

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: P935166

Luminaire Tested: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935166
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-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

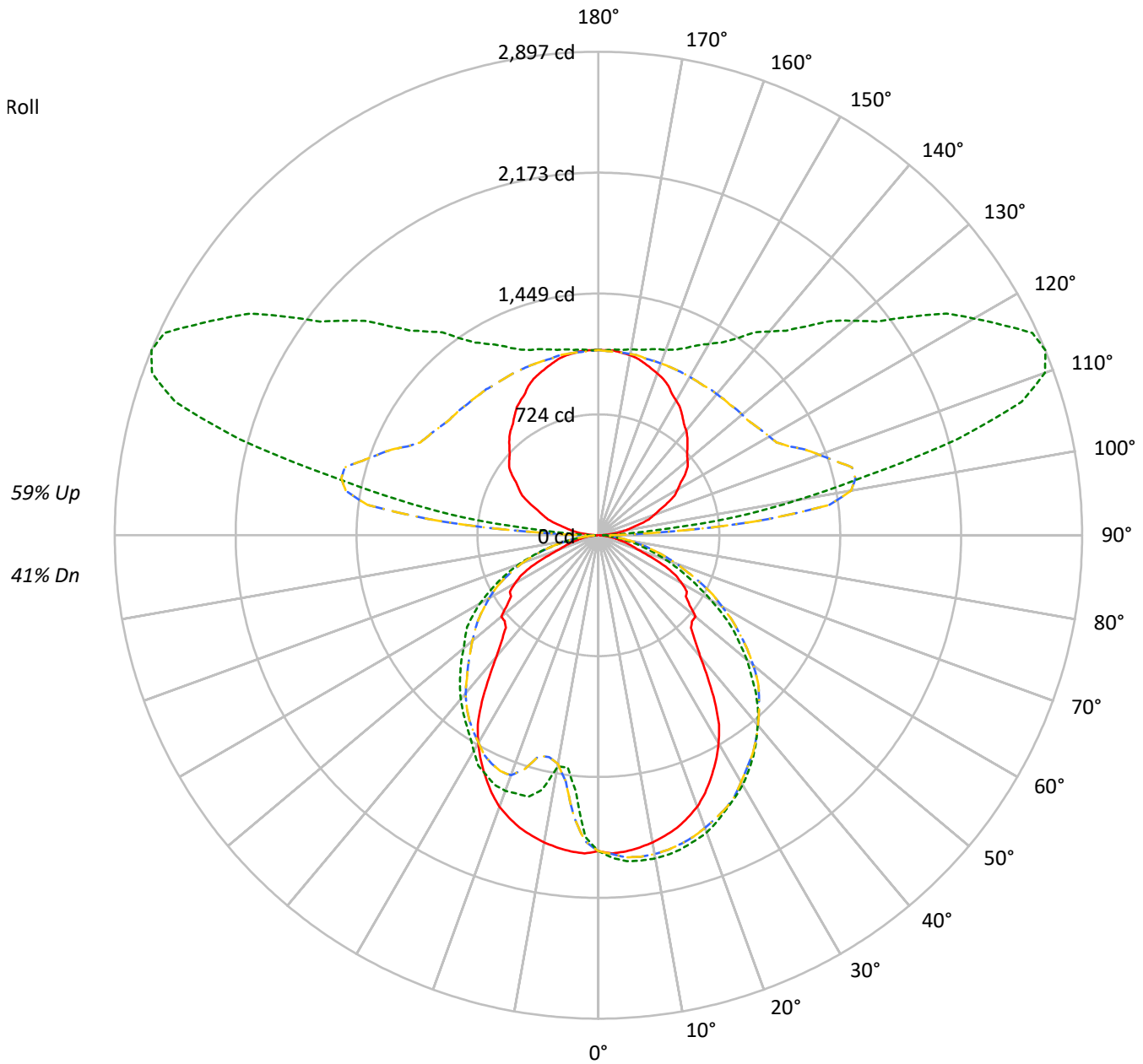
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12105.5 lumens
Efficiency: N/A
Efficacy: 123.0 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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	96	91	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	63	60	56	53	48	45	43	37	35	34	29
3	79	70	63	57	72	64	58	53	53	48	45	42	39	37	33	31	29	24
4	73	62	54	48	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	55	47	41	60	51	44	38	42	37	33	34	30	27	26	24	22	18
6	61	49	41	36	56	45	38	33	38	32	28	31	27	24	24	21	19	16
7	57	45	37	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	33	27	48	37	30	26	31	26	22	25	21	18	20	17	15	13
9	49	37	29	24	44	34	27	23	28	23	20	23	19	17	18	16	13	11
10	46	34	26	22	41	31	25	20	26	21	18	21	18	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8781	8781	8781	8781
5°	8847	8864	8847	6969
10°	8787	8731	8787	6242
15°	8692	8542	8692	7133
20°	8510	8318	8510	7148
25°	8138	7991	8138	6996
30°	7657	7720	7657	6664
35°	6826	7376	6826	6298
40°	5688	6972	5688	6022
45°	5083	6499	5083	5705
50°	5399	5935	5399	5386
55°	5081	5328	5081	5202
60°	5237	4525	5237	4764
65°	4748	3741	4748	4181
70°	3288	2981	3288	3505
75°	2882	2203	2882	2638
80°	2323	1457	2323	1587
85°	1332	771	1332	656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7789 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	1.4
10°-20°	485.1	4.0
20°-30°	749.8	6.2
30°-40°	895.1	7.4
40°-50°	900.4	7.4
50°-60°	783.5	6.5
60°-70°	555.5	4.6
70°-80°	293.9	2.4
80°-90°	77.4	0.6
90°-100°	541.0	4.5
100°-110°	1422.2	11.7
110°-120°	1474.7	12.2
120°-130°	1182.9	9.8
130°-140°	928.1	7.7
140°-150°	712.4	5.9
150°-160°	513.0	4.2
160°-170°	313.9	2.6
170°-180°	106.0	0.9
0°-30°	1405.7	11.6
0°-40°	2300.8	19.0
0°-60°	3984.6	32.9
0°-90°	4911.5	40.6
90°-120°	3437.8	28.4
90°-150°	6261.1	51.7
90°-180°	7194.0	59.4
0°-180°	12105.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1893	1893	1893	1893	1893	
5°	1902	1961	1902	1542	1902	180
15°	1816	1943	1816	1622	1816	511
25°	1599	1812	1599	1586	1599	734
35°	1216	1617	1216	1380	1216	752
45°	784	1332	784	1169	784	628
55°	639	983	639	960	639	587
65°	444	593	444	662	444	424
75°	168	281	168	337	168	177
85°	29	72	29	61	29	39
90°	7	28	7	28	7	7
95°	72	327	72	327	72	79
105°	256	2227	256	2227	256	272
115°	455	2868	455	2868	455	449
125°	633	2284	633	2284	633	562
135°	754	1772	754	1772	754	584
145°	875	1437	875	1437	875	548
155°	989	1238	989	1238	989	454
165°	1067	1153	1067	1153	1067	301
175°	1110	1117	1110	1117	1110	105
180°	1110	1110	1110	1110	1110	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1908.7	1908.7	1919.5	1923.0	1923.0	1917.7	1912.3	1917.7	1933.8	1939.2	1937.4
5°	1901.6	1915.9	1935.6	1939.2	1942.7	1940.9	1937.4	1940.9	1958.9	1962.4	1964.2
7.5°	1887.2	1914.1	1939.2	1944.5	1949.9	1944.5	1942.7	1946.3	1964.2	1967.8	1967.8
10°	1869.3	1906.9	1935.6	1939.2	1944.5	1939.2	1939.2	1946.3	1964.2	1967.8	1969.6
12.5°	1844.3	1896.2	1923.0	1926.6	1933.8	1932.0	1930.2	1937.4	1955.3	1958.9	1958.9
15°	1815.6	1876.5	1901.6	1905.1	1917.7	1914.1	1914.1	1921.3	1940.9	1946.3	1944.5
17.5°	1776.2	1851.4	1880.1	1885.4	1894.4	1892.6	1894.4	1901.6	1919.5	1923.0	1924.8
20°	1731.4	1817.4	1851.4	1856.8	1865.7	1865.7	1865.7	1874.7	1892.6	1899.8	1899.8
22.5°	1670.6	1781.6	1817.4	1821.0	1831.7	1831.7	1835.3	1847.8	1864.0	1865.7	1865.7
25°	1598.9	1742.2	1772.6	1783.4	1794.1	1799.5	1804.9	1812.0	1817.4	1815.6	1817.4
27.5°	1523.7	1692.1	1731.4	1738.6	1752.9	1758.3	1765.5	1767.3	1769.0	1774.4	1770.8
30°	1439.6	1622.2	1681.3	1688.5	1711.7	1715.3	1708.2	1711.7	1720.7	1724.3	1727.9
32.5°	1344.7	1518.4	1629.4	1645.5	1667.0	1656.2	1654.4	1659.8	1674.1	1674.1	1677.7
35°	1215.7	1437.8	1581.0	1595.4	1611.5	1598.9	1606.1	1607.9	1616.8	1622.2	1620.4
37.5°	1074.3	1367.9	1530.9	1541.6	1554.2	1538.1	1548.8	1554.2	1561.3	1557.8	1557.8
40°	949.0	1258.7	1471.8	1479.0	1489.7	1477.2	1487.9	1491.5	1495.1	1491.5	1489.7
42.5°	855.9	1138.7	1409.1	1418.1	1410.9	1419.9	1423.5	1430.6	1425.2	1418.1	1418.1
45°	784.3	1106.5	1341.1	1351.8	1341.1	1355.4	1360.8	1360.8	1344.7	1341.1	1339.3
47.5°	761.0	1042.1	1273.0	1273.0	1267.7	1285.6	1294.5	1282.0	1265.9	1260.5	1260.5
50°	759.2	970.5	1179.9	1172.8	1197.8	1219.3	1210.4	1197.8	1185.3	1165.6	1165.6
52.5°	689.4	882.8	1060.0	1086.8	1126.2	1138.7	1124.4	1111.9	1090.4	1081.4	1074.3
55°	639.3	791.5	950.8	1004.5	1045.7	1061.8	1035.0	1022.4	990.2	984.8	981.3
57.5°	628.5	658.9	850.5	918.6	968.7	966.9	950.8	927.5	900.7	895.3	893.5
60°	576.6	476.3	743.1	823.7	875.6	870.2	855.9	834.4	809.4	805.8	802.2
62.5°	522.9	345.6	621.3	712.7	786.1	784.3	771.8	739.5	721.6	712.7	705.5
65°	444.1	290.1	442.3	592.7	698.3	701.9	675.1	651.8	632.1	621.3	619.6
67.5°	338.4	236.4	299.0	494.2	614.2	610.6	576.6	565.8	540.8	535.4	524.7
70°	250.7	157.6	207.7	401.1	531.8	522.9	496.0	483.5	460.2	447.7	440.5
72.5°	207.7	127.1	152.2	311.6	447.7	436.9	413.6	399.3	379.6	368.9	361.7
75°	168.3	134.3	116.4	231.0	363.5	356.3	334.8	320.5	304.4	290.1	291.9
77.5°	123.6	125.3	93.1	170.1	288.3	277.5	265.0	247.1	239.9	225.6	225.6
80°	93.1	98.5	69.8	116.4	207.7	207.7	197.0	184.4	171.9	164.7	164.7
82.5°	62.7	62.7	51.9	73.4	141.5	136.1	128.9	125.3	118.2	114.6	114.6
85°	28.6	35.8	32.2	44.8	77.0	80.6	80.6	77.0	75.2	71.6	73.4
87.5°	9.0	16.1	19.7	25.1	39.4	41.2	43.0	43.0	43.0	44.8	44.8
90°	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7	28.3	28.3
92.5°	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6	141.5	135.9
95°	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8	480.4	463.4
97.5°	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1	1109.0	1076.6
100°	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4	1557.4	1518.7
102.5°	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1	1940.2	1907.1
105°	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4	2387.1	2369.3
107.5°	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6	2619.4	2623.7
110°	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5	2679.0	2697.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6	2641.1	2669.6
115°	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7	2512.2	2551.7
117.5°	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3	2334.2	2377.9
120°	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9	2214.3	2256.8
122.5°	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3	2094.4	2136.4
125°	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4	1935.8	1974.4
127.5°	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2	1808.4	1840.9
130°	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6	1728.0	1758.0
132.5°	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1	1659.4	1686.3
135°	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6	1562.6	1585.9
137.5°	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5	1491.1	1510.1
140°	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5	1433.8	1451.6
142.5°	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7	1393.6	1408.9
145°	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0	1333.2	1344.8
147.5°	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2	1282.5	1292.1
150°	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9	1253.5	1261.3
152.5°	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5	1230.4	1236.3
155°	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1	1202.9	1206.7
157.5°	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2	1179.0	1181.7
160°	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3	1167.1	1168.7
162.5°	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8	1155.9	1157.5
165°	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4	1138.8	1140.4
167.5°	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9	1131.3	1131.9
170°	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9	1131.3	1131.3
172.5°	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0	1125.4	1124.9
175°	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4	1117.2	1117.2
177.5°	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0	1115.7	1115.1
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1940.9	1935.6	1940.9	1937.4	1939.2	1933.8	1917.7	1912.3	1917.7	1923.0	1923.0
5°	1964.2	1960.6	1964.2	1964.2	1962.4	1958.9	1940.9	1937.4	1940.9	1942.7	1939.2
7.5°	1971.4	1966.0	1971.4	1967.8	1967.8	1964.2	1946.3	1942.7	1944.5	1949.9	1944.5
10°	1971.4	1966.0	1971.4	1969.6	1967.8	1964.2	1946.3	1939.2	1939.2	1944.5	1939.2
12.5°	1962.4	1958.9	1962.4	1958.9	1958.9	1955.3	1937.4	1930.2	1932.0	1933.8	1926.6
15°	1948.1	1942.7	1948.1	1944.5	1946.3	1940.9	1921.3	1914.1	1914.1	1917.7	1905.1
17.5°	1926.6	1919.5	1926.6	1924.8	1923.0	1919.5	1901.6	1894.4	1892.6	1894.4	1885.4
20°	1901.6	1896.2	1901.6	1899.8	1899.8	1892.6	1874.7	1865.7	1865.7	1865.7	1856.8
22.5°	1862.2	1856.8	1862.2	1865.7	1865.7	1864.0	1847.8	1835.3	1831.7	1831.7	1821.0
25°	1817.4	1812.0	1817.4	1817.4	1815.6	1817.4	1812.0	1804.9	1799.5	1794.1	1783.4
27.5°	1774.4	1770.8	1774.4	1770.8	1774.4	1769.0	1767.3	1765.5	1758.3	1752.9	1738.6
30°	1731.4	1727.9	1731.4	1727.9	1724.3	1720.7	1711.7	1708.2	1715.3	1711.7	1688.5
32.5°	1677.7	1674.1	1677.7	1677.7	1674.1	1674.1	1659.8	1654.4	1656.2	1667.0	1645.5
35°	1622.2	1616.8	1622.2	1620.4	1622.2	1616.8	1607.9	1606.1	1598.9	1611.5	1595.4
37.5°	1557.8	1552.4	1557.8	1557.8	1557.8	1561.3	1554.2	1548.8	1538.1	1554.2	1541.6
40°	1491.5	1484.3	1491.5	1489.7	1491.5	1495.1	1491.5	1487.9	1477.2	1489.7	1479.0
42.5°	1416.3	1414.5	1416.3	1418.1	1418.1	1425.2	1430.6	1423.5	1419.9	1410.9	1418.1
45°	1335.7	1332.1	1335.7	1339.3	1341.1	1344.7	1360.8	1360.8	1355.4	1341.1	1351.8
47.5°	1249.8	1240.8	1249.8	1260.5	1260.5	1265.9	1282.0	1294.5	1285.6	1267.7	1273.0
50°	1158.4	1160.2	1158.4	1165.6	1165.6	1185.3	1197.8	1210.4	1219.3	1197.8	1172.8
52.5°	1068.9	1067.2	1068.9	1074.3	1081.4	1090.4	1111.9	1124.4	1138.7	1126.2	1086.8
55°	979.5	983.1	979.5	981.3	984.8	990.2	1022.4	1035.0	1061.8	1045.7	1004.5
57.5°	889.9	884.6	889.9	893.5	895.3	900.7	927.5	950.8	966.9	968.7	918.6
60°	786.1	778.9	786.1	802.2	805.8	809.4	834.4	855.9	870.2	875.6	823.7
62.5°	694.8	682.2	694.8	705.5	712.7	721.6	739.5	771.8	784.3	786.1	712.7
65°	598.1	592.7	598.1	619.6	621.3	632.1	651.8	675.1	701.9	698.3	592.7
67.5°	510.3	510.3	510.3	524.7	535.4	540.8	565.8	576.6	610.6	614.2	494.2
70°	429.7	428.0	429.7	440.5	447.7	460.2	483.5	496.0	522.9	531.8	401.1
72.5°	352.8	351.0	352.8	361.7	368.9	379.6	399.3	413.6	436.9	447.7	311.6
75°	284.7	281.1	284.7	291.9	290.1	304.4	320.5	334.8	356.3	363.5	231.0
77.5°	218.5	218.5	218.5	225.6	225.6	239.9	247.1	265.0	277.5	288.3	170.1
80°	162.9	161.2	162.9	164.7	164.7	171.9	184.4	197.0	207.7	207.7	116.4
82.5°	114.6	111.0	114.6	114.6	114.6	118.2	125.3	128.9	136.1	141.5	73.4
85°	71.6	71.6	71.6	73.4	71.6	75.2	77.0	80.6	80.6	77.0	44.8
87.5°	46.6	44.8	46.6	44.8	44.8	43.0	43.0	43.0	41.2	39.4	25.1
90°	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6	32.8	20.9
92.5°	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9	202.1	143.8
95°	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9	497.3	280.1
97.5°	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8	669.9	307.6
100°	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6	732.6	330.7
102.5°	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9	761.4	353.7
105°	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1	782.8	388.0
107.5°	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8	786.8	438.7
110°	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2	780.8	467.0



TEST NUMBER: P935166

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1	781.1	501.3
115°	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4	788.2	552.7
117.5°	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0	802.9	602.5
120°	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2	814.8	631.6
122.5°	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3	831.9	665.8
125°	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7	855.0	709.8
127.5°	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0	878.1	752.2
130°	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6	895.0	780.5
132.5°	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7	908.7	803.6
135°	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7	923.6	830.5
137.5°	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1	945.9	864.7
140°	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2	959.5	887.8
142.5°	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0	971.0	904.9
145°	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1	985.9	931.0
147.5°	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3	1007.8	963.8
150°	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1	1019.1	980.9
152.5°	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6	1026.6	992.1
155°	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0	1042.9	1016.6
157.5°	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5	1059.3	1041.2
160°	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0	1066.9	1052.4
162.5°	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6	1074.7	1064.3
165°	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5	1086.2	1081.4
167.5°	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3	1095.1	1091.1
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8	1102.6	1102.3
172.5°	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5	1107.5	1109.7
177.5°	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7	1108.0	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1919.5	1908.7	1908.7	1890.8	1883.6	1878.3	1869.3	1842.5	1835.3	1828.1	1838.9
5°	1935.6	1915.9	1901.6	1869.3	1842.5	1831.7	1797.7	1733.2	1690.3	1658.0	1640.1
7.5°	1939.2	1914.1	1887.2	1837.1	1772.6	1744.0	1640.1	1521.9	1489.7	1461.1	1443.2
10°	1935.6	1906.9	1869.3	1794.1	1641.9	1591.8	1487.9	1410.9	1391.2	1385.9	1391.2
12.5°	1923.0	1896.2	1844.3	1718.9	1505.8	1471.8	1410.9	1366.2	1362.6	1371.5	1419.9
15°	1901.6	1876.5	1815.6	1618.6	1430.6	1405.6	1362.6	1346.5	1366.2	1428.8	1573.9
17.5°	1880.1	1851.4	1776.2	1520.2	1373.3	1355.4	1325.0	1357.2	1468.2	1552.4	1600.7
20°	1851.4	1817.4	1731.4	1448.5	1332.1	1316.0	1301.7	1446.7	1530.9	1561.3	1588.2
22.5°	1817.4	1781.6	1670.6	1398.4	1289.2	1276.6	1285.6	1496.9	1530.9	1552.4	1575.7
25°	1772.6	1742.2	1598.9	1359.0	1255.1	1240.8	1274.8	1491.5	1511.2	1516.6	1563.1
27.5°	1731.4	1692.1	1523.7	1323.2	1214.0	1208.6	1283.8	1468.2	1482.5	1487.9	1538.1
30°	1681.3	1622.2	1439.6	1285.6	1171.0	1169.2	1285.6	1439.6	1436.0	1450.3	1500.5
32.5°	1629.4	1518.4	1344.7	1239.0	1129.8	1128.0	1273.0	1396.6	1393.0	1412.7	1450.3
35°	1581.0	1437.8	1215.7	1185.3	1077.9	1079.7	1242.6	1346.5	1348.3	1366.2	1389.4
37.5°	1530.9	1367.9	1074.3	1126.2	1027.8	1027.8	1201.4	1299.9	1296.3	1301.7	1333.9
40°	1471.8	1258.7	949.0	1049.3	981.3	975.9	1151.3	1249.8	1237.2	1235.4	1280.2
42.5°	1409.1	1138.7	855.9	947.2	927.5	920.4	1090.4	1188.9	1165.6	1171.0	1228.3
45°	1341.1	1106.5	784.3	800.4	872.0	866.7	1024.2	1119.1	1102.9	1117.3	1176.4
47.5°	1273.0	1042.1	761.0	664.3	812.9	811.2	950.8	1051.1	1042.1	1056.5	1119.1
50°	1179.9	970.5	759.2	569.4	746.7	753.9	863.1	984.8	984.8	997.4	1063.6
52.5°	1060.0	882.8	689.4	515.7	669.7	691.2	786.1	927.5	931.1	943.7	1002.7
55°	950.8	791.5	639.3	474.5	578.4	624.9	710.9	868.5	875.6	888.1	941.9
57.5°	850.5	658.9	628.5	426.2	494.2	539.0	644.6	811.2	814.7	825.5	877.4
60°	743.1	476.3	576.6	374.2	420.8	454.8	583.7	743.1	755.6	762.8	807.6
62.5°	621.3	345.6	522.9	338.4	385.0	392.1	533.6	678.6	694.8	700.1	727.0
65°	442.3	290.1	444.1	308.0	347.4	349.2	479.9	612.4	626.7	635.7	655.4
67.5°	299.0	236.4	338.4	279.3	318.7	320.5	428.0	535.4	555.1	562.3	574.8
70°	207.7	157.6	250.7	248.9	286.5	290.1	372.4	465.6	483.5	488.8	496.0
72.5°	152.2	127.1	207.7	223.8	252.5	256.1	315.1	386.8	404.7	410.1	413.6
75°	116.4	134.3	168.3	195.2	214.9	216.7	257.8	315.1	327.7	331.3	333.1
77.5°	93.1	125.3	123.6	157.6	175.5	171.9	202.3	243.5	254.3	254.3	254.3
80°	69.8	98.5	93.1	112.8	128.9	125.3	145.0	173.7	177.3	180.9	179.1
82.5°	51.9	62.7	62.7	71.6	85.9	82.4	96.7	112.8	112.8	112.8	116.4
85°	32.2	35.8	28.6	37.6	48.3	46.6	53.7	60.9	62.7	62.7	59.1
87.5°	19.7	16.1	9.0	14.3	21.5	21.5	25.1	26.9	25.1	25.1	25.1
90°	19.3	13.4	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7
92.5°	131.2	80.5	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6
95°	256.9	164.2	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8
97.5°	287.2	205.4	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1
100°	312.2	238.0	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4
102.5°	336.5	267.3	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1
105°	373.3	314.8	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4
107.5°	425.0	370.4	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6
110°	454.6	405.3	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5



TEST NUMBER: P935166

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	489.6	442.5	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6
115°	541.8	498.4	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7
117.5°	592.7	553.3	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3
120°	622.3	585.3	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9
122.5°	656.5	619.1	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3
125°	701.3	667.2	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4
127.5°	743.6	709.2	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2
130°	771.2	734.2	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6
132.5°	794.3	757.3	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1
135°	822.1	788.2	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6
137.5°	856.4	822.9	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5
140°	880.1	849.3	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5
142.5°	897.8	869.3	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7
145°	924.9	900.0	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0
147.5°	957.7	933.5	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2
150°	975.4	953.6	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9
152.5°	988.0	971.4	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5
155°	1013.6	1001.3	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1
157.5°	1038.3	1026.3	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2
160°	1050.1	1040.9	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3
162.5°	1062.6	1055.7	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8
165°	1079.8	1073.6	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4
167.5°	1090.4	1087.4	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9
170°	1101.6	1098.5	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9
172.5°	1102.8	1102.2	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0
175°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4
177.5°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935166

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1826.3	1821.0	1828.1	1808.4	1828.1	1821.0	1826.3	1838.9	1828.1	1835.3	1842.5
5°	1602.5	1593.6	1564.9	1541.6	1564.9	1593.6	1602.5	1640.1	1658.0	1690.3	1733.2
7.5°	1432.4	1425.2	1418.1	1403.8	1418.1	1425.2	1432.4	1443.2	1461.1	1489.7	1521.9
10°	1394.8	1396.6	1407.3	1405.6	1407.3	1396.6	1394.8	1391.2	1385.9	1391.2	1410.9
12.5°	1491.5	1507.6	1566.7	1563.1	1566.7	1507.6	1491.5	1419.9	1371.5	1362.6	1366.2
15°	1602.5	1607.9	1620.4	1622.2	1620.4	1607.9	1602.5	1573.9	1428.8	1366.2	1346.5
17.5°	1613.3	1615.1	1624.0	1624.0	1624.0	1615.1	1613.3	1600.7	1552.4	1468.2	1357.2
20°	1604.3	1607.9	1625.8	1629.4	1625.8	1607.9	1604.3	1588.2	1561.3	1530.9	1446.7
22.5°	1600.7	1607.9	1622.2	1620.4	1622.2	1607.9	1600.7	1575.7	1552.4	1530.9	1496.9
25°	1582.8	1582.8	1584.6	1586.4	1584.6	1582.8	1582.8	1563.1	1516.6	1511.2	1491.5
27.5°	1545.2	1548.8	1559.5	1557.8	1559.5	1548.8	1545.2	1538.1	1487.9	1482.5	1468.2
30°	1511.2	1507.6	1498.7	1491.5	1498.7	1507.6	1511.2	1500.5	1450.3	1436.0	1439.6
32.5°	1453.9	1444.9	1436.0	1430.6	1436.0	1444.9	1453.9	1450.3	1412.7	1393.0	1396.6
35°	1385.9	1387.6	1385.9	1380.5	1385.9	1387.6	1385.9	1389.4	1366.2	1348.3	1346.5
37.5°	1337.5	1341.1	1339.3	1332.1	1339.3	1341.1	1337.5	1333.9	1301.7	1296.3	1299.9
40°	1287.4	1289.2	1287.4	1282.0	1287.4	1289.2	1287.4	1280.2	1235.4	1237.2	1249.8
42.5°	1239.0	1237.2	1231.9	1228.3	1231.9	1237.2	1239.0	1228.3	1171.0	1165.6	1188.9
45°	1183.5	1185.3	1174.6	1169.2	1174.6	1185.3	1183.5	1176.4	1117.3	1102.9	1119.1
47.5°	1128.0	1128.0	1119.1	1113.7	1119.1	1128.0	1128.0	1119.1	1056.5	1042.1	1051.1
50°	1068.9	1067.2	1054.7	1052.9	1054.7	1067.2	1068.9	1063.6	997.4	984.8	984.8
52.5°	1001.0	1001.0	1002.7	1006.3	1002.7	1001.0	1001.0	1002.7	943.7	931.1	927.5
55°	941.9	943.7	956.2	959.8	956.2	943.7	941.9	941.9	888.1	875.6	868.5
57.5°	881.0	881.0	889.9	889.9	889.9	881.0	881.0	877.4	825.5	814.7	811.2
60°	811.2	814.7	821.9	820.1	821.9	814.7	811.2	807.6	762.8	755.6	743.1
62.5°	737.7	741.3	743.1	739.5	743.1	741.3	737.7	727.0	700.1	694.8	678.6
65°	660.7	664.3	666.1	662.5	666.1	664.3	660.7	655.4	635.7	626.7	612.4
67.5°	582.0	580.2	578.4	585.5	578.4	580.2	582.0	574.8	562.3	555.1	535.4
70°	501.4	501.4	499.6	503.2	499.6	501.4	501.4	496.0	488.8	483.5	465.6
72.5°	415.4	413.6	420.8	415.4	420.8	413.6	415.4	413.6	410.1	404.7	386.8
75°	331.3	334.8	331.3	336.6	331.3	334.8	331.3	333.1	331.3	327.7	315.1
77.5°	252.5	256.1	252.5	252.5	252.5	256.1	252.5	254.3	254.3	254.3	243.5
80°	179.1	177.3	177.3	175.5	177.3	177.3	179.1	179.1	180.9	177.3	173.7
82.5°	114.6	112.8	112.8	116.4	112.8	112.8	114.6	116.4	112.8	112.8	112.8
85°	62.7	64.5	60.9	60.9	60.9	64.5	62.7	59.1	62.7	62.7	60.9
87.5°	23.3	21.5	21.5	21.5	21.5	21.5	23.3	25.1	25.1	25.1	26.9
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6
92.5°	141.5	135.9	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9
95°	480.4	463.4	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9
97.5°	1109.0	1076.6	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8
100°	1557.4	1518.7	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6
102.5°	1940.2	1907.1	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9
105°	2387.1	2369.3	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1
107.5°	2619.4	2623.7	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8
110°	2679.0	2697.6	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2641.1	2669.6	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1
115°	2512.2	2551.7	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4
117.5°	2334.2	2377.9	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0
120°	2214.3	2256.8	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2
122.5°	2094.4	2136.4	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3
125°	1935.8	1974.4	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7
127.5°	1808.4	1840.9	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0
130°	1728.0	1758.0	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6
132.5°	1659.4	1686.3	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7
135°	1562.6	1585.9	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7
137.5°	1491.1	1510.1	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1
140°	1433.8	1451.6	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2
142.5°	1393.6	1408.9	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0
145°	1333.2	1344.8	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1
147.5°	1282.5	1292.1	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3
150°	1253.5	1261.3	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1
152.5°	1230.4	1236.3	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6
155°	1202.9	1206.7	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0
157.5°	1179.0	1181.7	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5
160°	1167.1	1168.7	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0
162.5°	1155.9	1157.5	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6
165°	1138.8	1140.4	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5
167.5°	1131.3	1131.9	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8
172.5°	1125.4	1124.9	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5
177.5°	1115.7	1115.1	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1892.6	1892.6	1892.6	1892.6	1892.6
2.5°	1869.3	1878.3	1883.6	1890.8	1908.7
5°	1797.7	1831.7	1842.5	1869.3	1901.6
7.5°	1640.1	1744.0	1772.6	1837.1	1887.2
10°	1487.9	1591.8	1641.9	1794.1	1869.3
12.5°	1410.9	1471.8	1505.8	1718.9	1844.3
15°	1362.6	1405.6	1430.6	1618.6	1815.6
17.5°	1325.0	1355.4	1373.3	1520.2	1776.2
20°	1301.7	1316.0	1332.1	1448.5	1731.4
22.5°	1285.6	1276.6	1289.2	1398.4	1670.6
25°	1274.8	1240.8	1255.1	1359.0	1598.9
27.5°	1283.8	1208.6	1214.0	1323.2	1523.7
30°	1285.6	1169.2	1171.0	1285.6	1439.6
32.5°	1273.0	1128.0	1129.8	1239.0	1344.7
35°	1242.6	1079.7	1077.9	1185.3	1215.7
37.5°	1201.4	1027.8	1027.8	1126.2	1074.3
40°	1151.3	975.9	981.3	1049.3	949.0
42.5°	1090.4	920.4	927.5	947.2	855.9
45°	1024.2	866.7	872.0	800.4	784.3
47.5°	950.8	811.2	812.9	664.3	761.0
50°	863.1	753.9	746.7	569.4	759.2
52.5°	786.1	691.2	669.7	515.7	689.4
55°	710.9	624.9	578.4	474.5	639.3
57.5°	644.6	539.0	494.2	426.2	628.5
60°	583.7	454.8	420.8	374.2	576.6
62.5°	533.6	392.1	385.0	338.4	522.9
65°	479.9	349.2	347.4	308.0	444.1
67.5°	428.0	320.5	318.7	279.3	338.4
70°	372.4	290.1	286.5	248.9	250.7
72.5°	315.1	256.1	252.5	223.8	207.7
75°	257.8	216.7	214.9	195.2	168.3
77.5°	202.3	171.9	175.5	157.6	123.6
80°	145.0	125.3	128.9	112.8	93.1
82.5°	96.7	82.4	85.9	71.6	62.7
85°	53.7	46.6	48.3	37.6	28.6
87.5°	25.1	21.5	21.5	14.3	9.0
90°	32.8	20.9	19.3	13.4	7.4
92.5°	202.1	143.8	131.2	80.5	29.8
95°	497.3	280.1	256.9	164.2	71.5
97.5°	669.9	307.6	287.2	205.4	123.6
100°	732.6	330.7	312.2	238.0	163.8
102.5°	761.4	353.7	336.5	267.3	198.1
105°	782.8	388.0	373.3	314.8	256.2
107.5°	786.8	438.7	425.0	370.4	315.8
110°	780.8	467.0	454.6	405.3	356.0



TEST NUMBER: P935166

CATALOG NUMBER: SQ4-FA-100U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	781.1	501.3	489.6	442.5	395.5
115°	788.2	552.7	541.8	498.4	455.1
117.5°	802.9	602.5	592.7	553.3	513.9
120°	814.8	631.6	622.3	585.3	548.2
122.5°	831.9	665.8	656.5	619.1	581.7
125°	855.0	709.8	701.3	667.2	633.1
127.5°	878.1	752.2	743.6	709.2	674.8
130°	895.0	780.5	771.2	734.2	697.1
132.5°	908.7	803.6	794.3	757.3	720.2
135°	923.6	830.5	822.1	788.2	754.5
137.5°	945.9	864.7	856.4	822.9	789.5
140°	959.5	887.8	880.1	849.3	818.5
142.5°	971.0	904.9	897.8	869.3	840.9
145°	985.9	931.0	924.9	900.0	875.2
147.5°	1007.8	963.8	957.7	933.5	909.4
150°	1019.1	980.9	975.4	953.6	931.8
152.5°	1026.6	992.1	988.0	971.4	954.9
155°	1042.9	1016.6	1013.6	1001.3	989.1
157.5°	1059.3	1041.2	1038.3	1026.3	1014.4
160°	1066.9	1052.4	1050.1	1040.9	1031.6
162.5°	1074.7	1064.3	1062.6	1055.7	1048.7
165°	1086.2	1081.4	1079.8	1073.6	1067.3
167.5°	1095.1	1091.1	1090.4	1087.4	1084.4
170°	1102.6	1102.3	1101.6	1098.5	1095.6
172.5°	1103.0	1103.0	1102.8	1102.2	1101.6
175°	1107.5	1109.7	1109.7	1109.7	1109.7
177.5°	1108.0	1109.7	1109.7	1109.7	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7



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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	11.42	12.20	12.45	13.24	14.64	14.25	15.04	15.29	16.08	17.48
	3H	11.89	12.59	12.93	13.64	15.06	15.60	16.30	16.64	17.35	18.77
	4H	12.07	12.74	13.13	13.79	15.22	16.04	16.70	17.09	17.75	19.18
	6H	12.19	12.80	13.26	13.86	15.30	16.32	16.93	17.39	17.99	19.43
	8H	12.19	12.77	13.26	13.84	15.28	16.39	16.98	17.46	18.05	19.48
	12H	12.16	12.71	13.23	13.78	15.23	16.43	16.98	17.51	18.05	19.51
4H	2H	12.44	13.11	13.50	14.16	15.58	14.65	15.32	15.72	16.37	17.80
	3H	13.46	14.01	14.53	15.09	16.53	16.15	16.71	17.22	17.79	19.23
	4H	13.73	14.24	14.81	15.31	16.77	16.68	17.19	17.76	18.26	19.72
	6H	13.85	14.29	14.94	15.38	16.84	17.04	17.48	18.13	18.57	20.03
	8H	13.86	14.26	14.94	15.35	16.82	17.15	17.56	18.23	18.64	20.11
	12H	13.82	14.19	14.92	15.29	16.76	17.20	17.57	18.31	18.67	20.15
8H	4H	14.18	14.59	15.27	15.67	17.15	16.80	17.20	17.88	18.29	19.76
	6H	14.44	14.78	15.55	15.90	17.37	17.23	17.57	18.34	18.70	20.16
	8H	14.48	14.78	15.60	15.89	17.37	17.39	17.68	18.50	18.79	20.28
	12H	14.46	14.72	15.58	15.83	17.35	17.48	17.74	18.60	18.85	20.37
12H	4H	14.18	14.55	15.29	15.65	17.13	16.76	17.13	17.86	18.23	19.70
	6H	14.50	14.80	15.62	15.91	17.39	17.23	17.52	18.34	18.63	20.12
	8H	14.56	14.82	15.68	15.93	17.45	17.39	17.65	18.51	18.75	20.28