

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: P936160

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

Issue Date: 12/17/2024

**Test Information**

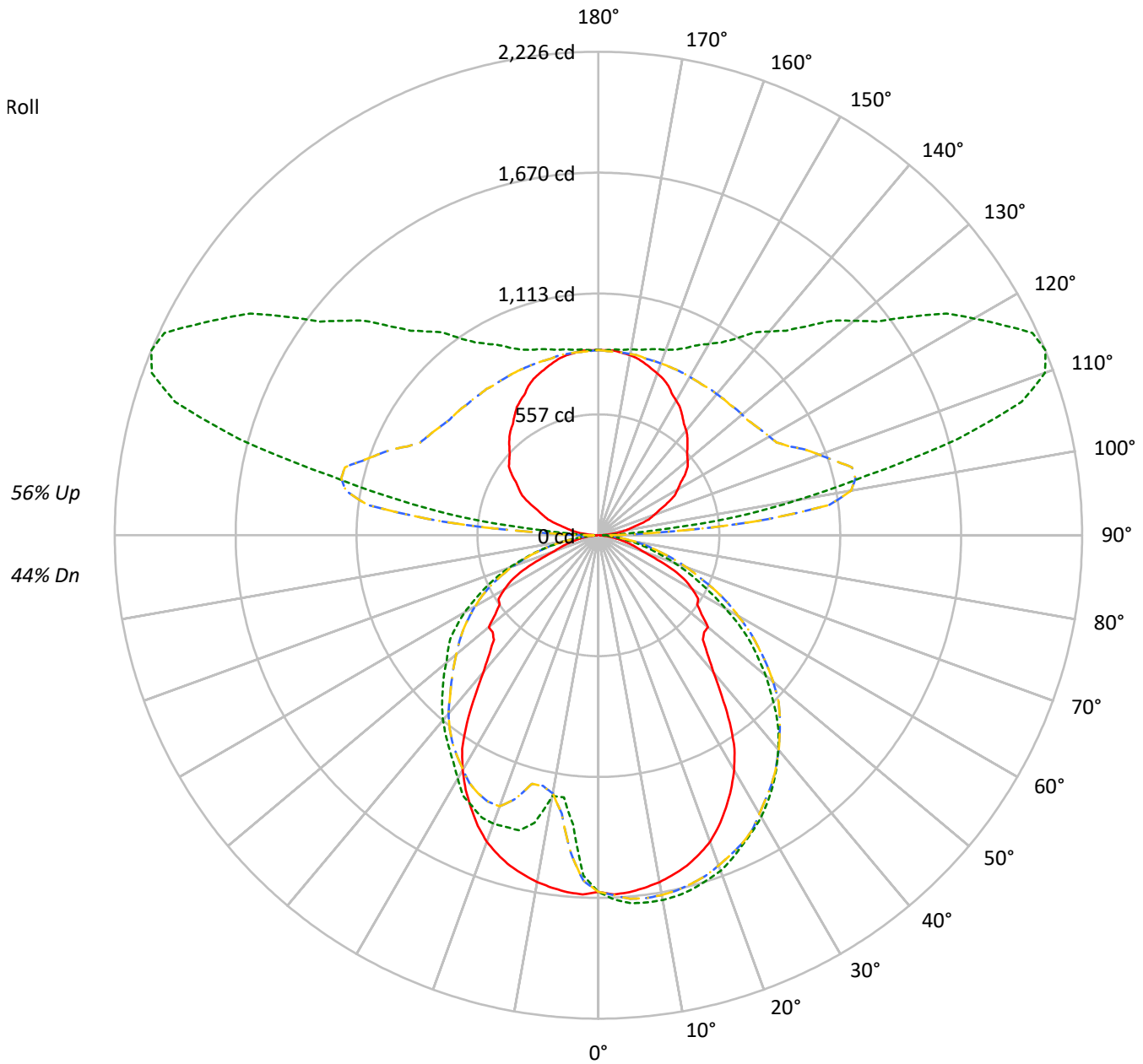
Test Method: LM-79-2019  
Report Number: P936160  
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9788.2 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 83.2  
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: P936160  
CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11

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

	0°	90°	180°	270°
0°	15233	15233	15233	15233
5°	15329	15377	15329	12091
10°	15210	15147	15210	10829
15°	15028	14819	15028	12373
20°	14696	14430	14696	12400
25°	14035	13862	14035	12137
30°	13188	13392	13188	11560
35°	11740	12796	11740	10926
40°	9766	12095	9766	10447
45°	8708	11275	8708	9896
50°	9230	10296	9230	9343
55°	8661	9242	8661	9023
60°	8896	7850	8896	8265
65°	8027	6489	8027	7254
70°	5519	5171	5519	6080
75°	4788	3822	4788	4578
80°	3782	2528	3782	2752
85°	2062	1338	2062	1138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13373 cd/sqm



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.2	1.5
10°-20°	420.7	4.3
20°-30°	650.4	6.6
30°-40°	776.4	7.9
40°-50°	780.9	8.0
50°-60°	679.5	6.9
60°-70°	481.8	4.9
70°-80°	254.9	2.6
80°-90°	66.7	0.7
90°-100°	415.7	4.2
100°-110°	1093.0	11.2
110°-120°	1133.3	11.6
120°-130°	909.0	9.3
130°-140°	713.2	7.3
140°-150°	547.5	5.6
150°-160°	394.3	4.0
160°-170°	241.2	2.5
170°-180°	81.5	0.8
0°-30°	1219.3	12.5
0°-40°	1995.6	20.4
0°-60°	3456.1	35.3
0°-90°	4259.5	43.5
90°-120°	2642.0	27.0
90°-150°	4811.7	49.2
90°-180°	5529.0	56.5
0°-180°	9788.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1642	1642	1642	1642	1642	
5°	1649	1701	1649	1337	1649	156
15°	1575	1685	1575	1407	1575	443
25°	1387	1572	1387	1376	1387	637
35°	1054	1402	1054	1197	1054	652
45°	680	1156	680	1014	680	545
55°	554	853	554	832	554	509
65°	385	514	385	575	385	368
75°	146	244	146	292	146	153
85°	25	62	25	53	25	34
90°	6	22	6	22	6	6
95°	55	251	55	251	55	61
105°	197	1711	197	1711	197	209
115°	350	2204	350	2204	350	345
125°	487	1755	487	1755	487	432
135°	580	1362	580	1362	580	449
145°	673	1105	673	1105	673	421
155°	760	951	760	951	760	349
165°	820	886	820	886	820	231
175°	853	859	853	859	853	81
180°	853	853	853	853	853	



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1655.5	1655.5	1664.9	1668.0	1668.0	1663.3	1658.6	1663.3	1677.3	1682.0	1680.4
5°	1649.3	1661.8	1678.8	1682.0	1685.1	1683.5	1680.4	1683.5	1699.0	1702.1	1703.7
7.5°	1636.9	1660.2	1682.0	1686.6	1691.2	1686.6	1685.1	1688.2	1703.7	1706.8	1706.8
10°	1621.4	1654.0	1678.8	1682.0	1686.6	1682.0	1682.0	1688.2	1703.7	1706.8	1708.4
12.5°	1599.6	1644.7	1668.0	1671.0	1677.3	1675.7	1674.2	1680.4	1695.9	1699.0	1699.0
15°	1574.8	1627.6	1649.3	1652.4	1663.3	1660.2	1660.2	1666.4	1683.5	1688.2	1686.6
17.5°	1540.6	1605.9	1630.7	1635.3	1643.1	1641.6	1643.1	1649.3	1664.9	1668.0	1669.5
20°	1501.8	1576.3	1605.9	1610.5	1618.3	1618.3	1618.3	1626.1	1641.6	1647.8	1647.8
22.5°	1448.9	1545.3	1576.3	1579.4	1588.7	1588.7	1591.8	1602.8	1616.7	1618.3	1618.3
25°	1386.8	1511.1	1537.5	1546.9	1556.1	1560.8	1565.5	1571.6	1576.3	1574.8	1576.3
27.5°	1321.7	1467.6	1501.8	1508.0	1520.4	1525.1	1531.3	1532.8	1534.4	1539.1	1535.9
30°	1248.6	1407.0	1458.3	1464.5	1484.7	1487.8	1481.6	1484.7	1492.4	1495.6	1498.7
32.5°	1166.3	1317.0	1413.3	1427.2	1445.9	1436.6	1435.0	1439.7	1452.1	1452.1	1455.2
35°	1054.5	1247.1	1371.3	1383.8	1397.7	1386.8	1393.1	1394.6	1402.4	1407.0	1405.5
37.5°	931.8	1186.5	1327.8	1337.2	1348.0	1334.1	1343.4	1348.0	1354.2	1351.1	1351.1
40°	823.1	1091.8	1276.6	1282.8	1292.1	1281.3	1290.6	1293.7	1296.8	1293.7	1292.1
42.5°	742.3	987.7	1222.3	1230.0	1223.7	1231.5	1234.7	1240.9	1236.2	1230.0	1230.0
45°	680.2	959.8	1163.2	1172.5	1163.2	1175.7	1180.3	1180.3	1166.3	1163.2	1161.7
47.5°	660.0	903.8	1104.2	1104.2	1099.6	1115.1	1122.8	1112.0	1098.0	1093.3	1093.3
50°	658.4	841.7	1023.4	1017.3	1039.0	1057.6	1049.8	1039.0	1028.1	1011.0	1011.0
52.5°	597.9	765.6	919.4	942.7	976.9	987.7	975.3	964.4	945.8	938.1	931.8
55°	554.5	686.4	824.6	871.3	907.0	920.9	897.7	886.8	858.9	854.2	851.1
57.5°	545.1	571.5	737.7	796.7	840.1	838.7	824.6	804.5	781.1	776.6	775.0
60°	500.1	413.1	644.5	714.4	759.4	754.8	742.3	723.7	701.9	698.8	695.8
62.5°	453.5	299.7	538.9	618.1	681.8	680.2	669.4	641.4	625.9	618.1	611.9
65°	385.2	251.6	383.6	514.1	605.7	608.8	585.5	565.3	548.2	538.9	537.3
67.5°	293.5	205.0	259.3	428.7	532.7	529.6	500.1	490.8	469.0	464.4	455.1
70°	217.4	136.6	180.1	347.9	461.2	453.5	430.2	419.3	399.1	388.3	382.0
72.5°	180.1	110.3	132.0	270.3	388.3	378.9	358.7	346.3	329.3	319.9	313.7
75°	146.0	116.5	100.9	200.3	315.2	309.1	290.5	278.0	264.0	251.6	253.1
77.5°	107.2	108.7	80.8	147.6	250.1	240.7	229.9	214.3	208.1	195.7	195.7
80°	80.8	85.4	60.6	100.9	180.1	180.1	170.9	160.0	149.1	142.9	142.9
82.5°	54.3	54.3	45.1	63.7	122.7	118.0	111.8	108.7	102.5	99.4	99.4
85°	24.9	31.0	28.0	38.8	66.8	69.9	69.9	66.8	65.2	62.1	63.7
87.5°	7.8	13.9	17.1	21.7	34.1	35.7	37.3	37.3	37.3	38.8	38.8
90°	5.7	10.3	14.9	16.1	25.2	37.4	43.5	38.6	29.0	21.7	21.7
92.5°	22.9	61.8	100.8	110.5	155.3	215.0	244.9	214.6	154.2	108.7	104.4
95°	55.0	126.2	197.4	215.2	382.1	604.8	716.1	639.0	484.8	369.2	356.1
97.5°	95.0	157.8	220.7	236.4	514.7	885.9	1071.5	1022.8	925.3	852.3	827.3
100°	125.9	182.9	239.9	254.1	563.0	974.9	1180.8	1184.4	1191.5	1196.9	1167.1
102.5°	152.2	205.5	258.6	271.9	585.2	1002.9	1211.7	1273.8	1397.9	1491.1	1465.7
105°	196.9	242.0	287.0	298.3	601.5	1006.0	1208.2	1347.4	1625.7	1834.5	1820.8
107.5°	242.7	284.7	326.7	337.2	604.7	961.3	1139.6	1333.7	1721.9	2013.1	2016.4
110°	273.6	311.5	349.5	358.9	600.1	921.5	1082.3	1299.4	1733.3	2058.8	2073.1



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	303.9	340.1	376.3	385.2	600.3	887.0	1030.3	1252.4	1696.5	2029.7	2051.5
115°	349.7	383.0	416.4	424.7	605.8	847.2	967.9	1181.8	1609.7	1930.6	1961.0
117.5°	395.0	425.3	455.5	463.1	617.1	822.3	924.9	1118.0	1504.2	1793.8	1827.5
120°	421.2	449.8	478.2	485.4	626.1	813.9	907.8	1084.2	1437.0	1701.7	1734.4
122.5°	447.0	475.7	504.5	511.7	639.4	809.6	894.7	1053.5	1371.2	1609.5	1641.8
125°	486.6	512.7	539.0	545.5	657.1	805.9	880.3	1015.2	1285.1	1487.6	1517.3
127.5°	518.6	545.0	571.4	578.1	674.8	803.8	868.3	984.2	1215.9	1389.8	1414.8
130°	535.8	564.2	592.6	599.8	687.8	805.1	863.7	966.9	1173.2	1327.9	1351.0
132.5°	553.5	582.0	610.5	617.6	698.3	805.9	859.7	952.0	1136.7	1275.2	1296.0
135°	579.8	605.8	631.6	638.2	709.7	805.1	852.8	930.2	1084.8	1200.8	1218.7
137.5°	606.7	632.4	658.1	664.5	726.9	810.1	851.7	917.1	1047.8	1145.9	1160.5
140°	629.1	652.8	676.4	682.3	737.5	811.0	847.7	904.1	1017.1	1101.8	1115.5
142.5°	646.2	668.1	689.9	695.4	746.2	813.8	847.7	897.3	996.5	1071.0	1082.7
145°	672.6	691.7	710.7	715.4	757.6	813.9	842.0	882.5	963.7	1024.5	1033.4
147.5°	698.8	717.5	736.0	740.7	774.4	819.5	842.0	873.9	937.7	985.6	992.9
150°	716.1	732.9	749.6	753.8	783.2	822.3	842.0	869.0	922.8	963.3	969.3
152.5°	733.8	746.5	759.2	762.4	788.9	824.3	842.0	865.0	911.1	945.6	950.1
155°	760.1	769.6	778.9	781.3	801.5	828.5	842.0	860.3	897.0	924.4	927.4
157.5°	779.6	788.8	797.8	800.1	814.1	832.7	842.0	856.2	884.7	906.0	908.2
160°	792.7	799.9	807.0	808.8	819.9	834.6	842.0	854.2	878.6	896.9	898.1
162.5°	805.9	811.2	816.6	817.9	825.9	836.7	842.0	852.3	872.9	888.3	889.4
165°	820.2	825.0	829.9	831.1	834.7	839.6	842.0	849.3	864.1	875.1	876.3
167.5°	833.4	835.7	837.9	838.5	841.5	845.7	847.7	852.5	862.2	869.4	870.0
170°	842.0	844.3	846.6	847.1	847.3	847.6	847.7	852.5	862.2	869.4	869.4
172.5°	846.6	847.0	847.6	847.7	847.7	847.7	847.7	851.5	859.1	864.8	864.4
175°	852.8	852.8	852.8	852.8	851.1	848.8	847.7	850.1	854.9	858.6	858.6
177.5°	852.8	852.8	852.8	852.8	851.5	849.8	848.9	850.8	854.6	857.4	856.9
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1683.5	1678.8	1683.5	1680.4	1682.0	1677.3	1663.3	1658.6	1663.3	1668.0	1668.0
5°	1703.7	1700.6	1703.7	1703.7	1702.1	1699.0	1683.5	1680.4	1683.5	1685.1	1682.0
7.5°	1709.8	1705.3	1709.8	1706.8	1706.8	1703.7	1688.2	1685.1	1686.6	1691.2	1686.6
10°	1709.8	1705.3	1709.8	1708.4	1706.8	1703.7	1688.2	1682.0	1682.0	1686.6	1682.0
12.5°	1702.1	1699.0	1702.1	1699.0	1699.0	1695.9	1680.4	1674.2	1675.7	1677.3	1671.0
15°	1689.7	1685.1	1689.7	1686.6	1688.2	1683.5	1666.4	1660.2	1660.2	1663.3	1652.4
17.5°	1671.0	1664.9	1671.0	1669.5	1668.0	1664.9	1649.3	1643.1	1641.6	1643.1	1635.3
20°	1649.3	1644.7	1649.3	1647.8	1647.8	1641.6	1626.1	1618.3	1618.3	1618.3	1610.5
22.5°	1615.1	1610.5	1615.1	1618.3	1618.3	1616.7	1602.8	1591.8	1588.7	1588.7	1579.4
25°	1576.3	1571.6	1576.3	1576.3	1574.8	1576.3	1571.6	1565.5	1560.8	1556.1	1546.9
27.5°	1539.1	1535.9	1539.1	1535.9	1539.1	1534.4	1532.8	1531.3	1525.1	1520.4	1508.0
30°	1501.8	1498.7	1501.8	1498.7	1495.6	1492.4	1484.7	1481.6	1487.8	1484.7	1464.5
32.5°	1455.2	1452.1	1455.2	1455.2	1452.1	1452.1	1439.7	1435.0	1436.6	1445.9	1427.2
35°	1407.0	1402.4	1407.0	1405.5	1407.0	1402.4	1394.6	1393.1	1386.8	1397.7	1383.8
37.5°	1351.1	1346.4	1351.1	1351.1	1351.1	1354.2	1348.0	1343.4	1334.1	1348.0	1337.2
40°	1293.7	1287.4	1293.7	1292.1	1293.7	1296.8	1293.7	1290.6	1281.3	1292.1	1282.8
42.5°	1228.4	1226.9	1228.4	1230.0	1230.0	1236.2	1240.9	1234.7	1231.5	1223.7	1230.0
45°	1158.6	1155.5	1158.6	1161.7	1163.2	1166.3	1180.3	1180.3	1175.7	1163.2	1172.5
47.5°	1084.0	1076.3	1084.0	1093.3	1093.3	1098.0	1112.0	1122.8	1115.1	1099.6	1104.2
50°	1004.8	1006.3	1004.8	1011.0	1011.0	1028.1	1039.0	1049.8	1057.6	1039.0	1017.3
52.5°	927.1	925.6	927.1	931.8	938.1	945.8	964.4	975.3	987.7	976.9	942.7
55°	849.5	852.6	849.5	851.1	854.2	858.9	886.8	897.7	920.9	907.0	871.3
57.5°	771.9	767.2	771.9	775.0	776.6	781.1	804.5	824.6	838.7	840.1	796.7
60°	681.8	675.6	681.8	695.8	698.8	701.9	723.7	742.3	754.8	759.4	714.4
62.5°	602.6	591.7	602.6	611.9	618.1	625.9	641.4	669.4	680.2	681.8	618.1
65°	518.7	514.1	518.7	537.3	538.9	548.2	565.3	585.5	608.8	605.7	514.1
67.5°	442.6	442.6	442.6	455.1	464.4	469.0	490.8	500.1	529.6	532.7	428.7
70°	372.8	371.2	372.8	382.0	388.3	399.1	419.3	430.2	453.5	461.2	347.9
72.5°	306.0	304.4	306.0	313.7	319.9	329.3	346.3	358.7	378.9	388.3	270.3
75°	247.0	243.8	247.0	253.1	251.6	264.0	278.0	290.5	309.1	315.2	200.3
77.5°	189.5	189.5	189.5	195.7	195.7	208.1	214.3	229.9	240.7	250.1	147.6
80°	141.3	139.8	141.3	142.9	142.9	149.1	160.0	170.9	180.1	180.1	100.9
82.5°	99.4	96.3	99.4	99.4	99.4	102.5	108.7	111.8	118.0	122.7	63.7
85°	62.1	62.1	62.1	63.7	62.1	65.2	66.8	69.9	69.9	66.8	38.8
87.5°	40.4	38.8	40.4	38.8	38.8	37.3	37.3	37.3	35.7	34.1	21.7
90°	21.7	21.7	21.7	21.7	21.7	29.0	38.6	43.5	37.4	25.2	16.1
92.5°	87.1	69.8	87.1	104.4	108.7	154.2	214.6	244.9	215.0	155.3	110.5
95°	303.7	251.3	303.7	356.1	369.2	484.8	639.0	716.1	604.8	382.1	215.2
97.5°	727.6	627.9	727.6	827.3	852.3	925.3	1022.8	1071.5	885.9	514.7	236.4
100°	1048.4	929.5	1048.4	1167.1	1196.9	1191.5	1184.4	1180.8	974.9	563.0	254.1
102.5°	1363.9	1262.1	1363.9	1465.7	1491.1	1397.9	1273.8	1211.7	1002.9	585.2	271.9
105°	1766.1	1711.4	1766.1	1820.8	1834.5	1625.7	1347.4	1208.2	1006.0	601.5	298.3
107.5°	2029.6	2042.8	2029.6	2016.4	2013.1	1721.9	1333.7	1139.6	961.3	604.7	337.2
110°	2130.1	2187.1	2130.1	2073.1	2058.8	1733.3	1299.4	1082.3	921.5	600.1	358.9





TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2139.1	2226.5	2139.1	2051.5	2029.7	1696.5	1252.4	1030.3	887.0	600.3	385.2
115°	2082.3	2203.7	2082.3	1961.0	1930.6	1609.7	1181.8	967.9	847.2	605.8	424.7
117.5°	1962.0	2096.6	1962.0	1827.5	1793.8	1504.2	1118.0	924.9	822.3	617.1	463.1
120°	1865.1	1995.9	1865.1	1734.4	1701.7	1437.0	1084.2	907.8	813.9	626.1	485.4
122.5°	1770.8	1899.7	1770.8	1641.8	1609.5	1371.2	1053.5	894.7	809.6	639.4	511.7
125°	1636.1	1754.9	1636.1	1517.3	1487.6	1285.1	1015.2	880.3	805.9	657.1	545.5
127.5°	1515.0	1615.2	1515.0	1414.8	1389.8	1215.9	984.2	868.3	803.8	674.8	578.1
130°	1443.6	1536.2	1443.6	1351.0	1327.9	1173.2	966.9	863.7	805.1	687.8	599.8
132.5°	1378.8	1461.8	1378.8	1296.0	1275.2	1136.7	952.0	859.7	805.9	698.3	617.6
135°	1290.2	1361.7	1290.2	1218.7	1200.8	1084.8	930.2	852.8	805.1	709.7	638.2
137.5°	1219.1	1277.5	1219.1	1160.5	1145.9	1047.8	917.1	851.7	810.1	726.9	664.5
140°	1170.2	1224.8	1170.2	1115.5	1101.8	1017.1	904.1	847.7	811.0	737.5	682.3
142.5°	1129.8	1176.8	1129.8	1082.7	1071.0	996.5	897.3	847.7	813.8	746.2	695.4
145°	1069.1	1104.7	1069.1	1033.4	1024.5	963.7	882.5	842.0	813.9	757.6	715.4
147.5°	1022.5	1052.0	1022.5	992.9	985.6	937.7	873.9	842.0	819.5	774.4	740.7
150°	993.2	1017.1	993.2	969.3	963.3	922.8	869.0	842.0	822.3	783.2	753.8
152.5°	968.2	986.2	968.2	950.1	945.6	911.1	865.0	842.0	824.3	788.9	762.4
155°	939.4	951.3	939.4	927.4	924.4	897.0	860.3	842.0	828.5	801.5	781.3
157.5°	916.5	924.9	916.5	908.2	906.0	884.7	856.2	842.0	832.7	814.1	800.1
160°	902.9	907.8	902.9	898.1	896.9	878.6	854.2	842.0	834.6	819.9	808.8
162.5°	894.0	898.6	894.0	889.4	888.3	872.9	852.3	842.0	836.7	825.9	817.9
165°	881.2	886.0	881.2	876.3	875.1	864.1	849.3	842.0	839.6	834.7	831.1
167.5°	872.0	874.0	872.0	870.0	869.4	862.2	852.5	847.7	845.7	841.5	838.5
170°	869.4	869.4	869.4	869.4	869.4	862.2	852.5	847.7	847.6	847.3	847.1
172.5°	862.6	860.9	862.6	864.4	864.8	859.1	851.5	847.7	847.7	847.7	847.7
175°	858.6	858.6	858.6	858.6	858.6	854.9	850.1	847.7	848.8	851.1	852.8
177.5°	854.8	852.8	854.8	856.9	857.4	854.6	850.8	848.9	849.8	851.5	852.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1664.9	1655.5	1655.5	1640.0	1633.8	1629.1	1621.4	1598.1	1591.8	1585.7	1595.0
5°	1678.8	1661.8	1649.3	1621.4	1598.1	1588.7	1559.3	1503.4	1466.1	1438.1	1422.6
7.5°	1682.0	1660.2	1636.9	1593.4	1537.5	1512.6	1422.6	1320.1	1292.1	1267.2	1251.7
10°	1678.8	1654.0	1621.4	1556.1	1424.2	1380.7	1290.6	1223.7	1206.7	1202.1	1206.7
12.5°	1668.0	1644.7	1599.6	1490.9	1306.1	1276.6	1223.7	1184.9	1181.9	1189.6	1231.5
15°	1649.3	1627.6	1574.8	1404.0	1240.9	1219.2	1181.9	1167.9	1184.9	1239.3	1365.2
17.5°	1630.7	1605.9	1540.6	1318.5	1191.2	1175.7	1149.2	1177.2	1273.5	1346.4	1388.4
20°	1605.9	1576.3	1501.8	1256.4	1155.5	1141.5	1129.0	1254.9	1327.8	1354.2	1377.6
22.5°	1576.3	1545.3	1448.9	1212.9	1118.2	1107.3	1115.1	1298.4	1327.8	1346.4	1366.6
25°	1537.5	1511.1	1386.8	1178.8	1088.7	1076.3	1105.7	1293.7	1310.7	1315.4	1355.8
27.5°	1501.8	1467.6	1321.7	1147.7	1053.0	1048.3	1113.5	1273.5	1285.9	1290.6	1334.1
30°	1458.3	1407.0	1248.6	1115.1	1015.7	1014.1	1115.1	1248.6	1245.5	1258.0	1301.5
32.5°	1413.3	1317.0	1166.3	1074.7	980.0	978.4	1104.2	1211.4	1208.2	1225.3	1258.0
35°	1371.3	1247.1	1054.5	1028.1	934.9	936.5	1077.8	1167.9	1169.4	1184.9	1205.1
37.5°	1327.8	1186.5	931.8	976.9	891.4	891.4	1042.0	1127.5	1124.4	1129.0	1157.0
40°	1276.6	1091.8	823.1	910.1	851.1	846.4	998.6	1084.0	1073.2	1071.6	1110.4
42.5°	1222.3	987.7	742.3	821.5	804.5	798.3	945.8	1031.2	1011.0	1015.7	1065.4
45°	1163.2	959.8	680.2	694.2	756.4	751.7	888.3	970.6	956.7	969.1	1020.4
47.5°	1104.2	903.8	660.0	576.2	705.1	703.5	824.6	911.6	903.8	916.3	970.6
50°	1023.4	841.7	658.4	493.9	647.6	653.9	748.6	854.2	854.2	865.0	922.5
52.5°	919.4	765.6	597.9	447.3	580.8	599.4	681.8	804.5	807.6	818.5	869.7
55°	824.6	686.4	554.5	411.6	501.6	542.0	616.6	753.2	759.4	770.3	816.9
57.5°	737.7	571.5	545.1	369.6	428.7	467.5	559.1	703.5	706.6	716.0	761.0
60°	644.5	413.1	500.1	324.6	365.0	394.4	506.3	644.5	655.4	661.6	700.4
62.5°	538.9	299.7	453.5	293.5	333.9	340.1	462.8	588.6	602.6	607.2	630.5
65°	383.6	251.6	385.2	267.1	301.3	302.8	416.2	531.2	543.6	551.4	568.4
67.5°	259.3	205.0	293.5	242.3	276.4	278.0	371.2	464.4	481.4	487.7	498.5
70°	180.1	136.6	217.4	215.8	248.5	251.6	323.0	403.8	419.3	424.0	430.2
72.5°	132.0	110.3	180.1	194.1	219.0	222.1	273.3	335.4	351.0	355.6	358.7
75°	100.9	116.5	146.0	169.3	186.4	187.9	223.6	273.3	284.2	287.3	288.9
77.5°	80.8	108.7	107.2	136.6	152.2	149.1	175.5	211.3	220.5	220.5	220.5
80°	60.6	85.4	80.8	97.8	111.8	108.7	125.8	150.7	153.7	156.8	155.3
82.5°	45.1	54.3	54.3	62.1	74.5	71.4	83.9	97.8	97.8	97.8	100.9
85°	28.0	31.0	24.9	32.6	41.9	40.4	46.6	52.8	54.3	54.3	51.2
87.5°	17.1	13.9	7.8	12.4	18.6	18.6	21.7	23.3	21.7	21.7	21.7
90°	14.9	10.3	5.7	10.3	14.9	16.1	25.2	37.4	43.5	38.6	29.0
92.5°	100.8	61.8	22.9	61.8	100.8	110.5	155.3	215.0	244.9	214.6	154.2
95°	197.4	126.2	55.0	126.2	197.4	215.2	382.1	604.8	716.1	639.0	484.8
97.5°	220.7	157.8	95.0	157.8	220.7	236.4	514.7	885.9	1071.5	1022.8	925.3
100°	239.9	182.9	125.9	182.9	239.9	254.1	563.0	974.9	1180.8	1184.4	1191.5
102.5°	258.6	205.5	152.2	205.5	258.6	271.9	585.2	1002.9	1211.7	1273.8	1397.9
105°	287.0	242.0	196.9	242.0	287.0	298.3	601.5	1006.0	1208.2	1347.4	1625.7
107.5°	326.7	284.7	242.7	284.7	326.7	337.2	604.7	961.3	1139.6	1333.7	1721.9
110°	349.5	311.5	273.6	311.5	349.5	358.9	600.1	921.5	1082.3	1299.4	1733.3



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	376.3	340.1	303.9	340.1	376.3	385.2	600.3	887.0	1030.3	1252.4	1696.5
115°	416.4	383.0	349.7	383.0	416.4	424.7	605.8	847.2	967.9	1181.8	1609.7
117.5°	455.5	425.3	395.0	425.3	455.5	463.1	617.1	822.3	924.9	1118.0	1504.2
120°	478.2	449.8	421.2	449.8	478.2	485.4	626.1	813.9	907.8	1084.2	1437.0
122.5°	504.5	475.7	447.0	475.7	504.5	511.7	639.4	809.6	894.7	1053.5	1371.2
125°	539.0	512.7	486.6	512.7	539.0	545.5	657.1	805.9	880.3	1015.2	1285.1
127.5°	571.4	545.0	518.6	545.0	571.4	578.1	674.8	803.8	868.3	984.2	1215.9
130°	592.6	564.2	535.8	564.2	592.6	599.8	687.8	805.1	863.7	966.9	1173.2
132.5°	610.5	582.0	553.5	582.0	610.5	617.6	698.3	805.9	859.7	952.0	1136.7
135°	631.6	605.8	579.8	605.8	631.6	638.2	709.7	805.1	852.8	930.2	1084.8
137.5°	658.1	632.4	606.7	632.4	658.1	664.5	726.9	810.1	851.7	917.1	1047.8
140°	676.4	652.8	629.1	652.8	676.4	682.3	737.5	811.0	847.7	904.1	1017.1
142.5°	689.9	668.1	646.2	668.1	689.9	695.4	746.2	813.8	847.7	897.3	996.5
145°	710.7	691.7	672.6	691.7	710.7	715.4	757.6	813.9	842.0	882.5	963.7
147.5°	736.0	717.5	698.8	717.5	736.0	740.7	774.4	819.5	842.0	873.9	937.7
150°	749.6	732.9	716.1	732.9	749.6	753.8	783.2	822.3	842.0	869.0	922.8
152.5°	759.2	746.5	733.8	746.5	759.2	762.4	788.9	824.3	842.0	865.0	911.1
155°	778.9	769.6	760.1	769.6	778.9	781.3	801.5	828.5	842.0	860.3	897.0
157.5°	797.8	788.8	779.6	788.8	797.8	800.1	814.1	832.7	842.0	856.2	884.7
160°	807.0	799.9	792.7	799.9	807.0	808.8	819.9	834.6	842.0	854.2	878.6
162.5°	816.6	811.2	805.9	811.2	816.6	817.9	825.9	836.7	842.0	852.3	872.9
165°	829.9	825.0	820.2	825.0	829.9	831.1	834.7	839.6	842.0	849.3	864.1
167.5°	837.9	835.7	833.4	835.7	837.9	838.5	841.5	845.7	847.7	852.5	862.2
170°	846.6	844.3	842.0	844.3	846.6	847.1	847.3	847.6	847.7	852.5	862.2
172.5°	847.6	847.0	846.6	847.0	847.6	847.7	847.7	847.7	847.7	851.5	859.1
175°	852.8	852.8	852.8	852.8	852.8	852.8	851.1	848.8	847.7	850.1	854.9
177.5°	852.8	852.8	852.8	852.8	852.8	852.8	851.5	849.8	848.9	850.8	854.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1584.1	1579.4	1585.7	1568.5	1585.7	1579.4	1584.1	1595.0	1585.7	1591.8	1598.1
5°	1389.9	1382.2	1357.4	1337.2	1357.4	1382.2	1389.9	1422.6	1438.1	1466.1	1503.4
7.5°	1242.5	1236.2	1230.0	1217.6	1230.0	1236.2	1242.5	1251.7	1267.2	1292.1	1320.1
10°	1209.8	1211.4	1220.7	1219.2	1220.7	1211.4	1209.8	1206.7	1202.1	1206.7	1223.7
12.5°	1293.7	1307.6	1358.9	1355.8	1358.9	1307.6	1293.7	1231.5	1189.6	1181.9	1184.9
15°	1389.9	1394.6	1405.5	1407.0	1405.5	1394.6	1389.9	1365.2	1239.3	1184.9	1167.9
17.5°	1399.3	1400.9	1408.6	1408.6	1408.6	1400.9	1399.3	1388.4	1346.4	1273.5	1177.2
20°	1391.5	1394.6	1410.1	1413.3	1410.1	1394.6	1391.5	1377.6	1354.2	1327.8	1254.9
22.5°	1388.4	1394.6	1407.0	1405.5	1407.0	1394.6	1388.4	1366.6	1346.4	1327.8	1298.4
25°	1372.9	1372.9	1374.4	1376.0	1374.4	1372.9	1372.9	1355.8	1315.4	1310.7	1293.7
27.5°	1340.3	1343.4	1352.7	1351.1	1352.7	1343.4	1340.3	1334.1	1290.6	1285.9	1273.5
30°	1310.7	1307.6	1299.9	1293.7	1299.9	1307.6	1310.7	1301.5	1258.0	1245.5	1248.6
32.5°	1261.1	1253.3	1245.5	1240.9	1245.5	1253.3	1261.1	1258.0	1225.3	1208.2	1211.4
35°	1202.1	1203.6	1202.1	1197.4	1202.1	1203.6	1202.1	1205.1	1184.9	1169.4	1167.9
37.5°	1160.2	1163.2	1161.7	1155.5	1161.7	1163.2	1160.2	1157.0	1129.0	1124.4	1127.5
40°	1116.7	1118.2	1116.7	1112.0	1116.7	1118.2	1116.7	1110.4	1071.6	1073.2	1084.0
42.5°	1074.7	1073.2	1068.5	1065.4	1068.5	1073.2	1074.7	1065.4	1015.7	1011.0	1031.2
45°	1026.5	1028.1	1018.8	1014.1	1018.8	1028.1	1026.5	1020.4	969.1	956.7	970.6
47.5°	978.4	978.4	970.6	966.0	970.6	978.4	978.4	970.6	916.3	903.8	911.6
50°	927.1	925.6	914.8	913.2	914.8	925.6	927.1	922.5	865.0	854.2	854.2
52.5°	868.1	868.1	869.7	872.8	869.7	868.1	868.1	869.7	818.5	807.6	804.5
55°	816.9	818.5	829.3	832.4	829.3	818.5	816.9	816.9	770.3	759.4	753.2
57.5°	764.1	764.1	771.9	771.9	771.9	764.1	764.1	761.0	716.0	706.6	703.5
60°	703.5	706.6	712.9	711.3	712.9	706.6	703.5	700.4	661.6	655.4	644.5
62.5°	639.8	642.9	644.5	641.4	644.5	642.9	639.8	630.5	607.2	602.6	588.6
65°	573.1	576.2	577.7	574.7	577.7	576.2	573.1	568.4	551.4	543.6	531.2
67.5°	504.7	503.2	501.6	507.9	501.6	503.2	504.7	498.5	487.7	481.4	464.4
70°	434.8	434.8	433.3	436.4	433.3	434.8	434.8	430.2	424.0	419.3	403.8
72.5°	360.3	358.7	365.0	360.3	365.0	358.7	360.3	358.7	355.6	351.0	335.4
75°	287.3	290.5	287.3	292.0	287.3	290.5	287.3	288.9	287.3	284.2	273.3
77.5°	219.0	222.1	219.0	219.0	219.0	222.1	219.0	220.5	220.5	220.5	211.3
80°	155.3	153.7	153.7	152.2	153.7	153.7	155.3	155.3	156.8	153.7	150.7
82.5°	99.4	97.8	97.8	100.9	97.8	97.8	99.4	100.9	97.8	97.8	97.8
85°	54.3	55.9	52.8	52.8	52.8	55.9	54.3	51.2	54.3	54.3	52.8
87.5°	20.2	18.6	18.6	18.6	18.6	18.6	20.2	21.7	21.7	21.7	23.3
90°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	29.0	38.6	43.5	37.4
92.5°	108.7	104.4	87.1	69.8	87.1	104.4	108.7	154.2	214.6	244.9	215.0
95°	369.2	356.1	303.7	251.3	303.7	356.1	369.2	484.8	639.0	716.1	604.8
97.5°	852.3	827.3	727.6	627.9	727.6	827.3	852.3	925.3	1022.8	1071.5	885.9
100°	1196.9	1167.1	1048.4	929.5	1048.4	1167.1	1196.9	1191.5	1184.4	1180.8	974.9
102.5°	1491.1	1465.7	1363.9	1262.1	1363.9	1465.7	1491.1	1397.9	1273.8	1211.7	1002.9
105°	1834.5	1820.8	1766.1	1711.4	1766.1	1820.8	1834.5	1625.7	1347.4	1208.2	1006.0
107.5°	2013.1	2016.4	2029.6	2042.8	2029.6	2016.4	2013.1	1721.9	1333.7	1139.6	961.3
110°	2058.8	2073.1	2130.1	2187.1	2130.1	2073.1	2058.8	1733.3	1299.4	1082.3	921.5



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2029.7	2051.5	2139.1	2226.5	2139.1	2051.5	2029.7	1696.5	1252.4	1030.3	887.0
115°	1930.6	1961.0	2082.3	2203.7	2082.3	1961.0	1930.6	1609.7	1181.8	967.9	847.2
117.5°	1793.8	1827.5	1962.0	2096.6	1962.0	1827.5	1793.8	1504.2	1118.0	924.9	822.3
120°	1701.7	1734.4	1865.1	1995.9	1865.1	1734.4	1701.7	1437.0	1084.2	907.8	813.9
122.5°	1609.5	1641.8	1770.8	1899.7	1770.8	1641.8	1609.5	1371.2	1053.5	894.7	809.6
125°	1487.6	1517.3	1636.1	1754.9	1636.1	1517.3	1487.6	1285.1	1015.2	880.3	805.9
127.5°	1389.8	1414.8	1515.0	1615.2	1515.0	1414.8	1389.8	1215.9	984.2	868.3	803.8
130°	1327.9	1351.0	1443.6	1536.2	1443.6	1351.0	1327.9	1173.2	966.9	863.7	805.1
132.5°	1275.2	1296.0	1378.8	1461.8	1378.8	1296.0	1275.2	1136.7	952.0	859.7	805.9
135°	1200.8	1218.7	1290.2	1361.7	1290.2	1218.7	1200.8	1084.8	930.2	852.8	805.1
137.5°	1145.9	1160.5	1219.1	1277.5	1219.1	1160.5	1145.9	1047.8	917.1	851.7	810.1
140°	1101.8	1115.5	1170.2	1224.8	1170.2	1115.5	1101.8	1017.1	904.1	847.7	811.0
142.5°	1071.0	1082.7	1129.8	1176.8	1129.8	1082.7	1071.0	996.5	897.3	847.7	813.8
145°	1024.5	1033.4	1069.1	1104.7	1069.1	1033.4	1024.5	963.7	882.5	842.0	813.9
147.5°	985.6	992.9	1022.5	1052.0	1022.5	992.9	985.6	937.7	873.9	842.0	819.5
150°	963.3	969.3	993.2	1017.1	993.2	969.3	963.3	922.8	869.0	842.0	822.3
152.5°	945.6	950.1	968.2	986.2	968.2	950.1	945.6	911.1	865.0	842.0	824.3
155°	924.4	927.4	939.4	951.3	939.4	927.4	924.4	897.0	860.3	842.0	828.5
157.5°	906.0	908.2	916.5	924.9	916.5	908.2	906.0	884.7	856.2	842.0	832.7
160°	896.9	898.1	902.9	907.8	902.9	898.1	896.9	878.6	854.2	842.0	834.6
162.5°	888.3	889.4	894.0	898.6	894.0	889.4	888.3	872.9	852.3	842.0	836.7
165°	875.1	876.3	881.2	886.0	881.2	876.3	875.1	864.1	849.3	842.0	839.6
167.5°	869.4	870.0	872.0	874.0	872.0	870.0	869.4	862.2	852.5	847.7	845.7
170°	869.4	869.4	869.4	869.4	869.4	869.4	869.4	862.2	852.5	847.7	847.6
172.5°	864.8	864.4	862.6	860.9	862.6	864.4	864.8	859.1	851.5	847.7	847.7
175°	858.6	858.6	858.6	858.6	858.6	858.6	858.6	854.9	850.1	847.7	848.8
177.5°	857.4	856.9	854.8	852.8	854.8	856.9	857.4	854.6	850.8	848.9	849.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1621.4	1629.1	1633.8	1640.0	1655.5
5°	1559.3	1588.7	1598.1	1621.4	1649.3
7.5°	1422.6	1512.6	1537.5	1593.4	1636.9
10°	1290.6	1380.7	1424.2	1556.1	1621.4
12.5°	1223.7	1276.6	1306.1	1490.9	1599.6
15°	1181.9	1219.2	1240.9	1404.0	1574.8
17.5°	1149.2	1175.7	1191.2	1318.5	1540.6
20°	1129.0	1141.5	1155.5	1256.4	1501.8
22.5°	1115.1	1107.3	1118.2	1212.9	1448.9
25°	1105.7	1076.3	1088.7	1178.8	1386.8
27.5°	1113.5	1048.3	1053.0	1147.7	1321.7
30°	1115.1	1014.1	1015.7	1115.1	1248.6
32.5°	1104.2	978.4	980.0	1074.7	1166.3
35°	1077.8	936.5	934.9	1028.1	1054.5
37.5°	1042.0	891.4	891.4	976.9	931.8
40°	998.6	846.4	851.1	910.1	823.1
42.5°	945.8	798.3	804.5	821.5	742.3
45°	888.3	751.7	756.4	694.2	680.2
47.5°	824.6	703.5	705.1	576.2	660.0
50°	748.6	653.9	647.6	493.9	658.4
52.5°	681.8	599.4	580.8	447.3	597.9
55°	616.6	542.0	501.6	411.6	554.5
57.5°	559.1	467.5	428.7	369.6	545.1
60°	506.3	394.4	365.0	324.6	500.1
62.5°	462.8	340.1	333.9	293.5	453.5
65°	416.2	302.8	301.3	267.1	385.2
67.5°	371.2	278.0	276.4	242.3	293.5
70°	323.0	251.6	248.5	215.8	217.4
72.5°	273.3	222.1	219.0	194.1	180.1
75°	223.6	187.9	186.4	169.3	146.0
77.5°	175.5	149.1	152.2	136.6	107.2
80°	125.8	108.7	111.8	97.8	80.8
82.5°	83.9	71.4	74.5	62.1	54.3
85°	46.6	40.4	41.9	32.6	24.9
87.5°	21.7	18.6	18.6	12.4	7.8
90°	25.2	16.1	14.9	10.3	5.7
92.5°	155.3	110.5	100.8	61.8	22.9
95°	382.1	215.2	197.4	126.2	55.0
97.5°	514.7	236.4	220.7	157.8	95.0
100°	563.0	254.1	239.9	182.9	125.9
102.5°	585.2	271.9	258.6	205.5	152.2
105°	601.5	298.3	287.0	242.0	196.9
107.5°	604.7	337.2	326.7	284.7	242.7
110°	600.1	358.9	349.5	311.5	273.6



TEST NUMBER: P936160

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	600.3	385.2	376.3	340.1	303.9
115°	605.8	424.7	416.4	383.0	349.7
117.5°	617.1	463.1	455.5	425.3	395.0
120°	626.1	485.4	478.2	449.8	421.2
122.5°	639.4	511.7	504.5	475.7	447.0
125°	657.1	545.5	539.0	512.7	486.6
127.5°	674.8	578.1	571.4	545.0	518.6
130°	687.8	599.8	592.6	564.2	535.8
132.5°	698.3	617.6	610.5	582.0	553.5
135°	709.7	638.2	631.6	605.8	579.8
137.5°	726.9	664.5	658.1	632.4	606.7
140°	737.5	682.3	676.4	652.8	629.1
142.5°	746.2	695.4	689.9	668.1	646.2
145°	757.6	715.4	710.7	691.7	672.6
147.5°	774.4	740.7	736.0	717.5	698.8
150°	783.2	753.8	749.6	732.9	716.1
152.5°	788.9	762.4	759.2	746.5	733.8
155°	801.5	781.3	778.9	769.6	760.1
157.5°	814.1	800.1	797.8	788.8	779.6
160°	819.9	808.8	807.0	799.9	792.7
162.5°	825.9	817.9	816.6	811.2	805.9
165°	834.7	831.1	829.9	825.0	820.2
167.5°	841.5	838.5	837.9	835.7	833.4
170°	847.3	847.1	846.6	844.3	842.0
172.5°	847.7	847.7	847.6	847.0	846.6
175°	851.1	852.8	852.8	852.8	852.8
177.5°	851.5	852.8	852.8	852.8	852.8
180°	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P936160  
 CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-5000K

**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	13.63	14.43	14.64	15.45	16.81	16.42	17.23	17.43	18.25	19.61
	3H	14.10	14.82	15.12	15.85	17.23	17.75	18.48	18.78	19.51	20.89
	4H	14.29	14.97	15.32	16.00	17.39	18.19	18.87	19.22	19.91	21.29
	6H	14.40	15.03	15.45	16.07	17.47	18.46	19.09	19.51	20.13	21.53
	8H	14.40	15.00	15.45	16.05	17.45	18.53	19.13	19.58	20.18	21.58
	12H	14.37	14.94	15.43	15.99	17.41	18.56	19.13	19.62	20.18	21.60
4H	2H	14.64	15.33	15.68	16.36	17.75	16.83	17.51	17.87	18.54	19.93
	3H	15.66	16.23	16.71	17.29	18.70	18.32	18.89	19.37	19.95	21.35
	4H	15.94	16.46	16.99	17.51	18.94	18.84	19.36	19.89	20.41	21.83
	6H	16.06	16.51	17.13	17.58	19.00	19.19	19.64	20.26	20.71	22.13
	8H	16.07	16.48	17.13	17.55	18.99	19.29	19.71	20.36	20.78	22.21
	12H	16.03	16.41	17.11	17.49	18.93	19.34	19.72	20.42	20.80	22.24
8H	4H	16.38	16.80	17.45	17.87	19.30	18.96	19.38	20.02	20.44	21.88
	6H	16.64	16.99	17.73	18.10	19.53	19.38	19.73	20.47	20.84	22.27
	8H	16.68	16.99	17.78	18.08	19.53	19.53	19.83	20.63	20.93	22.38
	12H	16.67	16.93	17.76	18.02	19.51	19.62	19.89	20.72	20.98	22.47
12H	4H	16.39	16.76	17.47	17.85	19.28	18.92	19.30	20.00	20.38	21.82
	6H	16.70	17.00	17.80	18.10	19.55	19.38	19.68	20.48	20.78	22.23
	8H	16.76	17.03	17.86	18.12	19.61	19.53	19.80	20.63	20.89	22.38