.9	556.4	573.6	588.3	598.2	601.9	566.2
62.5°	477.6	468.9	477.6	485.0	489.9	496.0	508.4	530.5	539.1	540.3	489.9
65°	411.1	407.5	411.1	425.9	427.1	434.5	448.0	464.1	482.5	480.0	407.5
67.5°	350.8	350.8	350.8	360.7	368.1	371.8	389.0	396.4	419.8	422.2	339.7
70°	295.4	294.2	295.4	302.8	307.7	316.3	332.4	340.9	359.5	365.6	275.8
72.5°	242.5	241.3	242.5	248.6	253.6	261.0	274.5	284.3	300.4	307.7	214.2
75°	195.7	193.3	195.7	200.6	199.4	209.2	220.3	230.2	244.9	249.9	158.8
77.5°	150.1	150.1	150.1	155.1	155.1	164.9	169.9	182.2	190.8	198.2	116.9
80°	112.1	110.8	112.1	113.2	113.2	118.2	126.8	135.4	142.8	142.8	80.0
82.5°	78.7	76.4	78.7	78.7	78.7	81.2	86.2	88.6	93.5	97.3	50.5
85°	49.3	49.3	49.3	50.5	49.3	51.7	53.0	55.4	55.4	53.0	30.7
87.5°	32.0	30.7	32.0	30.7	30.7	29.5	29.5	29.5	28.4	27.1	17.3
90°	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8	50.4	32.0
92.5°	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2	310.6	221.0
95°	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4	764.3	430.4
97.5°	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9	1029.6	472.8
100°	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7	1126.1	508.3
102.5°	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7	1170.3	543.7
105°	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0	1203.1	596.4
107.5°	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6	1209.2	674.2
110°	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2	1200.1	717.7



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8	1200.4	770.4
115°	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3	1211.5	849.4
117.5°	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6	1234.0	926.1
120°	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8	1252.4	970.7
122.5°	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1	1278.7	1023.4
125°	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7	1314.1	1091.0
127.5°	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6	1349.7	1156.2
130°	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1	1375.6	1199.7
132.5°	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8	1396.6	1235.2
135°	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3	1419.5	1276.4
137.5°	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2	1453.8	1329.0
140°	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8	1474.8	1364.5
142.5°	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7	1492.4	1390.9
145°	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7	1515.3	1431.0
147.5°	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9	1548.9	1481.3
150°	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7	1566.3	1507.6
152.5°	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5	1577.9	1524.8
155°	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9	1603.0	1562.6
157.5°	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3	1628.2	1600.4
160°	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1	1639.6	1617.5
162.5°	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2	1651.9	1635.9
165°	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0	1669.4	1662.1
167.5°	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3	1683.1	1677.1
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1	1694.6	1694.2
172.5°	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6	1702.2	1705.6
177.5°	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4	1703.0	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1319.6	1312.1	1312.1	1299.8	1295.0	1291.2	1285.0	1266.6	1261.6	1256.8	1264.1
5°	1330.7	1317.1	1307.3	1285.0	1266.6	1259.3	1235.9	1191.5	1162.0	1139.8	1127.5
7.5°	1333.0	1315.9	1297.3	1262.9	1218.6	1198.9	1127.5	1046.3	1024.1	1004.4	992.1
10°	1330.7	1310.9	1285.0	1233.4	1128.8	1094.3	1022.9	969.9	956.4	952.8	956.4
12.5°	1322.0	1303.5	1267.8	1181.7	1035.2	1011.9	969.9	939.2	936.7	942.8	976.2
15°	1307.3	1290.0	1248.2	1112.7	983.5	966.2	936.7	925.7	939.2	982.3	1082.0
17.5°	1292.5	1272.8	1221.1	1045.1	944.1	931.8	910.9	933.0	1009.4	1067.2	1100.4
20°	1272.8	1249.3	1190.3	995.8	915.8	904.8	894.8	994.6	1052.4	1073.3	1091.8
22.5°	1249.3	1224.8	1148.4	961.4	886.2	877.7	883.8	1029.0	1052.4	1067.2	1083.2
25°	1218.6	1197.7	1099.2	934.3	862.9	853.0	876.4	1025.3	1038.9	1042.6	1074.6
27.5°	1190.3	1163.2	1047.5	909.6	834.6	830.9	882.5	1009.4	1019.2	1022.9	1057.4
30°	1155.8	1115.2	989.6	883.8	805.0	803.8	883.8	989.6	987.2	997.1	1031.5
32.5°	1120.1	1043.8	924.4	851.8	776.7	775.5	875.2	960.1	957.6	971.2	997.1
35°	1086.9	988.4	835.7	814.8	741.0	742.2	854.3	925.7	926.9	939.2	955.2
37.5°	1052.4	940.5	738.6	774.3	706.5	706.5	825.9	893.7	891.2	894.8	917.1
40°	1011.9	865.3	652.4	721.3	674.5	670.8	791.5	859.1	850.5	849.3	880.1
42.5°	968.7	782.9	588.3	651.2	637.6	632.7	749.7	817.3	801.3	805.0	844.4
45°	921.9	760.7	539.1	550.2	599.4	595.8	704.1	769.3	758.2	768.1	808.7
47.5°	875.2	716.4	523.2	456.6	558.9	557.6	653.6	722.5	716.4	726.3	769.3
50°	811.2	667.2	521.9	391.4	513.3	518.2	593.3	677.0	677.0	685.6	731.1
52.5°	728.7	606.9	473.9	354.5	460.3	475.1	540.3	637.6	640.1	648.7	689.3
55°	653.6	544.1	439.4	326.1	397.5	429.6	488.7	597.0	601.9	610.5	647.4
57.5°	584.7	453.0	432.1	292.9	339.7	370.5	443.2	557.6	560.1	567.4	603.1
60°	510.8	327.4	396.4	257.2	289.3	312.7	401.3	510.8	519.4	524.4	555.1
62.5°	427.1	237.6	359.5	232.6	264.7	269.5	366.8	466.6	477.6	481.3	499.8
65°	304.0	199.4	305.2	211.7	238.8	240.1	329.9	420.9	430.9	437.0	450.5
67.5°	205.6	162.5	232.6	192.0	219.1	220.3	294.2	368.1	381.6	386.5	395.2
70°	142.8	108.3	172.3	171.1	196.9	199.4	256.0	320.0	332.4	336.1	340.9
72.5°	104.6	87.4	142.8	153.9	173.5	176.0	216.7	265.9	278.2	281.9	284.3
75°	80.0	92.3	115.7	134.2	147.7	148.9	177.2	216.7	225.3	227.7	229.0
77.5°	64.0	86.2	85.0	108.3	120.6	118.2	139.1	167.4	174.8	174.8	174.8
80°	48.0	67.7	64.0	77.5	88.6	86.2	99.7	119.4	121.9	124.3	123.1
82.5°	35.7	43.0	43.0	49.3	59.1	56.6	66.4	77.5	77.5	77.5	80.0
85°	22.1	24.6	19.7	25.9	33.2	32.0	36.9	41.8	43.0	43.0	40.7
87.5°	13.6	11.1	6.1	9.8	14.8	14.8	17.3	18.4	17.3	17.3	17.3
90°	29.7	20.6	11.5	20.6	29.7	32.0	50.4	74.8	87.0	77.4	58.0
92.5°	201.5	123.6	45.8	123.6	201.5	221.0	310.6	430.2	490.0	429.4	308.3
95°	394.8	252.4	109.9	252.4	394.8	430.4	764.3	1209.4	1432.1	1277.9	969.6
97.5°	441.4	315.7	190.1	315.7	441.4	472.8	1029.6	1771.9	2143.0	2045.5	1850.7
100°	479.8	365.8	251.8	365.8	479.8	508.3	1126.1	1949.7	2361.6	2368.8	2383.0
102.5°	517.1	410.9	304.5	410.9	517.1	543.7	1170.3	2005.7	2423.4	2547.6	2795.8
105°	573.9	483.8	393.8	483.8	573.9	596.4	1203.1	2012.0	2416.6	2694.9	3251.5
107.5°	653.2	569.3	485.4	569.3	653.2	674.2	1209.2	1922.6	2279.2	2667.4	3443.8
110°	698.8	623.0	547.2	623.0	698.8	717.7	1200.1	1843.2	2164.8	2598.7	3466.7



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	752.3	680.1	607.9	680.1	752.3	770.4	1200.4	1773.8	2060.5	2504.7	3393.0
115°	832.7	766.1	699.5	766.1	832.7	849.4	1211.5	1694.3	1935.8	2363.6	3219.4
117.5°	911.0	850.4	789.9	850.4	911.0	926.1	1234.0	1644.6	1849.9	2236.1	3008.4
120°	956.5	899.5	842.5	899.5	956.5	970.7	1252.4	1627.8	1815.6	2168.4	2874.1
122.5°	1009.0	951.6	894.0	951.6	1009.0	1023.4	1278.7	1619.1	1789.2	2106.9	2742.4
125°	1077.8	1025.4	973.0	1025.4	1077.8	1091.0	1314.1	1611.7	1760.6	2030.5	2570.3
127.5°	1143.0	1090.0	1037.2	1090.0	1143.0	1156.2	1349.7	1607.6	1736.6	1968.3	2431.8
130°	1185.5	1128.5	1071.5	1128.5	1185.5	1199.7	1375.6	1610.1	1727.4	1933.7	2346.4
132.5°	1221.0	1164.0	1107.0	1164.0	1221.0	1235.2	1396.6	1611.8	1719.4	1904.0	2273.4
135°	1263.5	1211.5	1159.6	1211.5	1263.5	1276.4	1419.5	1610.3	1705.6	1860.4	2169.7
137.5°	1316.2	1264.9	1213.5	1264.9	1316.2	1329.0	1453.8	1620.2	1703.4	1834.2	2095.6
140°	1352.7	1305.4	1258.1	1305.4	1352.7	1364.5	1474.8	1621.8	1695.3	1808.3	2034.3
142.5°	1379.9	1336.2	1292.4	1336.2	1379.9	1390.9	1492.4	1627.7	1695.3	1794.6	1993.0
145°	1421.4	1383.2	1345.1	1383.2	1421.4	1431.0	1515.3	1627.7	1683.9	1765.0	1927.3
147.5°	1472.1	1434.9	1397.7	1434.9	1472.1	1481.3	1548.9	1638.9	1683.9	1747.8	1875.4
150°	1499.2	1465.7	1432.1	1465.7	1499.2	1507.6	1566.3	1644.7	1683.9	1737.8	1845.7
152.5°	1518.5	1493.0	1467.6	1493.0	1518.5	1524.8	1577.9	1648.5	1683.9	1729.9	1822.0
155°	1557.9	1539.1	1520.3	1539.1	1557.9	1562.6	1603.0	1656.9	1683.9	1720.5	1793.8
157.5°	1595.8	1577.5	1559.2	1577.5	1595.8	1600.4	1628.2	1665.3	1683.9	1712.4	1769.4
160°	1614.0	1599.7	1585.5	1599.7	1614.0	1617.5	1639.6	1669.1	1683.9	1708.3	1757.2
162.5°	1633.2	1622.5	1611.8	1622.5	1633.2	1635.9	1651.9	1673.2	1683.9	1704.5	1745.7
165°	1659.7	1650.0	1640.4	1650.0	1659.7	1662.1	1669.4	1679.0	1683.9	1698.7	1728.2
167.5°	1675.9	1671.3	1666.7	1671.3	1675.9	1677.1	1683.1	1691.3	1695.3	1705.0	1724.3
170°	1693.1	1688.5	1683.9	1688.5	1693.1	1694.2	1694.6	1695.1	1695.3	1705.0	1724.3
172.5°	1695.1	1694.1	1693.1	1694.1	1695.1	1695.3	1695.3	1695.3	1695.3	1703.0	1718.2
175°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1702.2	1697.6	1695.3	1700.2	1709.8
177.5°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1703.0	1699.4	1697.6	1701.5	1709.1
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1255.5	1251.8	1256.8	1243.2	1256.8	1251.8	1255.5	1264.1	1256.8	1261.6	1266.6
5°	1101.7	1095.5	1075.8	1059.8	1075.8	1095.5	1101.7	1127.5	1139.8	1162.0	1191.5
7.5°	984.7	979.8	974.9	965.0	974.9	979.8	984.7	992.1	1004.4	1024.1	1046.3
10°	958.9	960.1	967.5	966.2	967.5	960.1	958.9	956.4	952.8	956.4	969.9
12.5°	1025.3	1036.4	1077.0	1074.6	1077.0	1036.4	1025.3	976.2	942.8	936.7	939.2
15°	1101.7	1105.4	1114.0	1115.2	1114.0	1105.4	1101.7	1082.0	982.3	939.2	925.7
17.5°	1109.0	1110.3	1116.5	1116.5	1116.5	1110.3	1109.0	1100.4	1067.2	1009.4	933.0
20°	1102.9	1105.4	1117.7	1120.1	1117.7	1105.4	1102.9	1091.8	1073.3	1052.4	994.6
22.5°	1100.4	1105.4	1115.2	1114.0	1115.2	1105.4	1100.4	1083.2	1067.2	1052.4	1029.0
25°	1088.1	1088.1	1089.4	1090.6	1089.4	1088.1	1088.1	1074.6	1042.6	1038.9	1025.3
27.5°	1062.2	1064.7	1072.1	1070.9	1072.1	1064.7	1062.2	1057.4	1022.9	1019.2	1009.4
30°	1038.9	1036.4	1030.3	1025.3	1030.3	1036.4	1038.9	1031.5	997.1	987.2	989.6
32.5°	999.5	993.3	987.2	983.5	987.2	993.3	999.5	997.1	971.2	957.6	960.1
35°	952.8	953.9	952.8	949.0	952.8	953.9	952.8	955.2	939.2	926.9	925.7
37.5°	919.5	921.9	920.7	915.8	920.7	921.9	919.5	917.1	894.8	891.2	893.7
40°	885.0	886.2	885.0	881.4	885.0	886.2	885.0	880.1	849.3	850.5	859.1
42.5°	851.8	850.5	846.8	844.4	846.8	850.5	851.8	844.4	805.0	801.3	817.3
45°	813.6	814.8	807.5	803.8	807.5	814.8	813.6	808.7	768.1	758.2	769.3
47.5°	775.5	775.5	769.3	765.6	769.3	775.5	775.5	769.3	726.3	716.4	722.5
50°	734.9	733.6	725.0	723.8	725.0	733.6	734.9	731.1	685.6	677.0	677.0
52.5°	688.1	688.1	689.3	691.8	689.3	688.1	688.1	689.3	648.7	640.1	637.6
55°	647.4	648.7	657.3	659.7	657.3	648.7	647.4	647.4	610.5	601.9	597.0
57.5°	605.6	605.6	611.7	611.7	611.7	605.6	605.6	603.1	567.4	560.1	557.6
60°	557.6	560.1	565.0	563.7	565.0	560.1	557.6	555.1	524.4	519.4	510.8
62.5°	507.1	509.6	510.8	508.4	510.8	509.6	507.1	499.8	481.3	477.6	466.6
65°	454.2	456.6	457.9	455.5	457.9	456.6	454.2	450.5	437.0	430.9	420.9
67.5°	400.0	398.8	397.5	402.5	397.5	398.8	400.0	395.2	386.5	381.6	368.1
70°	344.7	344.7	343.4	345.9	343.4	344.7	344.7	340.9	336.1	332.4	320.0
72.5°	285.6	284.3	289.3	285.6	289.3	284.3	285.6	284.3	281.9	278.2	265.9
75°	227.7	230.2	227.7	231.4	227.7	230.2	227.7	229.0	227.7	225.3	216.7
77.5°	173.5	176.0	173.5	173.5	173.5	176.0	173.5	174.8	174.8	174.8	167.4
80°	123.1	121.9	121.9	120.6	121.9	121.9	123.1	123.1	124.3	121.9	119.4
82.5°	78.7	77.5	77.5	80.0	77.5	77.5	78.7	80.0	77.5	77.5	77.5
85°	43.0	44.3	41.8	41.8	41.8	44.3	43.0	40.7	43.0	43.0	41.8
87.5°	16.0	14.8	14.8	14.8	14.8	14.8	16.0	17.3	17.3	17.3	18.4
90°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	58.0	77.4	87.0	74.8
92.5°	217.5	208.9	174.3	139.7	174.3	208.9	217.5	308.3	429.4	490.0	430.2
95°	738.4	712.1	607.3	502.5	607.3	712.1	738.4	969.6	1277.9	1432.1	1209.4
97.5°	1704.5	1654.7	1455.2	1255.8	1455.2	1654.7	1704.5	1850.7	2045.5	2143.0	1771.9
100°	2393.6	2334.2	2096.7	1859.1	2096.7	2334.2	2393.6	2383.0	2368.8	2361.6	1949.7
102.5°	2982.0	2931.2	2727.7	2524.2	2727.7	2931.2	2982.0	2795.8	2547.6	2423.4	2005.7
105°	3668.9	3641.6	3532.2	3422.8	3532.2	3641.6	3668.9	3251.5	2694.9	2416.6	2012.0
107.5°	4026.1	4032.7	4059.1	4085.6	4059.1	4032.7	4026.1	3443.8	2667.4	2279.2	1922.6
110°	4117.7	4146.1	4260.1	4374.1	4260.1	4146.1	4117.7	3466.7	2598.7	2164.8	1843.2



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4059.2	4103.0	4278.0	4453.0	4278.0	4103.0	4059.2	3393.0	2504.7	2060.5	1773.8
115°	3861.2	3921.9	4164.6	4407.2	4164.6	3921.9	3861.2	3219.4	2363.6	1935.8	1694.3
117.5°	3587.6	3654.9	3924.1	4193.2	3924.1	3654.9	3587.6	3008.4	2236.1	1849.9	1644.6
120°	3403.4	3468.7	3730.2	3991.7	3730.2	3468.7	3403.4	2874.1	2168.4	1815.6	1627.8
122.5°	3219.0	3283.5	3541.5	3799.4	3541.5	3283.5	3219.0	2742.4	2106.9	1789.2	1619.1
125°	2975.2	3034.5	3272.2	3509.8	3272.2	3034.5	2975.2	2570.3	2030.5	1760.6	1611.7
127.5°	2779.4	2829.5	3030.0	3230.5	3030.0	2829.5	2779.4	2431.8	1968.3	1736.6	1607.6
130°	2655.8	2702.2	2887.3	3072.5	2887.3	2702.2	2655.8	2346.4	1933.7	1727.4	1610.1
132.5°	2550.5	2591.9	2757.8	2923.7	2757.8	2591.9	2550.5	2273.4	1904.0	1719.4	1611.8
135°	2401.7	2437.4	2580.4	2723.4	2580.4	2437.4	2401.7	2169.7	1860.4	1705.6	1610.3
137.5°	2291.8	2321.0	2438.0	2555.0	2438.0	2321.0	2291.8	2095.6	1834.2	1703.4	1620.2
140°	2203.7	2231.0	2340.4	2449.8	2340.4	2231.0	2203.7	2034.3	1808.3	1695.3	1621.8
142.5°	2141.8	2165.3	2259.5	2353.6	2259.5	2165.3	2141.8	1993.0	1794.6	1695.3	1627.7
145°	2049.1	2066.9	2138.1	2209.4	2138.1	2066.9	2049.1	1927.3	1765.0	1683.9	1627.7
147.5°	1971.2	1986.0	2045.0	2104.0	2045.0	1986.0	1971.2	1875.4	1747.8	1683.9	1638.9
150°	1926.6	1938.5	1986.4	2034.3	1986.4	1938.5	1926.6	1845.7	1737.8	1683.9	1644.7
152.5°	1891.1	1900.1	1936.2	1972.4	1936.2	1900.1	1891.1	1822.0	1729.9	1683.9	1648.5
155°	1848.8	1854.8	1878.7	1902.6	1878.7	1854.8	1848.8	1793.8	1720.5	1683.9	1656.9
157.5°	1812.2	1816.4	1833.1	1849.9	1833.1	1816.4	1812.2	1769.4	1712.4	1683.9	1665.3
160°	1793.8	1796.2	1805.9	1815.6	1805.9	1796.2	1793.8	1757.2	1708.3	1683.9	1669.1
162.5°	1776.7	1779.0	1788.0	1797.2	1788.0	1779.0	1776.7	1745.7	1704.5	1683.9	1673.2
165°	1750.3	1752.7	1762.4	1772.1	1762.4	1752.7	1750.3	1728.2	1698.7	1683.9	1679.0
167.5°	1738.8	1739.9	1744.0	1748.0	1744.0	1739.9	1738.8	1724.3	1705.0	1695.3	1691.3
170°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1724.3	1705.0	1695.3	1695.1
172.5°	1729.7	1728.8	1725.3	1721.7	1725.3	1728.8	1729.7	1718.2	1703.0	1695.3	1695.3
175°	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1717.1	1709.8	1700.2	1695.3	1697.6
177.5°	1714.8	1713.8	1709.7	1705.6	1709.7	1713.8	1714.8	1709.1	1701.5	1697.6	1699.4
180°	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1285.0	1291.2	1295.0	1299.8	1312.1
5°	1235.9	1259.3	1266.6	1285.0	1307.3
7.5°	1127.5	1198.9	1218.6	1262.9	1297.3
10°	1022.9	1094.3	1128.8	1233.4	1285.0
12.5°	969.9	1011.9	1035.2	1181.7	1267.8
15°	936.7	966.2	983.5	1112.7	1248.2
17.5°	910.9	931.8	944.1	1045.1	1221.1
20°	894.8	904.8	915.8	995.8	1190.3
22.5°	883.8	877.7	886.2	961.4	1148.4
25°	876.4	853.0	862.9	934.3	1099.2
27.5°	882.5	830.9	834.6	909.6	1047.5
30°	883.8	803.8	805.0	883.8	989.6
32.5°	875.2	775.5	776.7	851.8	924.4
35°	854.3	742.2	741.0	814.8	835.7
37.5°	825.9	706.5	706.5	774.3	738.6
40°	791.5	670.8	674.5	721.3	652.4
42.5°	749.7	632.7	637.6	651.2	588.3
45°	704.1	595.8	599.4	550.2	539.1
47.5°	653.6	557.6	558.9	456.6	523.2
50°	593.3	518.2	513.3	391.4	521.9
52.5°	540.3	475.1	460.3	354.5	473.9
55°	488.7	429.6	397.5	326.1	439.4
57.5°	443.2	370.5	339.7	292.9	432.1
60°	401.3	312.7	289.3	257.2	396.4
62.5°	366.8	269.5	264.7	232.6	359.5
65°	329.9	240.1	238.8	211.7	305.2
67.5°	294.2	220.3	219.1	192.0	232.6
70°	256.0	199.4	196.9	171.1	172.3
72.5°	216.7	176.0	173.5	153.9	142.8
75°	177.2	148.9	147.7	134.2	115.7
77.5°	139.1	118.2	120.6	108.3	85.0
80°	99.7	86.2	88.6	77.5	64.0
82.5°	66.4	56.6	59.1	49.3	43.0
85°	36.9	32.0	33.2	25.9	19.7
87.5°	17.3	14.8	14.8	9.8	6.1
90°	50.4	32.0	29.7	20.6	11.5
92.5°	310.6	221.0	201.5	123.6	45.8
95°	764.3	430.4	394.8	252.4	109.9
97.5°	1029.6	472.8	441.4	315.7	190.1
100°	1126.1	508.3	479.8	365.8	251.8
102.5°	1170.3	543.7	517.1	410.9	304.5
105°	1203.1	596.4	573.9	483.8	393.8
107.5°	1209.2	674.2	653.2	569.3	485.4
110°	1200.1	717.7	698.8	623.0	547.2



TEST NUMBER: P935868

CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1200.4	770.4	752.3	680.1	607.9
115°	1211.5	849.4	832.7	766.1	699.5
117.5°	1234.0	926.1	911.0	850.4	789.9
120°	1252.4	970.7	956.5	899.5	842.5
122.5°	1278.7	1023.4	1009.0	951.6	894.0
125°	1314.1	1091.0	1077.8	1025.4	973.0
127.5°	1349.7	1156.2	1143.0	1090.0	1037.2
130°	1375.6	1199.7	1185.5	1128.5	1071.5
132.5°	1396.6	1235.2	1221.0	1164.0	1107.0
135°	1419.5	1276.4	1263.5	1211.5	1159.6
137.5°	1453.8	1329.0	1316.2	1264.9	1213.5
140°	1474.8	1364.5	1352.7	1305.4	1258.1
142.5°	1492.4	1390.9	1379.9	1336.2	1292.4
145°	1515.3	1431.0	1421.4	1383.2	1345.1
147.5°	1548.9	1481.3	1472.1	1434.9	1397.7
150°	1566.3	1507.6	1499.2	1465.7	1432.1
152.5°	1577.9	1524.8	1518.5	1493.0	1467.6
155°	1603.0	1562.6	1557.9	1539.1	1520.3
157.5°	1628.2	1600.4	1595.8	1577.5	1559.2
160°	1639.6	1617.5	1614.0	1599.7	1585.5
162.5°	1651.9	1635.9	1633.2	1622.5	1611.8
165°	1669.4	1662.1	1659.7	1650.0	1640.4
167.5°	1683.1	1677.1	1675.9	1671.3	1666.7
170°	1694.6	1694.2	1693.1	1688.5	1683.9
172.5°	1695.3	1695.3	1695.1	1694.1	1693.1
175°	1702.2	1705.6	1705.6	1705.6	1705.6
177.5°	1703.0	1705.6	1705.6	1705.6	1705.6
180°	1705.6	1705.6	1705.6	1705.6	1705.6



TEST NUMBER: P935868
 CATALOG NUMBER: SQ4-FA-150U-050D-93050-1D-UNV-STD-W-8-5000K

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	7.84	8.51	9.00	9.65	11.26	10.68	11.35	11.84	12.49	14.10
	3H	8.31	8.90	9.47	10.05	11.67	12.01	12.61	13.18	13.76	15.38
	4H	8.49	9.05	9.66	10.20	11.83	12.45	13.02	13.62	14.17	15.79
	6H	8.60	9.12	9.78	10.27	11.91	12.73	13.25	13.91	14.40	16.04
	8H	8.59	9.09	9.77	10.25	11.88	12.80	13.29	13.98	14.46	16.09
	12H	8.55	9.02	9.74	10.19	11.84	12.83	13.30	14.02	14.46	16.11
4H	2H	8.85	9.42	10.03	10.57	12.20	11.07	11.63	12.25	12.78	14.41
	3H	9.86	10.33	11.05	11.51	13.15	12.55	13.03	13.74	14.20	15.84
	4H	10.13	10.56	11.32	11.73	13.38	13.08	13.51	14.26	14.67	16.33
	6H	10.24	10.61	11.43	11.80	13.45	13.43	13.80	14.62	14.99	16.64
	8H	10.24	10.59	11.43	11.77	13.43	13.53	13.88	14.72	15.06	16.72
	12H	10.20	10.52	11.41	11.71	13.37	13.58	13.90	14.79	15.09	16.75
8H	4H	10.57	10.91	11.76	12.09	13.76	13.18	13.53	14.37	14.71	16.37
	6H	10.82	11.11	12.03	12.33	13.99	13.61	13.90	14.82	15.12	16.78
	8H	10.86	11.11	12.08	12.31	13.99	13.77	14.01	14.98	15.21	16.89
	12H	10.84	11.06	12.05	12.25	13.96	13.86	14.07	15.07	15.27	16.98
12H	4H	10.57	10.88	11.77	12.07	13.74	13.14	13.45	14.34	14.64	16.31
	6H	10.88	11.13	12.09	12.33	14.01	13.61	13.86	14.82	15.06	16.74
	8H	10.94	11.16	12.16	12.35	14.06	13.76	13.98	14.98	15.18	16.89