

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: P935147

Luminaire Tested: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

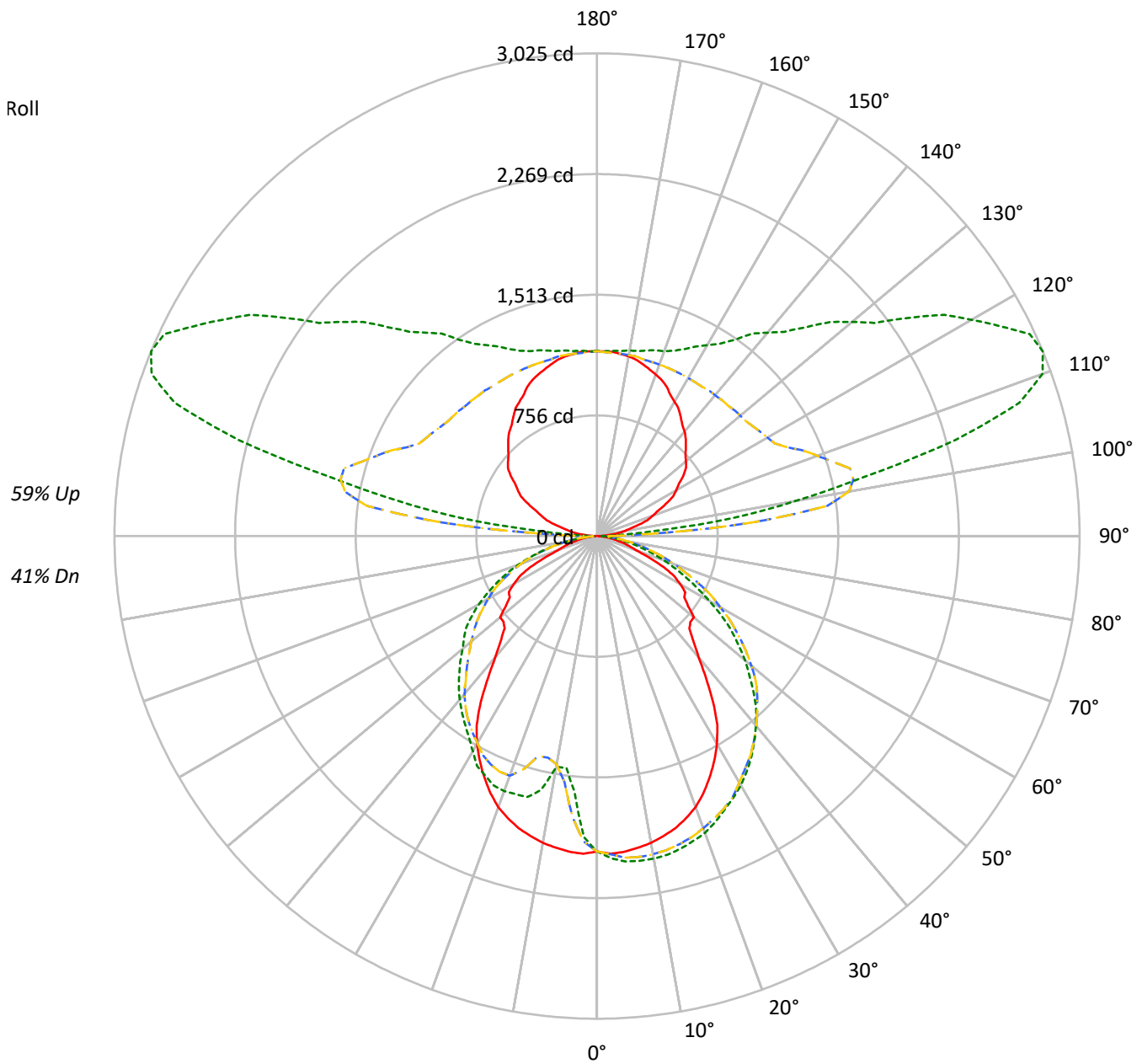
Test Method: LM-79-2019  
Report Number: P935147  
REPORT IS A COMBINATION OF REPORTS P933744 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12638.2 lumens  
Efficiency: N/A  
Efficacy: 128.4 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: General Diffuse  
  
Input Watts (W): 98.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	40	40	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	34	34	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	29	29	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	25	25	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	22	22	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	19	19	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	15	15	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	13	13	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	12	12	12	10

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

	0°	90°	180°	270°
0°	9167	9167	9167	9167
5°	9236	9254	9236	7276
10°	9174	9115	9174	6517
15°	9074	8918	9074	7447
20°	8884	8684	8884	7462
25°	8496	8343	8496	7304
30°	7994	8060	7994	6957
35°	7126	7701	7126	6575
40°	5939	7279	5939	6287
45°	5306	6785	5306	5955
50°	5637	6197	5637	5623
55°	5304	5562	5304	5431
60°	5468	4724	5468	4974
65°	4957	3905	4957	4365
70°	3432	3112	3432	3659
75°	3009	2301	3009	2754
80°	2425	1521	2425	1656
85°	1393	806	1393	685

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8132 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.4	1.4
10°-20°	506.4	4.0
20°-30°	782.8	6.2
30°-40°	934.5	7.4
40°-50°	940.0	7.4
50°-60°	817.9	6.5
60°-70°	579.9	4.6
70°-80°	306.8	2.4
80°-90°	80.8	0.6
90°-100°	564.8	4.5
100°-110°	1484.7	11.7
110°-120°	1539.5	12.2
120°-130°	1234.9	9.8
130°-140°	968.9	7.7
140°-150°	743.7	5.9
150°-160°	535.6	4.2
160°-170°	327.7	2.6
170°-180°	110.7	0.9
0°-30°	1467.6	11.6
0°-40°	2402.1	19.0
0°-60°	4160.0	32.9
0°-90°	5127.6	40.6
90°-120°	3589.0	28.4
90°-150°	6536.6	51.7
90°-180°	7511.0	59.4
0°-180°	12638.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1976	1976	1976	1976	1976	
5°	1985	2047	1985	1610	1985	188
15°	1896	2028	1896	1694	1896	533
25°	1669	1892	1669	1656	1669	766
35°	1269	1688	1269	1441	1269	785
45°	819	1391	819	1221	819	656
55°	667	1026	667	1002	667	613
65°	464	619	464	692	464	443
75°	176	294	176	351	176	185
85°	30	75	30	64	30	40
90°	8	30	8	30	8	8
95°	75	341	75	341	75	83
105°	268	2325	268	2325	268	284
115°	475	2994	475	2994	475	469
125°	661	2384	661	2384	661	587
135°	788	1850	788	1850	788	609
145°	914	1501	914	1501	914	572
155°	1033	1292	1033	1292	1033	474
165°	1114	1204	1114	1204	1114	314
175°	1159	1166	1159	1166	1159	110
180°	1159	1159	1159	1159	1159	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1992.7	1992.7	2003.9	2007.7	2007.7	2002.0	1996.4	2002.0	2018.9	2024.5	2022.6
5°	1985.2	2000.2	2020.7	2024.5	2028.2	2026.3	2022.6	2026.3	2045.0	2048.8	2050.7
7.5°	1970.3	1998.3	2024.5	2030.1	2035.7	2030.1	2028.2	2032.0	2050.7	2054.4	2054.4
10°	1951.6	1990.8	2020.7	2024.5	2030.1	2024.5	2024.5	2032.0	2050.7	2054.4	2056.3
12.5°	1925.4	1979.6	2007.7	2011.4	2018.9	2017.0	2015.1	2022.6	2041.3	2045.0	2045.0
15°	1895.5	1959.1	1985.2	1989.0	2002.0	1998.3	1998.3	2005.8	2026.3	2032.0	2030.1
17.5°	1854.4	1932.9	1962.8	1968.4	1977.7	1975.9	1977.7	1985.2	2003.9	2007.7	2009.5
20°	1807.6	1897.4	1932.9	1938.5	1947.8	1947.8	1947.8	1957.2	1975.9	1983.4	1983.4
22.5°	1744.1	1860.0	1897.4	1901.1	1912.3	1912.3	1916.1	1929.1	1946.0	1947.8	1947.8
25°	1669.3	1818.8	1850.6	1861.8	1873.1	1878.7	1884.3	1891.8	1897.4	1895.5	1897.4
27.5°	1590.8	1766.5	1807.6	1815.1	1830.1	1835.7	1843.1	1845.0	1846.9	1852.5	1848.8
30°	1502.9	1693.6	1755.3	1762.8	1787.1	1790.8	1783.3	1787.1	1796.4	1800.2	1803.9
32.5°	1403.8	1585.2	1701.1	1717.9	1740.3	1729.1	1727.2	1732.9	1747.8	1747.8	1751.5
35°	1269.2	1501.0	1650.6	1665.6	1682.4	1669.3	1676.8	1678.6	1688.0	1693.6	1691.7
37.5°	1121.6	1428.1	1598.3	1609.5	1622.6	1605.7	1616.9	1622.6	1630.0	1626.3	1626.3
40°	990.8	1314.1	1536.6	1544.0	1555.3	1542.2	1553.4	1557.1	1560.9	1557.1	1555.3
42.5°	893.6	1188.9	1471.1	1480.5	1473.0	1482.4	1486.1	1493.6	1488.0	1480.5	1480.5
45°	818.8	1155.2	1400.1	1411.3	1400.1	1415.1	1420.7	1420.7	1403.8	1400.1	1398.2
47.5°	794.5	1088.0	1329.1	1329.1	1323.5	1342.1	1351.5	1338.4	1321.6	1316.0	1316.0
50°	792.6	1013.2	1231.8	1224.4	1250.5	1273.0	1263.6	1250.5	1237.5	1216.9	1216.9
52.5°	719.7	921.6	1106.7	1134.6	1175.8	1188.9	1173.9	1160.8	1138.4	1129.0	1121.6
55°	667.4	826.3	992.7	1048.7	1091.7	1108.6	1080.5	1067.4	1033.8	1028.2	1024.4
57.5°	656.2	687.9	888.0	959.0	1011.4	1009.5	992.7	968.4	940.3	934.7	932.8
60°	602.0	497.3	775.8	859.9	914.1	908.5	893.6	871.1	845.0	841.2	837.5
62.5°	545.9	360.8	648.7	744.0	820.7	818.8	805.7	772.1	753.4	744.0	736.5
65°	463.6	302.8	461.7	618.8	729.1	732.8	704.8	680.5	659.9	648.7	646.8
67.5°	353.3	246.8	312.2	516.0	641.2	637.5	602.0	590.7	564.6	559.0	547.7
70°	261.7	164.5	216.9	418.7	555.2	545.9	517.8	504.7	480.4	467.4	459.9
72.5°	216.9	132.7	158.9	325.3	467.4	456.1	431.8	416.9	396.3	385.1	377.6
75°	175.7	140.2	121.5	241.2	379.5	372.0	349.6	334.6	317.8	302.8	304.7
77.5°	129.0	130.9	97.2	177.6	301.0	289.8	276.7	258.0	250.5	235.5	235.5
80°	97.2	102.8	72.9	121.5	216.9	216.9	205.6	192.5	179.5	172.0	172.0
82.5°	65.4	65.4	54.2	76.6	147.7	142.1	134.6	130.9	123.4	119.6	119.6
85°	29.9	37.4	33.6	46.7	80.4	84.1	84.1	80.4	78.5	74.8	76.6
87.5°	9.3	16.8	20.6	26.2	41.1	43.0	44.9	44.9	44.9	46.7	46.7
90°	7.8	14.0	20.2	21.8	34.2	50.8	59.1	52.5	39.4	29.5	29.5
92.5°	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5	147.8	141.9
95°	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6	501.6	483.8
97.5°	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1	1157.8	1124.0
100°	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6	1625.9	1585.5
102.5°	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1	2025.6	1991.0
105°	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5	2492.1	2473.5
107.5°	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2	2734.7	2739.2
110°	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7	2796.9	2816.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7	2757.3	2787.0
115°	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8	2622.8	2664.0
117.5°	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5	2436.9	2482.6
120°	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2	2311.7	2356.1
122.5°	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8	2186.6	2230.4
125°	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9	2020.9	2061.3
127.5°	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8	1887.9	1921.9
130°	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8	1804.0	1835.4
132.5°	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2	1732.4	1760.5
135°	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8	1631.3	1655.6
137.5°	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5	1556.7	1576.6
140°	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8	1496.8	1515.4
142.5°	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7	1454.9	1470.9
145°	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1	1391.9	1403.9
147.5°	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9	1339.0	1349.0
150°	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7	1308.7	1316.8
152.5°	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6	1284.6	1290.7
155°	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5	1255.8	1259.8
157.5°	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8	1230.9	1233.7
160°	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6	1218.5	1220.2
162.5°	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8	1206.8	1208.4
165°	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9	1188.9	1190.6
167.5°	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3	1181.1	1181.7
170°	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3	1181.1	1181.1
172.5°	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2	1174.9	1174.4
175°	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4	1166.3	1166.3
177.5°	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9	1164.8	1164.2
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	2026.3	2020.7	2026.3	2022.6	2024.5	2018.9	2002.0	1996.4	2002.0	2007.7	2007.7
5°	2050.7	2046.9	2050.7	2050.7	2048.8	2045.0	2026.3	2022.6	2026.3	2028.2	2024.5
7.5°	2058.1	2052.5	2058.1	2054.4	2054.4	2050.7	2032.0	2028.2	2030.1	2035.7	2030.1
10°	2058.1	2052.5	2058.1	2056.3	2054.4	2050.7	2032.0	2024.5	2024.5	2030.1	2024.5
12.5°	2048.8	2045.0	2048.8	2045.0	2045.0	2041.3	2022.6	2015.1	2017.0	2018.9	2011.4
15°	2033.8	2028.2	2033.8	2030.1	2032.0	2026.3	2005.8	1998.3	1998.3	2002.0	1989.0
17.5°	2011.4	2003.9	2011.4	2009.5	2007.7	2003.9	1985.2	1977.7	1975.9	1977.7	1968.4
20°	1985.2	1979.6	1985.2	1983.4	1983.4	1975.9	1957.2	1947.8	1947.8	1947.8	1938.5
22.5°	1944.1	1938.5	1944.1	1947.8	1947.8	1946.0	1929.1	1916.1	1912.3	1912.3	1901.1
25°	1897.4	1891.8	1897.4	1897.4	1895.5	1897.4	1891.8	1884.3	1878.7	1873.1	1861.8
27.5°	1852.5	1848.8	1852.5	1848.8	1852.5	1846.9	1845.0	1843.1	1835.7	1830.1	1815.1
30°	1807.6	1803.9	1807.6	1803.9	1800.2	1796.4	1787.1	1783.3	1790.8	1787.1	1762.8
32.5°	1751.5	1747.8	1751.5	1751.5	1747.8	1747.8	1732.9	1727.2	1729.1	1740.3	1717.9
35°	1693.6	1688.0	1693.6	1691.7	1693.6	1688.0	1678.6	1676.8	1669.3	1682.4	1665.6
37.5°	1626.3	1620.7	1626.3	1626.3	1626.3	1630.0	1622.6	1616.9	1605.7	1622.6	1609.5
40°	1557.1	1549.6	1557.1	1555.3	1557.1	1560.9	1557.1	1553.4	1542.2	1555.3	1544.0
42.5°	1478.6	1476.7	1478.6	1480.5	1480.5	1488.0	1493.6	1486.1	1482.4	1473.0	1480.5
45°	1394.5	1390.7	1394.5	1398.2	1400.1	1403.8	1420.7	1420.7	1415.1	1400.1	1411.3
47.5°	1304.8	1295.4	1304.8	1316.0	1316.0	1321.6	1338.4	1351.5	1342.1	1323.5	1329.1
50°	1209.4	1211.3	1209.4	1216.9	1216.9	1237.5	1250.5	1263.6	1273.0	1250.5	1224.4
52.5°	1115.9	1114.2	1115.9	1121.6	1129.0	1138.4	1160.8	1173.9	1188.9	1175.8	1134.6
55°	1022.6	1026.3	1022.6	1024.4	1028.2	1033.8	1067.4	1080.5	1108.6	1091.7	1048.7
57.5°	929.1	923.5	929.1	932.8	934.7	940.3	968.4	992.7	1009.5	1011.4	959.0
60°	820.7	813.2	820.7	837.5	841.2	845.0	871.1	893.6	908.5	914.1	859.9
62.5°	725.3	712.2	725.3	736.5	744.0	753.4	772.1	805.7	818.8	820.7	744.0
65°	624.4	618.8	624.4	646.8	648.7	659.9	680.5	704.8	732.8	729.1	618.8
67.5°	532.8	532.8	532.8	547.7	559.0	564.6	590.7	602.0	637.5	641.2	516.0
70°	448.7	446.8	448.7	459.9	467.4	480.4	504.7	517.8	545.9	555.2	418.7
72.5°	368.3	366.4	368.3	377.6	385.1	396.3	416.9	431.8	456.1	467.4	325.3
75°	297.2	293.5	297.2	304.7	302.8	317.8	334.6	349.6	372.0	379.5	241.2
77.5°	228.1	228.1	228.1	235.5	235.5	250.5	258.0	276.7	289.8	301.0	177.6
80°	170.1	168.2	170.1	172.0	172.0	179.5	192.5	205.6	216.9	216.9	121.5
82.5°	119.6	115.9	119.6	119.6	119.6	123.4	130.9	134.6	142.1	147.7	76.6
85°	74.8	74.8	74.8	76.6	74.8	78.5	80.4	84.1	84.1	80.4	46.7
87.5°	48.6	46.7	48.6	46.7	46.7	44.9	44.9	44.9	43.0	41.1	26.2
90°	29.5	29.5	29.5	29.5	29.5	39.4	52.5	59.1	50.8	34.2	21.8
92.5°	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2	211.0	150.1
95°	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5	519.1	292.4
97.5°	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5	699.3	321.2
100°	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4	764.9	345.3
102.5°	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3	794.9	369.3
105°	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7	817.2	405.1
107.5°	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9	821.4	458.0
110°	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9	815.2	487.5





TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9	815.4	523.3
115°	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9	822.9	577.0
117.5°	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1	838.2	629.1
120°	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8	850.7	659.3
122.5°	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7	868.5	695.1
125°	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8	892.6	741.0
127.5°	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0	916.8	785.3
130°	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7	934.3	814.9
132.5°	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8	948.6	839.0
135°	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8	964.2	867.0
137.5°	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5	987.5	902.7
140°	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6	1001.7	926.9
142.5°	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6	1013.7	944.7
145°	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7	1029.3	972.0
147.5°	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2	1052.1	1006.2
150°	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2	1064.0	1024.1
152.5°	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8	1071.7	1035.7
155°	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5	1088.8	1061.4
157.5°	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2	1105.9	1087.1
160°	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8	1113.8	1098.7
162.5°	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5	1122.0	1111.2
165°	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5	1134.0	1129.0
167.5°	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8	1143.2	1139.1
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4	1151.1	1150.8
172.5°	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1	1156.2	1158.6
177.5°	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4	1156.8	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	2003.9	1992.7	1992.7	1974.0	1966.5	1960.9	1951.6	1923.5	1916.1	1908.6	1919.8
5°	2020.7	2000.2	1985.2	1951.6	1923.5	1912.3	1876.8	1809.5	1764.6	1731.0	1712.3
7.5°	2024.5	1998.3	1970.3	1917.9	1850.6	1820.7	1712.3	1588.9	1555.3	1525.3	1506.7
10°	2020.7	1990.8	1951.6	1873.1	1714.2	1661.8	1553.4	1473.0	1452.4	1446.8	1452.4
12.5°	2007.7	1979.6	1925.4	1794.5	1572.1	1536.6	1473.0	1426.3	1422.5	1431.9	1482.4
15°	1985.2	1959.1	1895.5	1689.9	1493.6	1467.4	1422.5	1405.7	1426.3	1491.7	1643.1
17.5°	1962.8	1932.9	1854.4	1587.0	1433.7	1415.1	1383.3	1416.9	1532.8	1620.7	1671.2
20°	1932.9	1897.4	1807.6	1512.3	1390.7	1373.9	1359.0	1510.4	1598.3	1630.0	1658.1
22.5°	1897.4	1860.0	1744.1	1459.9	1345.9	1332.8	1342.1	1562.7	1598.3	1620.7	1645.0
25°	1850.6	1818.8	1669.3	1418.8	1310.4	1295.4	1330.9	1557.1	1577.7	1583.3	1631.9
27.5°	1807.6	1766.5	1590.8	1381.4	1267.4	1261.8	1340.3	1532.8	1547.8	1553.4	1605.7
30°	1755.3	1693.6	1502.9	1342.1	1222.5	1220.6	1342.1	1502.9	1499.2	1514.1	1566.5
32.5°	1701.1	1585.2	1403.8	1293.5	1179.5	1177.6	1329.1	1458.0	1454.3	1474.9	1514.1
35°	1650.6	1501.0	1269.2	1237.5	1125.3	1127.2	1297.3	1405.7	1407.6	1426.3	1450.6
37.5°	1598.3	1428.1	1121.6	1175.8	1073.0	1073.0	1254.3	1357.1	1353.4	1359.0	1392.6
40°	1536.6	1314.1	990.8	1095.5	1024.4	1018.8	1201.9	1304.8	1291.7	1289.8	1336.5
42.5°	1471.1	1188.9	893.6	988.9	968.4	960.9	1138.4	1241.2	1216.9	1222.5	1282.3
45°	1400.1	1155.2	818.8	835.6	910.4	904.8	1069.3	1168.3	1151.5	1166.4	1228.1
47.5°	1329.1	1088.0	794.5	693.6	848.7	846.8	992.7	1097.3	1088.0	1103.0	1168.3
50°	1231.8	1013.2	792.6	594.5	779.5	787.0	901.1	1028.2	1028.2	1041.3	1110.4
52.5°	1106.7	921.6	719.7	538.4	699.2	721.6	820.7	968.4	972.1	985.2	1046.9
55°	992.7	826.3	667.4	495.4	603.8	652.4	742.2	906.7	914.1	927.2	983.3
57.5°	888.0	687.9	656.2	444.9	516.0	562.7	673.0	846.8	850.6	861.8	916.0
60°	775.8	497.3	602.0	390.7	439.3	474.8	609.4	775.8	788.9	796.4	843.1
62.5°	648.7	360.8	545.9	353.3	401.9	409.4	557.1	708.5	725.3	730.9	759.0
65°	461.7	302.8	463.6	321.5	362.7	364.5	501.0	639.3	654.3	663.6	684.2
67.5°	312.2	246.8	353.3	291.6	332.8	334.6	446.8	559.0	579.5	587.0	600.1
70°	216.9	164.5	261.7	259.8	299.1	302.8	388.8	486.0	504.7	510.3	517.8
72.5°	158.9	132.7	216.9	233.7	263.6	267.3	329.0	403.8	422.5	428.1	431.8
75°	121.5	140.2	175.7	203.8	224.3	226.2	269.2	329.0	342.1	345.8	347.7
77.5°	97.2	130.9	129.0	164.5	183.2	179.5	211.2	254.2	265.5	265.5	265.5
80°	72.9	102.8	97.2	117.8	134.6	130.9	151.4	181.3	185.1	188.8	186.9
82.5°	54.2	65.4	65.4	74.8	89.7	86.0	100.9	117.8	117.8	117.8	121.5
85°	33.6	37.4	29.9	39.3	50.5	48.6	56.1	63.6	65.4	65.4	61.7
87.5°	20.6	16.8	9.3	15.0	22.4	22.4	26.2	28.0	26.2	26.2	26.2
90°	20.2	14.0	7.8	14.0	20.2	21.8	34.2	50.8	59.1	52.5	39.4
92.5°	136.9	84.0	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5
95°	268.2	171.4	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6
97.5°	299.9	214.4	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1
100°	325.9	248.4	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6
102.5°	351.3	279.0	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1
105°	389.8	328.6	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5
107.5°	443.7	386.7	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2
110°	474.6	423.1	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	511.1	461.9	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7
115°	565.7	520.4	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8
117.5°	618.8	577.6	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5
120°	649.7	611.0	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2
122.5°	685.4	646.3	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8
125°	732.2	696.5	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9
127.5°	776.4	740.4	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8
130°	805.2	766.5	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8
132.5°	829.3	790.6	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2
135°	858.2	822.9	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8
137.5°	894.0	859.1	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5
140°	918.8	886.7	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8
142.5°	937.3	907.6	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7
145°	965.6	939.6	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1
147.5°	999.9	974.6	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9
150°	1018.4	995.6	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7
152.5°	1031.4	1014.2	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6
155°	1058.2	1045.4	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5
157.5°	1084.0	1071.5	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8
160°	1096.3	1086.7	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6
162.5°	1109.4	1102.1	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8
165°	1127.3	1120.8	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9
167.5°	1138.4	1135.2	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3
170°	1150.1	1146.9	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3
172.5°	1151.4	1150.7	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2
175°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4
177.5°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1906.7	1901.1	1908.6	1888.0	1908.6	1901.1	1906.7	1919.8	1908.6	1916.1	1923.5
5°	1673.0	1663.7	1633.8	1609.5	1633.8	1663.7	1673.0	1712.3	1731.0	1764.6	1809.5
7.5°	1495.4	1488.0	1480.5	1465.5	1480.5	1488.0	1495.4	1506.7	1525.3	1555.3	1588.9
10°	1456.2	1458.0	1469.3	1467.4	1469.3	1458.0	1456.2	1452.4	1446.8	1452.4	1473.0
12.5°	1557.1	1574.0	1635.6	1631.9	1635.6	1574.0	1557.1	1482.4	1431.9	1422.5	1426.3
15°	1673.0	1678.6	1691.7	1693.6	1691.7	1678.6	1673.0	1643.1	1491.7	1426.3	1405.7
17.5°	1684.2	1686.1	1695.5	1695.5	1695.5	1686.1	1684.2	1671.2	1620.7	1532.8	1416.9
20°	1674.9	1678.6	1697.3	1701.1	1697.3	1678.6	1674.9	1658.1	1630.0	1598.3	1510.4
22.5°	1671.2	1678.6	1693.6	1691.7	1693.6	1678.6	1671.2	1645.0	1620.7	1598.3	1562.7
25°	1652.5	1652.5	1654.3	1656.2	1654.3	1652.5	1652.5	1631.9	1583.3	1577.7	1557.1
27.5°	1613.2	1616.9	1628.2	1626.3	1628.2	1616.9	1613.2	1605.7	1553.4	1547.8	1532.8
30°	1577.7	1574.0	1564.6	1557.1	1564.6	1574.0	1577.7	1566.5	1514.1	1499.2	1502.9
32.5°	1517.9	1508.5	1499.2	1493.6	1499.2	1508.5	1517.9	1514.1	1474.9	1454.3	1458.0
35°	1446.8	1448.7	1446.8	1441.2	1446.8	1448.7	1446.8	1450.6	1426.3	1407.6	1405.7
37.5°	1396.4	1400.1	1398.2	1390.7	1398.2	1400.1	1396.4	1392.6	1359.0	1353.4	1357.1
40°	1344.0	1345.9	1344.0	1338.4	1344.0	1345.9	1344.0	1336.5	1289.8	1291.7	1304.8
42.5°	1293.5	1291.7	1286.1	1282.3	1286.1	1291.7	1293.5	1282.3	1222.5	1216.9	1241.2
45°	1235.6	1237.5	1226.2	1220.6	1226.2	1237.5	1235.6	1228.1	1166.4	1151.5	1168.3
47.5°	1177.6	1177.6	1168.3	1162.7	1168.3	1177.6	1177.6	1168.3	1103.0	1088.0	1097.3
50°	1115.9	1114.2	1101.1	1099.2	1101.1	1114.2	1115.9	1110.4	1041.3	1028.2	1028.2
52.5°	1045.0	1045.0	1046.9	1050.6	1046.9	1045.0	1045.0	1046.9	985.2	972.1	968.4
55°	983.3	985.2	998.3	1002.0	998.3	985.2	983.3	983.3	927.2	914.1	906.7
57.5°	919.8	919.8	929.1	929.1	929.1	919.8	919.8	916.0	861.8	850.6	846.8
60°	846.8	850.6	858.1	856.2	858.1	850.6	846.8	843.1	796.4	788.9	775.8
62.5°	770.2	773.9	775.8	772.1	775.8	773.9	770.2	759.0	730.9	725.3	708.5
65°	689.8	693.6	695.4	691.7	695.4	693.6	689.8	684.2	663.6	654.3	639.3
67.5°	607.6	605.7	603.8	611.3	603.8	605.7	607.6	600.1	587.0	579.5	559.0
70°	523.4	523.4	521.6	525.3	521.6	523.4	523.4	517.8	510.3	504.7	486.0
72.5°	433.7	431.8	439.3	433.7	439.3	431.8	433.7	431.8	428.1	422.5	403.8
75°	345.8	349.6	345.8	351.4	345.8	349.6	345.8	347.7	345.8	342.1	329.0
77.5°	263.6	267.3	263.6	263.6	263.6	267.3	263.6	265.5	265.5	265.5	254.2
80°	186.9	185.1	185.1	183.2	185.1	185.1	186.9	186.9	188.8	185.1	181.3
82.5°	119.6	117.8	117.8	121.5	117.8	117.8	119.6	121.5	117.8	117.8	117.8
85°	65.4	67.3	63.6	63.6	63.6	67.3	65.4	61.7	65.4	65.4	63.6
87.5°	24.3	22.4	22.4	22.4	22.4	22.4	24.3	26.2	26.2	26.2	28.0
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.4	52.5	59.1	50.8
92.5°	147.8	141.9	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2
95°	501.6	483.8	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5
97.5°	1157.8	1124.0	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5
100°	1625.9	1585.5	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4
102.5°	2025.6	1991.0	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3
105°	2492.1	2473.5	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7
107.5°	2734.7	2739.2	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9
110°	2796.9	2816.3	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2757.3	2787.0	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9
115°	2622.8	2664.0	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9
117.5°	2436.9	2482.6	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1
120°	2311.7	2356.1	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8
122.5°	2186.6	2230.4	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7
125°	2020.9	2061.3	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8
127.5°	1887.9	1921.9	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0
130°	1804.0	1835.4	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7
132.5°	1732.4	1760.5	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8
135°	1631.3	1655.6	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8
137.5°	1556.7	1576.6	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5
140°	1496.8	1515.4	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6
142.5°	1454.9	1470.9	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6
145°	1391.9	1403.9	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7
147.5°	1339.0	1349.0	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2
150°	1308.7	1316.8	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2
152.5°	1284.6	1290.7	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8
155°	1255.8	1259.8	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5
157.5°	1230.9	1233.7	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2
160°	1218.5	1220.2	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8
162.5°	1206.8	1208.4	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5
165°	1188.9	1190.6	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5
167.5°	1181.1	1181.7	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4
172.5°	1174.9	1174.4	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1
177.5°	1164.8	1164.2	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1975.9	1975.9	1975.9	1975.9	1975.9
2.5°	1951.6	1960.9	1966.5	1974.0	1992.7
5°	1876.8	1912.3	1923.5	1951.6	1985.2
7.5°	1712.3	1820.7	1850.6	1917.9	1970.3
10°	1553.4	1661.8	1714.2	1873.1	1951.6
12.5°	1473.0	1536.6	1572.1	1794.5	1925.4
15°	1422.5	1467.4	1493.6	1689.9	1895.5
17.5°	1383.3	1415.1	1433.7	1587.0	1854.4
20°	1359.0	1373.9	1390.7	1512.3	1807.6
22.5°	1342.1	1332.8	1345.9	1459.9	1744.1
25°	1330.9	1295.4	1310.4	1418.8	1669.3
27.5°	1340.3	1261.8	1267.4	1381.4	1590.8
30°	1342.1	1220.6	1222.5	1342.1	1502.9
32.5°	1329.1	1177.6	1179.5	1293.5	1403.8
35°	1297.3	1127.2	1125.3	1237.5	1269.2
37.5°	1254.3	1073.0	1073.0	1175.8	1121.6
40°	1201.9	1018.8	1024.4	1095.5	990.8
42.5°	1138.4	960.9	968.4	988.9	893.6
45°	1069.3	904.8	910.4	835.6	818.8
47.5°	992.7	846.8	848.7	693.6	794.5
50°	901.1	787.0	779.5	594.5	792.6
52.5°	820.7	721.6	699.2	538.4	719.7
55°	742.2	652.4	603.8	495.4	667.4
57.5°	673.0	562.7	516.0	444.9	656.2
60°	609.4	474.8	439.3	390.7	602.0
62.5°	557.1	409.4	401.9	353.3	545.9
65°	501.0	364.5	362.7	321.5	463.6
67.5°	446.8	334.6	332.8	291.6	353.3
70°	388.8	302.8	299.1	259.8	261.7
72.5°	329.0	267.3	263.6	233.7	216.9
75°	269.2	226.2	224.3	203.8	175.7
77.5°	211.2	179.5	183.2	164.5	129.0
80°	151.4	130.9	134.6	117.8	97.2
82.5°	100.9	86.0	89.7	74.8	65.4
85°	56.1	48.6	50.5	39.3	29.9
87.5°	26.2	22.4	22.4	15.0	9.3
90°	34.2	21.8	20.2	14.0	7.8
92.5°	211.0	150.1	136.9	84.0	31.1
95°	519.1	292.4	268.2	171.4	74.7
97.5°	699.3	321.2	299.9	214.4	129.1
100°	764.9	345.3	325.9	248.4	171.1
102.5°	794.9	369.3	351.3	279.0	206.9
105°	817.2	405.1	389.8	328.6	267.5
107.5°	821.4	458.0	443.7	386.7	329.7
110°	815.2	487.5	474.6	423.1	371.6



TEST NUMBER: P935147

CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	815.4	523.3	511.1	461.9	412.9
115°	822.9	577.0	565.7	520.4	475.1
117.5°	838.2	629.1	618.8	577.6	536.5
120°	850.7	659.3	649.7	611.0	572.3
122.5°	868.5	695.1	685.4	646.3	607.3
125°	892.6	741.0	732.2	696.5	660.9
127.5°	916.8	785.3	776.4	740.4	704.5
130°	934.3	814.9	805.2	766.5	727.8
132.5°	948.6	839.0	829.3	790.6	751.9
135°	964.2	867.0	858.2	822.9	787.7
137.5°	987.5	902.7	894.0	859.1	824.2
140°	1001.7	926.9	918.8	886.7	854.5
142.5°	1013.7	944.7	937.3	907.6	877.9
145°	1029.3	972.0	965.6	939.6	913.7
147.5°	1052.1	1006.2	999.9	974.6	949.4
150°	1064.0	1024.1	1018.4	995.6	972.7
152.5°	1071.7	1035.7	1031.4	1014.2	996.9
155°	1088.8	1061.4	1058.2	1045.4	1032.6
157.5°	1105.9	1087.1	1084.0	1071.5	1059.0
160°	1113.8	1098.7	1096.3	1086.7	1077.0
162.5°	1122.0	1111.2	1109.4	1102.1	1094.8
165°	1134.0	1129.0	1127.3	1120.8	1114.3
167.5°	1143.2	1139.1	1138.4	1135.2	1132.1
170°	1151.1	1150.8	1150.1	1146.9	1143.8
172.5°	1151.6	1151.6	1151.4	1150.7	1150.1
175°	1156.2	1158.6	1158.6	1158.6	1158.6
177.5°	1156.8	1158.6	1158.6	1158.6	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935147  
 CATALOG NUMBER: SQ4-FA-100U-075D-92765-1D-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	11.57	12.35	12.60	13.39	14.79	14.40	15.19	15.44	16.23	17.63
	3H	12.04	12.74	13.08	13.79	15.21	15.75	16.45	16.79	17.50	18.92
	4H	12.22	12.89	13.28	13.94	15.37	16.19	16.85	17.24	17.90	19.33
	6H	12.34	12.95	13.41	14.01	15.45	16.47	17.08	17.54	18.14	19.58
	8H	12.34	12.92	13.41	13.99	15.43	16.54	17.13	17.61	18.20	19.63
	12H	12.31	12.86	13.38	13.93	15.38	16.58	17.13	17.66	18.20	19.66
4H	2H	12.59	13.26	13.65	14.31	15.73	14.80	15.47	15.87	16.52	17.95
	3H	13.61	14.16	14.68	15.24	16.68	16.30	16.86	17.37	17.94	19.38
	4H	13.88	14.39	14.96	15.46	16.92	16.83	17.34	17.91	18.41	19.87
	6H	14.00	14.44	15.09	15.53	16.99	17.19	17.63	18.28	18.72	20.18
	8H	14.01	14.41	15.09	15.50	16.97	17.30	17.71	18.38	18.79	20.26
	12H	13.97	14.34	15.07	15.44	16.91	17.35	17.72	18.46	18.82	20.30
8H	4H	14.33	14.74	15.42	15.82	17.30	16.95	17.35	18.03	18.44	19.91
	6H	14.59	14.93	15.70	16.05	17.52	17.38	17.72	18.49	18.85	20.31
	8H	14.63	14.93	15.75	16.04	17.52	17.54	17.83	18.65	18.94	20.43
	12H	14.61	14.87	15.73	15.98	17.50	17.63	17.89	18.75	19.00	20.52
12H	4H	14.33	14.70	15.44	15.80	17.28	16.91	17.28	18.01	18.38	19.85
	6H	14.65	14.95	15.77	16.06	17.54	17.38	17.67	18.49	18.78	20.27
	8H	14.71	14.97	15.83	16.08	17.60	17.54	17.80	18.66	18.90	20.43