

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: P935262

Luminaire Tested: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935262
REPORT IS A COMBINATION OF REPORTS P933747 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

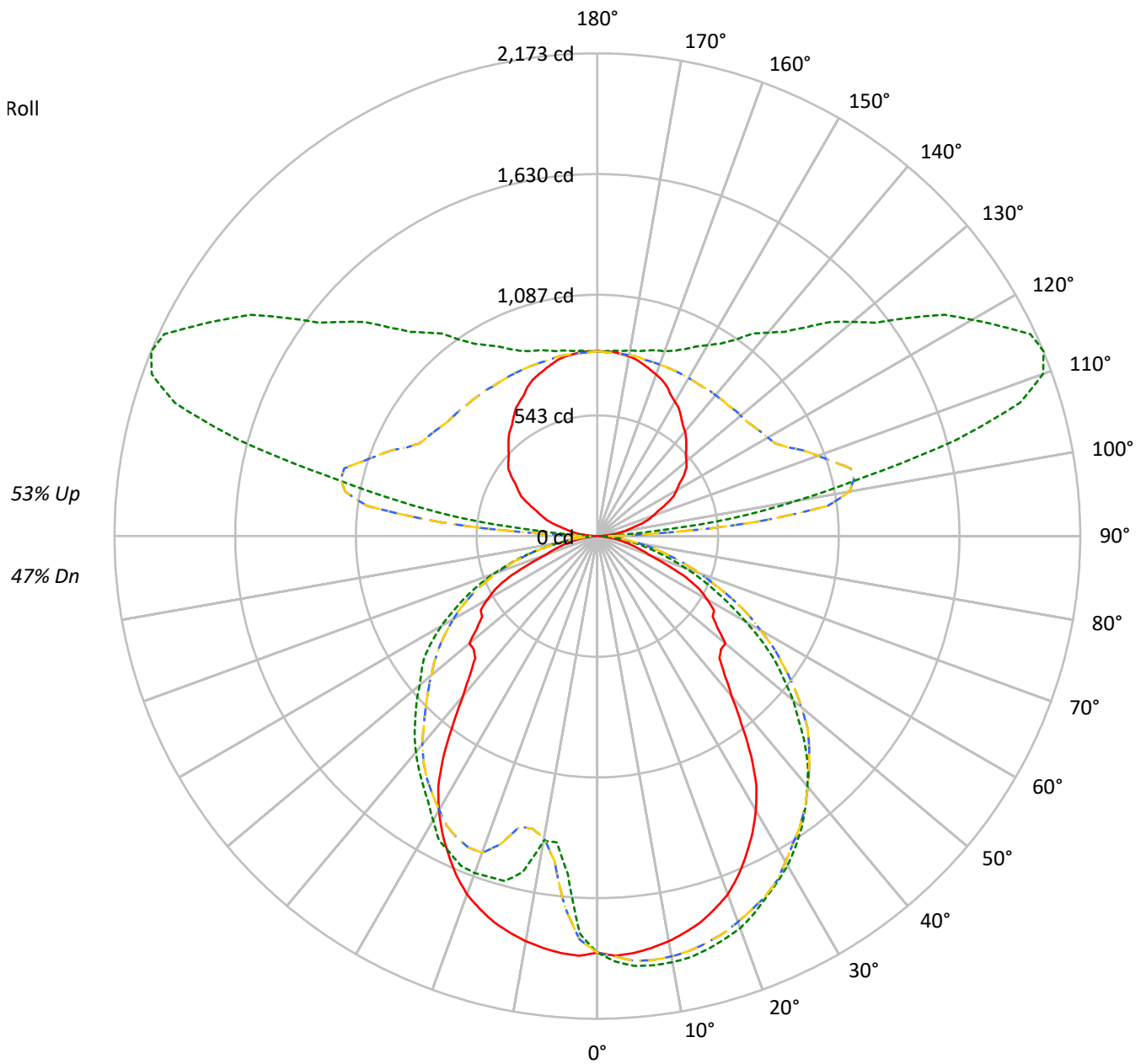
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10261.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 87
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: P935262
CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11601	11601	11601	11601
5°	11683	11710	11683	9208
10°	11601	11536	11601	8247
15°	11470	11286	11470	9424
20°	11227	10990	11227	9443
25°	10731	10558	10731	9244
30°	10093	10199	10093	8804
35°	8993	9746	8993	8321
40°	7489	9212	7489	7957
45°	6687	8587	6687	7536
50°	7098	7842	7098	7116
55°	6673	7039	6673	6872
60°	6870	5978	6870	6294
65°	6218	4941	6218	5524
70°	4296	3938	4296	4630
75°	3753	2911	3753	3487
80°	3001	1925	3001	2096
85°	1693	1020	1693	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10256 cd/sqm



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	1.6
10°-20°	480.6	4.7
20°-30°	743.0	7.2
30°-40°	887.0	8.6
40°-50°	892.2	8.7
50°-60°	776.3	7.6
60°-70°	550.4	5.4
70°-80°	291.2	2.8
80°-90°	75.7	0.7
90°-100°	405.7	4.0
100°-110°	1066.6	10.4
110°-120°	1106.0	10.8
120°-130°	887.1	8.6
130°-140°	696.1	6.8
140°-150°	534.3	5.2
150°-160°	384.8	3.7
160°-170°	235.4	2.3
170°-180°	79.5	0.8
0°-30°	1392.9	13.6
0°-40°	2279.9	22.2
0°-60°	3948.3	38.5
0°-90°	4865.6	47.4
90°-120°	2578.3	25.1
90°-150°	4695.8	45.8
90°-180°	5396.0	52.6
0°-180°	10261.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1875	1875	1875	1875	1875	
5°	1884	1943	1884	1528	1884	179
15°	1799	1925	1799	1607	1799	506
25°	1584	1796	1584	1572	1584	727
35°	1205	1602	1205	1368	1205	745
45°	777	1320	777	1158	777	622
55°	633	974	633	951	633	582
65°	440	587	440	656	440	421
75°	167	278	167	334	167	175
85°	28	71	28	60	28	38
90°	6	21	6	21	6	6
95°	54	245	54	245	54	60
105°	192	1670	192	1670	192	204
115°	341	2151	341	2151	341	337
125°	475	1713	475	1713	475	422
135°	566	1329	566	1329	566	438
145°	656	1078	656	1078	656	411
155°	742	928	742	928	742	341
165°	800	865	800	865	800	226
175°	832	838	832	838	832	79
180°	832	832	832	832	832	



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1891.3	1891.3	1902.0	1905.5	1905.5	1900.2	1894.8	1900.2	1916.1	1921.5	1919.7
5°	1884.2	1898.4	1917.9	1921.5	1925.0	1923.2	1919.7	1923.2	1940.9	1944.5	1946.3
7.5°	1870.0	1896.6	1921.5	1926.8	1932.1	1926.8	1925.0	1928.6	1946.3	1949.9	1949.9
10°	1852.3	1889.6	1917.9	1921.5	1926.8	1921.5	1921.5	1928.6	1946.3	1949.9	1951.6
12.5°	1827.4	1878.9	1905.5	1909.1	1916.1	1914.4	1912.6	1919.7	1937.5	1940.9	1940.9
15°	1799.0	1859.4	1884.2	1887.8	1900.2	1896.6	1896.6	1903.7	1923.2	1928.6	1926.8
17.5°	1760.0	1834.5	1863.0	1868.2	1877.1	1875.3	1877.1	1884.2	1902.0	1905.5	1907.3
20°	1715.7	1800.8	1834.5	1839.9	1848.7	1848.7	1848.7	1857.6	1875.3	1882.5	1882.5
22.5°	1655.3	1765.4	1800.8	1804.4	1815.1	1815.1	1818.6	1831.0	1846.9	1848.7	1848.7
25°	1584.3	1726.3	1756.5	1767.1	1777.7	1783.1	1788.4	1795.5	1800.8	1799.0	1800.8
27.5°	1509.9	1676.7	1715.7	1722.8	1737.0	1742.3	1749.4	1751.1	1752.9	1758.2	1754.7
30°	1426.5	1607.4	1666.0	1673.1	1696.2	1699.7	1692.6	1696.2	1705.0	1708.6	1712.1
32.5°	1332.4	1504.6	1614.5	1630.5	1651.8	1641.1	1639.4	1644.7	1658.9	1658.9	1662.4
35°	1204.7	1424.7	1566.6	1580.9	1596.8	1584.3	1591.5	1593.2	1602.1	1607.4	1605.7
37.5°	1064.5	1355.5	1516.9	1527.6	1540.0	1524.1	1534.7	1540.0	1547.1	1543.6	1543.6
40°	940.3	1247.3	1458.4	1465.5	1476.2	1463.7	1474.4	1477.9	1481.5	1477.9	1476.2
42.5°	848.0	1128.4	1396.3	1405.2	1398.1	1407.0	1410.5	1417.6	1412.3	1405.2	1405.2
45°	777.1	1096.5	1328.9	1339.6	1328.9	1343.1	1348.4	1348.4	1332.4	1328.9	1327.1
47.5°	754.0	1032.6	1261.5	1261.5	1256.1	1273.8	1282.7	1270.4	1254.3	1249.0	1249.0
50°	752.2	961.7	1169.2	1162.1	1186.9	1208.2	1199.4	1186.9	1174.6	1155.0	1155.0
52.5°	683.0	874.7	1050.3	1077.0	1116.0	1128.4	1114.2	1101.8	1080.5	1071.6	1064.5
55°	633.4	784.2	942.1	995.3	1036.1	1052.1	1025.5	1013.0	981.2	975.8	972.3
57.5°	622.8	653.0	842.8	910.2	959.9	958.1	942.1	919.0	892.4	887.1	885.4
60°	571.3	471.9	736.3	816.2	867.6	862.3	848.0	826.8	801.9	798.4	794.9
62.5°	518.0	342.5	615.6	706.1	778.9	777.1	764.7	732.7	715.0	706.1	699.1
65°	440.0	287.4	438.3	587.2	692.0	695.5	668.9	645.8	626.3	615.6	613.9
67.5°	335.3	234.2	296.3	489.6	608.5	605.1	571.3	560.6	535.8	530.5	519.8
70°	248.4	156.1	205.8	397.4	527.0	518.0	491.4	479.1	456.0	443.5	436.5
72.5°	205.8	126.0	150.8	308.7	443.5	432.9	409.9	395.6	376.1	365.5	358.4
75°	166.8	133.0	115.3	228.8	360.2	353.1	331.8	317.6	301.6	287.4	289.2
77.5°	122.4	124.2	92.2	168.6	285.6	275.0	262.6	244.9	237.7	223.6	223.6
80°	92.2	97.6	69.2	115.3	205.8	205.8	195.2	182.7	170.3	163.2	163.2
82.5°	62.1	62.1	51.5	72.7	140.2	134.8	127.8	124.2	117.1	113.5	113.5
85°	28.4	35.5	32.0	44.3	76.3	79.9	79.9	76.3	74.5	71.0	72.7
87.5°	8.9	15.9	19.5	24.8	39.0	40.8	42.6	42.6	42.6	44.3	44.3
90°	5.6	10.0	14.5	15.7	24.6	36.5	42.4	37.7	28.3	21.2	21.2
92.5°	22.4	60.3	98.3	107.8	151.6	209.9	239.0	209.5	150.4	106.1	101.9
95°	53.6	123.1	192.7	210.0	373.0	590.2	698.8	623.6	473.1	360.3	347.5
97.5°	92.8	154.1	215.4	230.7	502.4	864.6	1045.7	998.2	903.1	831.7	807.4
100°	122.9	178.5	234.1	248.0	549.5	951.4	1152.4	1155.8	1162.8	1168.0	1139.0
102.5°	148.6	200.5	252.4	265.4	571.1	978.8	1182.5	1243.1	1364.3	1455.2	1430.4
105°	192.1	236.1	280.1	291.1	587.1	981.9	1179.2	1315.0	1586.6	1790.3	1776.9
107.5°	236.8	277.8	318.8	329.0	590.1	938.1	1112.2	1301.6	1680.4	1964.6	1967.8
110°	267.0	304.0	341.0	350.2	585.6	899.4	1056.3	1268.0	1691.6	2009.3	2023.1



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	296.6	331.9	367.2	375.9	585.8	865.6	1005.4	1222.2	1655.7	1980.8	2002.1
115°	341.3	373.8	406.3	414.4	591.2	826.7	944.6	1153.3	1571.0	1884.2	1913.8
117.5°	385.4	415.0	444.5	451.9	602.1	802.5	902.7	1091.1	1468.0	1750.6	1783.5
120°	411.1	439.0	466.7	473.7	611.1	794.3	885.9	1058.1	1402.4	1660.7	1692.6
122.5°	436.3	464.3	492.4	499.4	623.9	790.0	873.1	1028.2	1338.2	1570.7	1602.3
125°	474.8	500.4	526.0	532.4	641.3	786.5	859.1	990.8	1254.2	1451.8	1480.8
127.5°	506.1	531.9	557.8	564.2	658.6	784.5	847.4	960.5	1186.6	1356.3	1380.8
130°	522.9	550.7	578.5	585.4	671.3	785.7	842.9	943.6	1144.9	1296.0	1318.5
132.5°	540.1	568.0	595.7	602.7	681.5	786.5	839.0	929.2	1109.4	1244.6	1264.8
135°	565.8	591.2	616.5	622.9	692.7	785.7	832.3	907.8	1058.7	1172.0	1189.4
137.5°	592.1	617.1	642.3	648.6	709.4	790.7	831.2	895.0	1022.6	1118.3	1132.6
140°	613.9	637.0	660.1	665.8	719.7	791.4	827.3	882.4	992.6	1075.3	1088.6
142.5°	630.7	652.1	673.4	678.7	728.2	794.2	827.3	875.7	972.5	1045.1	1056.6
145°	656.4	675.0	693.6	698.3	739.4	794.3	821.7	861.3	940.5	999.9	1008.6
147.5°	682.0	700.1	718.2	722.8	755.7	799.7	821.7	852.9	915.2	961.9	969.1
150°	698.8	715.2	731.6	735.7	764.3	802.6	821.7	848.0	900.6	940.1	945.9
152.5°	716.2	728.6	741.0	744.1	770.0	804.4	821.7	844.2	889.1	922.8	927.2
155°	741.9	751.0	760.1	762.4	782.2	808.6	821.7	839.6	875.3	902.1	905.1
157.5°	760.8	769.8	778.7	780.9	794.5	812.7	821.7	835.6	863.4	884.3	886.4
160°	773.6	780.6	787.6	789.3	800.1	814.6	821.7	833.6	857.4	875.3	876.5
162.5°	786.5	791.7	796.9	798.3	806.0	816.5	821.7	831.7	851.9	866.9	868.0
165°	800.5	805.2	809.9	811.1	814.6	819.4	821.7	828.9	843.3	854.1	855.3
167.5°	813.3	815.5	817.8	818.3	821.3	825.3	827.3	832.0	841.4	848.5	849.0
170°	821.7	824.0	826.2	826.7	826.9	827.2	827.3	832.0	841.4	848.5	848.5
172.5°	826.2	826.6	827.2	827.3	827.3	827.3	827.3	831.0	838.5	844.0	843.6
175°	832.3	832.3	832.3	832.3	830.6	828.3	827.3	829.6	834.3	837.9	837.9
177.5°	832.3	832.3	832.3	832.3	831.0	829.3	828.4	830.3	834.0	836.8	836.2
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1923.2	1917.9	1923.2	1919.7	1921.5	1916.1	1900.2	1894.8	1900.2	1905.5	1905.5
5°	1946.3	1942.7	1946.3	1946.3	1944.5	1940.9	1923.2	1919.7	1923.2	1925.0	1921.5
7.5°	1953.4	1948.1	1953.4	1949.9	1949.9	1946.3	1928.6	1925.0	1926.8	1932.1	1926.8
10°	1953.4	1948.1	1953.4	1951.6	1949.9	1946.3	1928.6	1921.5	1921.5	1926.8	1921.5
12.5°	1944.5	1940.9	1944.5	1940.9	1940.9	1937.5	1919.7	1912.6	1914.4	1916.1	1909.1
15°	1930.4	1925.0	1930.4	1926.8	1928.6	1923.2	1903.7	1896.6	1896.6	1900.2	1887.8
17.5°	1909.1	1902.0	1909.1	1907.3	1905.5	1902.0	1884.2	1877.1	1875.3	1877.1	1868.2
20°	1884.2	1878.9	1884.2	1882.5	1882.5	1875.3	1857.6	1848.7	1848.7	1848.7	1839.9
22.5°	1845.1	1839.9	1845.1	1848.7	1848.7	1846.9	1831.0	1818.6	1815.1	1815.1	1804.4
25°	1800.8	1795.5	1800.8	1800.8	1799.0	1800.8	1795.5	1788.4	1783.1	1777.7	1767.1
27.5°	1758.2	1754.7	1758.2	1754.7	1758.2	1752.9	1751.1	1749.4	1742.3	1737.0	1722.8
30°	1715.7	1712.1	1715.7	1712.1	1708.6	1705.0	1696.2	1692.6	1699.7	1696.2	1673.1
32.5°	1662.4	1658.9	1662.4	1662.4	1658.9	1658.9	1644.7	1639.4	1641.1	1651.8	1630.5
35°	1607.4	1602.1	1607.4	1605.7	1607.4	1602.1	1593.2	1591.5	1584.3	1596.8	1580.9
37.5°	1543.6	1538.2	1543.6	1543.6	1543.6	1547.1	1540.0	1534.7	1524.1	1540.0	1527.6
40°	1477.9	1470.8	1477.9	1476.2	1477.9	1481.5	1477.9	1474.4	1463.7	1476.2	1465.5
42.5°	1403.4	1401.6	1403.4	1405.2	1405.2	1412.3	1417.6	1410.5	1407.0	1398.1	1405.2
45°	1323.5	1320.0	1323.5	1327.1	1328.9	1332.4	1348.4	1348.4	1343.1	1328.9	1339.6
47.5°	1238.4	1229.5	1238.4	1249.0	1249.0	1254.3	1270.4	1282.7	1273.8	1256.1	1261.5
50°	1147.9	1149.7	1147.9	1155.0	1155.0	1174.6	1186.9	1199.4	1208.2	1186.9	1162.1
52.5°	1059.2	1057.5	1059.2	1064.5	1071.6	1080.5	1101.8	1114.2	1128.4	1116.0	1077.0
55°	970.5	974.0	970.5	972.3	975.8	981.2	1013.0	1025.5	1052.1	1036.1	995.3
57.5°	881.8	876.4	881.8	885.4	887.1	892.4	919.0	942.1	958.1	959.9	910.2
60°	778.9	771.8	778.9	794.9	798.4	801.9	826.8	848.0	862.3	867.6	816.2
62.5°	688.4	676.0	688.4	699.1	706.1	715.0	732.7	764.7	777.1	778.9	706.1
65°	592.6	587.2	592.6	613.9	615.6	626.3	645.8	668.9	695.5	692.0	587.2
67.5°	505.7	505.7	505.7	519.8	530.5	535.8	560.6	571.3	605.1	608.5	489.6
70°	425.8	424.0	425.8	436.5	443.5	456.0	479.1	491.4	518.0	527.0	397.4
72.5°	349.5	347.7	349.5	358.4	365.5	376.1	395.6	409.9	432.9	443.5	308.7
75°	282.1	278.5	282.1	289.2	287.4	301.6	317.6	331.8	353.1	360.2	228.8
77.5°	216.5	216.5	216.5	223.6	223.6	237.7	244.9	262.6	275.0	285.6	168.6
80°	161.4	159.7	161.4	163.2	163.2	170.3	182.7	195.2	205.8	205.8	115.3
82.5°	113.5	110.0	113.5	113.5	113.5	117.1	124.2	127.8	134.8	140.2	72.7
85°	71.0	71.0	71.0	72.7	71.0	74.5	76.3	79.9	79.9	76.3	44.3
87.5°	46.1	44.3	46.1	44.3	44.3	42.6	42.6	42.6	40.8	39.0	24.8
90°	21.2	21.2	21.2	21.2	21.2	28.3	37.7	42.4	36.5	24.6	15.7
92.5°	85.0	68.1	85.0	101.9	106.1	150.4	209.5	239.0	209.9	151.6	107.8
95°	296.3	245.2	296.3	347.5	360.3	473.1	623.6	698.8	590.2	373.0	210.0
97.5°	710.1	612.8	710.1	807.4	831.7	903.1	998.2	1045.7	864.6	502.4	230.7
100°	1023.1	907.1	1023.1	1139.0	1168.0	1162.8	1155.8	1152.4	951.4	549.5	248.0
102.5°	1331.0	1231.7	1331.0	1430.4	1455.2	1364.3	1243.1	1182.5	978.8	571.1	265.4
105°	1723.6	1670.2	1723.6	1776.9	1790.3	1586.6	1315.0	1179.2	981.9	587.1	291.1
107.5°	1980.8	1993.7	1980.8	1967.8	1964.6	1680.4	1301.6	1112.2	938.1	590.1	329.0
110°	2078.8	2134.4	2078.8	2023.1	2009.3	1691.6	1268.0	1056.3	899.4	585.6	350.2



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2087.5	2172.9	2087.5	2002.1	1980.8	1655.7	1222.2	1005.4	865.6	585.8	375.9
115°	2032.2	2150.6	2032.2	1913.8	1884.2	1571.0	1153.3	944.6	826.7	591.2	414.4
117.5°	1914.8	2046.1	1914.8	1783.5	1750.6	1468.0	1091.1	902.7	802.5	602.1	451.9
120°	1820.3	1947.8	1820.3	1692.6	1660.7	1402.4	1058.1	885.9	794.3	611.1	473.7
122.5°	1728.1	1854.0	1728.1	1602.3	1570.7	1338.2	1028.2	873.1	790.0	623.9	499.4
125°	1596.7	1712.6	1596.7	1480.8	1451.8	1254.2	990.8	859.1	786.5	641.3	532.4
127.5°	1478.6	1576.4	1478.6	1380.8	1356.3	1186.6	960.5	847.4	784.5	658.6	564.2
130°	1409.0	1499.3	1409.0	1318.5	1296.0	1144.9	943.6	842.9	785.7	671.3	585.4
132.5°	1345.7	1426.7	1345.7	1264.8	1244.6	1109.4	929.2	839.0	786.5	681.5	602.7
135°	1259.2	1328.9	1259.2	1189.4	1172.0	1058.7	907.8	832.3	785.7	692.7	622.9
137.5°	1189.7	1246.8	1189.7	1132.6	1118.3	1022.6	895.0	831.2	790.7	709.4	648.6
140°	1142.1	1195.4	1142.1	1088.6	1075.3	992.6	882.4	827.3	791.4	719.7	665.8
142.5°	1102.6	1148.5	1102.6	1056.6	1045.1	972.5	875.7	827.3	794.2	728.2	678.7
145°	1043.4	1078.1	1043.4	1008.6	999.9	940.5	861.3	821.7	794.3	739.4	698.3
147.5°	997.9	1026.7	997.9	969.1	961.9	915.2	852.9	821.7	799.7	755.7	722.8
150°	969.3	992.6	969.3	945.9	940.1	900.6	848.0	821.7	802.6	764.3	735.7
152.5°	944.8	962.5	944.8	927.2	922.8	889.1	844.2	821.7	804.4	770.0	744.1
155°	916.7	928.3	916.7	905.1	902.1	875.3	839.6	821.7	808.6	782.2	762.4
157.5°	894.5	902.7	894.5	886.4	884.3	863.4	835.6	821.7	812.7	794.5	780.9
160°	881.3	885.9	881.3	876.5	875.3	857.4	833.6	821.7	814.6	800.1	789.3
162.5°	872.5	877.0	872.5	868.0	866.9	851.9	831.7	821.7	816.5	806.0	798.3
165°	860.0	864.7	860.0	855.3	854.1	843.3	828.9	821.7	819.4	814.6	811.1
167.5°	851.0	853.0	851.0	849.0	848.5	841.4	832.0	827.3	825.3	821.3	818.3
170°	848.5	848.5	848.5	848.5	848.5	841.4	832.0	827.3	827.2	826.9	826.7
172.5°	841.9	840.2	841.9	843.6	844.0	838.5	831.0	827.3	827.3	827.3	827.3
175°	837.9	837.9	837.9	837.9	837.9	834.3	829.6	827.3	828.3	830.6	832.3
177.5°	834.3	832.3	834.3	836.2	836.8	834.0	830.3	828.4	829.3	831.0	832.3
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1902.0	1891.3	1891.3	1873.5	1866.5	1861.2	1852.3	1825.6	1818.6	1811.5	1822.1
5°	1917.9	1898.4	1884.2	1852.3	1825.6	1815.1	1781.3	1717.5	1674.9	1642.9	1625.2
7.5°	1921.5	1896.6	1870.0	1820.3	1756.5	1728.0	1625.2	1508.1	1476.2	1447.7	1430.0
10°	1917.9	1889.6	1852.3	1777.7	1627.0	1577.3	1474.4	1398.1	1378.6	1373.2	1378.6
12.5°	1905.5	1878.9	1827.4	1703.2	1492.1	1458.4	1398.1	1353.7	1350.2	1359.1	1407.0
15°	1884.2	1859.4	1799.0	1603.9	1417.6	1392.7	1350.2	1334.2	1353.7	1415.8	1559.5
17.5°	1863.0	1834.5	1760.0	1506.3	1360.8	1343.1	1312.9	1344.8	1454.9	1538.2	1586.1
20°	1834.5	1800.8	1715.7	1435.4	1320.0	1304.0	1289.9	1433.6	1516.9	1547.1	1573.7
22.5°	1800.8	1765.4	1655.3	1385.7	1277.4	1265.0	1273.8	1483.3	1516.9	1538.2	1561.3
25°	1756.5	1726.3	1584.3	1346.6	1243.8	1229.5	1263.3	1477.9	1497.4	1502.8	1548.9
27.5°	1715.7	1676.7	1509.9	1311.2	1202.9	1197.6	1272.1	1454.9	1469.0	1474.4	1524.1
30°	1666.0	1607.4	1426.5	1273.8	1160.3	1158.5	1273.8	1426.5	1422.9	1437.2	1486.8
32.5°	1614.5	1504.6	1332.4	1227.7	1119.5	1117.8	1261.5	1383.9	1380.3	1399.8	1437.2
35°	1566.6	1424.7	1204.7	1174.6	1068.1	1069.8	1231.3	1334.2	1336.0	1353.7	1376.8
37.5°	1516.9	1355.5	1064.5	1116.0	1018.4	1018.4	1190.5	1288.1	1284.5	1289.9	1321.7
40°	1458.4	1247.3	940.3	1039.7	972.3	966.9	1140.8	1238.4	1226.0	1224.2	1268.6
42.5°	1396.3	1128.4	848.0	938.6	919.0	912.0	1080.5	1178.1	1155.0	1160.3	1217.1
45°	1328.9	1096.5	777.1	793.1	864.1	858.7	1014.8	1108.8	1092.9	1107.1	1165.7
47.5°	1261.5	1032.6	754.0	658.2	805.5	803.7	942.1	1041.4	1032.6	1046.8	1108.8
50°	1169.2	961.7	752.2	564.2	739.9	747.0	855.2	975.8	975.8	988.2	1053.9
52.5°	1050.3	874.7	683.0	511.0	663.5	684.8	778.9	919.0	922.6	935.0	993.5
55°	942.1	784.2	633.4	470.1	573.1	619.2	704.3	860.5	867.6	880.0	933.3
57.5°	842.8	653.0	622.8	422.2	489.6	534.1	638.7	803.7	807.3	818.0	869.3
60°	736.3	471.9	571.3	370.8	416.9	450.6	578.4	736.3	748.7	755.8	800.1
62.5°	615.6	342.5	518.0	335.3	381.5	388.6	528.7	672.5	688.4	693.7	720.4
65°	438.3	287.4	440.0	305.1	344.2	345.9	475.5	606.8	621.0	629.9	649.4
67.5°	296.3	234.2	335.3	276.7	315.8	317.6	424.0	530.5	550.0	557.1	569.5
70°	205.8	156.1	248.4	246.7	283.9	287.4	369.0	461.3	479.1	484.4	491.4
72.5°	150.8	126.0	205.8	221.8	250.2	253.7	312.3	383.2	401.0	406.3	409.9
75°	115.3	133.0	166.8	193.4	212.9	214.7	255.5	312.3	324.6	328.2	330.0
77.5°	92.2	124.2	122.4	156.1	173.9	170.3	200.5	241.3	251.9	251.9	251.9
80°	69.2	97.6	92.2	111.7	127.8	124.2	143.7	172.1	175.7	179.2	177.5
82.5°	51.5	62.1	62.1	71.0	85.1	81.7	95.8	111.7	111.7	111.7	115.3
85°	32.0	35.5	28.4	37.2	47.9	46.1	53.3	60.3	62.1	62.1	58.6
87.5°	19.5	15.9	8.9	14.2	21.3	21.3	24.8	26.6	24.8	24.8	24.8
90°	14.5	10.0	5.6	10.0	14.5	15.7	24.6	36.5	42.4	37.7	28.3
92.5°	98.3	60.3	22.4	60.3	98.3	107.8	151.6	209.9	239.0	209.5	150.4
95°	192.7	123.1	53.6	123.1	192.7	210.0	373.0	590.2	698.8	623.6	473.1
97.5°	215.4	154.1	92.8	154.1	215.4	230.7	502.4	864.6	1045.7	998.2	903.1
100°	234.1	178.5	122.9	178.5	234.1	248.0	549.5	951.4	1152.4	1155.8	1162.8
102.5°	252.4	200.5	148.6	200.5	252.4	265.4	571.1	978.8	1182.5	1243.1	1364.3
105°	280.1	236.1	192.1	236.1	280.1	291.1	587.1	981.9	1179.2	1315.0	1586.6
107.5°	318.8	277.8	236.8	277.8	318.8	329.0	590.1	938.1	1112.2	1301.6	1680.4
110°	341.0	304.0	267.0	304.0	341.0	350.2	585.6	899.4	1056.3	1268.0	1691.6



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	367.2	331.9	296.6	331.9	367.2	375.9	585.8	865.6	1005.4	1222.2	1655.7
115°	406.3	373.8	341.3	373.8	406.3	414.4	591.2	826.7	944.6	1153.3	1571.0
117.5°	444.5	415.0	385.4	415.0	444.5	451.9	602.1	802.5	902.7	1091.1	1468.0
120°	466.7	439.0	411.1	439.0	466.7	473.7	611.1	794.3	885.9	1058.1	1402.4
122.5°	492.4	464.3	436.3	464.3	492.4	499.4	623.9	790.0	873.1	1028.2	1338.2
125°	526.0	500.4	474.8	500.4	526.0	532.4	641.3	786.5	859.1	990.8	1254.2
127.5°	557.8	531.9	506.1	531.9	557.8	564.2	658.6	784.5	847.4	960.5	1186.6
130°	578.5	550.7	522.9	550.7	578.5	585.4	671.3	785.7	842.9	943.6	1144.9
132.5°	595.7	568.0	540.1	568.0	595.7	602.7	681.5	786.5	839.0	929.2	1109.4
135°	616.5	591.2	565.8	591.2	616.5	622.9	692.7	785.7	832.3	907.8	1058.7
137.5°	642.3	617.1	592.1	617.1	642.3	648.6	709.4	790.7	831.2	895.0	1022.6
140°	660.1	637.0	613.9	637.0	660.1	665.8	719.7	791.4	827.3	882.4	992.6
142.5°	673.4	652.1	630.7	652.1	673.4	678.7	728.2	794.2	827.3	875.7	972.5
145°	693.6	675.0	656.4	675.0	693.6	698.3	739.4	794.3	821.7	861.3	940.5
147.5°	718.2	700.1	682.0	700.1	718.2	722.8	755.7	799.7	821.7	852.9	915.2
150°	731.6	715.2	698.8	715.2	731.6	735.7	764.3	802.6	821.7	848.0	900.6
152.5°	741.0	728.6	716.2	728.6	741.0	744.1	770.0	804.4	821.7	844.2	889.1
155°	760.1	751.0	741.9	751.0	760.1	762.4	782.2	808.6	821.7	839.6	875.3
157.5°	778.7	769.8	760.8	769.8	778.7	780.9	794.5	812.7	821.7	835.6	863.4
160°	787.6	780.6	773.6	780.6	787.6	789.3	800.1	814.6	821.7	833.6	857.4
162.5°	796.9	791.7	786.5	791.7	796.9	798.3	806.0	816.5	821.7	831.7	851.9
165°	809.9	805.2	800.5	805.2	809.9	811.1	814.6	819.4	821.7	828.9	843.3
167.5°	817.8	815.5	813.3	815.5	817.8	818.3	821.3	825.3	827.3	832.0	841.4
170°	826.2	824.0	821.7	824.0	826.2	826.7	826.9	827.2	827.3	832.0	841.4
172.5°	827.2	826.6	826.2	826.6	827.2	827.3	827.3	827.3	827.3	831.0	838.5
175°	832.3	832.3	832.3	832.3	832.3	832.3	830.6	828.3	827.3	829.6	834.3
177.5°	832.3	832.3	832.3	832.3	832.3	832.3	831.0	829.3	828.4	830.3	834.0
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935262
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1809.7	1804.4	1811.5	1792.0	1811.5	1804.4	1809.7	1822.1	1811.5	1818.6	1825.6
5°	1587.9	1579.1	1550.7	1527.6	1550.7	1579.1	1587.9	1625.2	1642.9	1674.9	1717.5
7.5°	1419.3	1412.3	1405.2	1391.0	1405.2	1412.3	1419.3	1430.0	1447.7	1476.2	1508.1
10°	1382.1	1383.9	1394.5	1392.7	1394.5	1383.9	1382.1	1378.6	1373.2	1378.6	1398.1
12.5°	1477.9	1493.9	1552.5	1548.9	1552.5	1493.9	1477.9	1407.0	1359.1	1350.2	1353.7
15°	1587.9	1593.2	1605.7	1607.4	1605.7	1593.2	1587.9	1559.5	1415.8	1353.7	1334.2
17.5°	1598.6	1600.4	1609.2	1609.2	1609.2	1600.4	1598.6	1586.1	1538.2	1454.9	1344.8
20°	1589.7	1593.2	1611.0	1614.5	1611.0	1593.2	1589.7	1573.7	1547.1	1516.9	1433.6
22.5°	1586.1	1593.2	1607.4	1605.7	1607.4	1593.2	1586.1	1561.3	1538.2	1516.9	1483.3
25°	1568.4	1568.4	1570.2	1572.0	1570.2	1568.4	1568.4	1548.9	1502.8	1497.4	1477.9
27.5°	1531.2	1534.7	1545.3	1543.6	1545.3	1534.7	1531.2	1524.1	1474.4	1469.0	1454.9
30°	1497.4	1493.9	1485.1	1477.9	1485.1	1493.9	1497.4	1486.8	1437.2	1422.9	1426.5
32.5°	1440.6	1431.8	1422.9	1417.6	1422.9	1431.8	1440.6	1437.2	1399.8	1380.3	1383.9
35°	1373.2	1375.0	1373.2	1367.9	1373.2	1375.0	1373.2	1376.8	1353.7	1336.0	1334.2
37.5°	1325.3	1328.9	1327.1	1320.0	1327.1	1328.9	1325.3	1321.7	1289.9	1284.5	1288.1
40°	1275.6	1277.4	1275.6	1270.4	1275.6	1277.4	1275.6	1268.6	1224.2	1226.0	1238.4
42.5°	1227.7	1226.0	1220.7	1217.1	1220.7	1226.0	1227.7	1217.1	1160.3	1155.0	1178.1
45°	1172.8	1174.6	1163.9	1158.5	1163.9	1174.6	1172.8	1165.7	1107.1	1092.9	1108.8
47.5°	1117.8	1117.8	1108.8	1103.6	1108.8	1117.8	1117.8	1108.8	1046.8	1032.6	1041.4
50°	1059.2	1057.5	1045.0	1043.2	1045.0	1057.5	1059.2	1053.9	988.2	975.8	975.8
52.5°	991.8	991.8	993.5	997.1	993.5	991.8	991.8	993.5	935.0	922.6	919.0
55°	933.3	935.0	947.4	951.0	947.4	935.0	933.3	933.3	880.0	867.6	860.5
57.5°	872.9	872.9	881.8	881.8	881.8	872.9	872.9	869.3	818.0	807.3	803.7
60°	803.7	807.3	814.4	812.6	814.4	807.3	803.7	800.1	755.8	748.7	736.3
62.5°	730.9	734.5	736.3	732.7	736.3	734.5	730.9	720.4	693.7	688.4	672.5
65°	654.7	658.2	660.0	656.4	660.0	658.2	654.7	649.4	629.9	621.0	606.8
67.5°	576.6	574.9	573.1	580.2	573.1	574.9	576.6	569.5	557.1	550.0	530.5
70°	496.8	496.8	495.0	498.5	495.0	496.8	496.8	491.4	484.4	479.1	461.3
72.5°	411.6	409.9	416.9	411.6	416.9	409.9	411.6	409.9	406.3	401.0	383.2
75°	328.2	331.8	328.2	333.6	328.2	331.8	328.2	330.0	328.2	324.6	312.3
77.5°	250.2	253.7	250.2	250.2	250.2	253.7	250.2	251.9	251.9	251.9	241.3
80°	177.5	175.7	175.7	173.9	175.7	175.7	177.5	177.5	179.2	175.7	172.1
82.5°	113.5	111.7	111.7	115.3	111.7	111.7	113.5	115.3	111.7	111.7	111.7
85°	62.1	63.8	60.3	60.3	60.3	63.8	62.1	58.6	62.1	62.1	60.3
87.5°	23.1	21.3	21.3	21.3	21.3	21.3	23.1	24.8	24.8	24.8	26.6
90°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	28.3	37.7	42.4	36.5
92.5°	106.1	101.9	85.0	68.1	85.0	101.9	106.1	150.4	209.5	239.0	209.9
95°	360.3	347.5	296.3	245.2	296.3	347.5	360.3	473.1	623.6	698.8	590.2
97.5°	831.7	807.4	710.1	612.8	710.1	807.4	831.7	903.1	998.2	1045.7	864.6
100°	1168.0	1139.0	1023.1	907.1	1023.1	1139.0	1168.0	1162.8	1155.8	1152.4	951.4
102.5°	1455.2	1430.4	1331.0	1231.7	1331.0	1430.4	1455.2	1364.3	1243.1	1182.5	978.8
105°	1790.3	1776.9	1723.6	1670.2	1723.6	1776.9	1790.3	1586.6	1315.0	1179.2	981.9
107.5°	1964.6	1967.8	1980.8	1993.7	1980.8	1967.8	1964.6	1680.4	1301.6	1112.2	938.1
110°	2009.3	2023.1	2078.8	2134.4	2078.8	2023.1	2009.3	1691.6	1268.0	1056.3	899.4



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1980.8	2002.1	2087.5	2172.9	2087.5	2002.1	1980.8	1655.7	1222.2	1005.4	865.6
115°	1884.2	1913.8	2032.2	2150.6	2032.2	1913.8	1884.2	1571.0	1153.3	944.6	826.7
117.5°	1750.6	1783.5	1914.8	2046.1	1914.8	1783.5	1750.6	1468.0	1091.1	902.7	802.5
120°	1660.7	1692.6	1820.3	1947.8	1820.3	1692.6	1660.7	1402.4	1058.1	885.9	794.3
122.5°	1570.7	1602.3	1728.1	1854.0	1728.1	1602.3	1570.7	1338.2	1028.2	873.1	790.0
125°	1451.8	1480.8	1596.7	1712.6	1596.7	1480.8	1451.8	1254.2	990.8	859.1	786.5
127.5°	1356.3	1380.8	1478.6	1576.4	1478.6	1380.8	1356.3	1186.6	960.5	847.4	784.5
130°	1296.0	1318.5	1409.0	1499.3	1409.0	1318.5	1296.0	1144.9	943.6	842.9	785.7
132.5°	1244.6	1264.8	1345.7	1426.7	1345.7	1264.8	1244.6	1109.4	929.2	839.0	786.5
135°	1172.0	1189.4	1259.2	1328.9	1259.2	1189.4	1172.0	1058.7	907.8	832.3	785.7
137.5°	1118.3	1132.6	1189.7	1246.8	1189.7	1132.6	1118.3	1022.6	895.0	831.2	790.7
140°	1075.3	1088.6	1142.1	1195.4	1142.1	1088.6	1075.3	992.6	882.4	827.3	791.4
142.5°	1045.1	1056.6	1102.6	1148.5	1102.6	1056.6	1045.1	972.5	875.7	827.3	794.2
145°	999.9	1008.6	1043.4	1078.1	1043.4	1008.6	999.9	940.5	861.3	821.7	794.3
147.5°	961.9	969.1	997.9	1026.7	997.9	969.1	961.9	915.2	852.9	821.7	799.7
150°	940.1	945.9	969.3	992.6	969.3	945.9	940.1	900.6	848.0	821.7	802.6
152.5°	922.8	927.2	944.8	962.5	944.8	927.2	922.8	889.1	844.2	821.7	804.4
155°	902.1	905.1	916.7	928.3	916.7	905.1	902.1	875.3	839.6	821.7	808.6
157.5°	884.3	886.4	894.5	902.7	894.5	886.4	884.3	863.4	835.6	821.7	812.7
160°	875.3	876.5	881.3	885.9	881.3	876.5	875.3	857.4	833.6	821.7	814.6
162.5°	866.9	868.0	872.5	877.0	872.5	868.0	866.9	851.9	831.7	821.7	816.5
165°	854.1	855.3	860.0	864.7	860.0	855.3	854.1	843.3	828.9	821.7	819.4
167.5°	848.5	849.0	851.0	853.0	851.0	849.0	848.5	841.4	832.0	827.3	825.3
170°	848.5	848.5	848.5	848.5	848.5	848.5	848.5	841.4	832.0	827.3	827.2
172.5°	844.0	843.6	841.9	840.2	841.9	843.6	844.0	838.5	831.0	827.3	827.3
175°	837.9	837.9	837.9	837.9	837.9	837.9	837.9	834.3	829.6	827.3	828.3
177.5°	836.8	836.2	834.3	832.3	834.3	836.2	836.8	834.0	830.3	828.4	829.3
180°	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1852.3	1861.2	1866.5	1873.5	1891.3
5°	1781.3	1815.1	1825.6	1852.3	1884.2
7.5°	1625.2	1728.0	1756.5	1820.3	1870.0
10°	1474.4	1577.3	1627.0	1777.7	1852.3
12.5°	1398.1	1458.4	1492.1	1703.2	1827.4
15°	1350.2	1392.7	1417.6	1603.9	1799.0
17.5°	1312.9	1343.1	1360.8	1506.3	1760.0
20°	1289.9	1304.0	1320.0	1435.4	1715.7
22.5°	1273.8	1265.0	1277.4	1385.7	1655.3
25°	1263.3	1229.5	1243.8	1346.6	1584.3
27.5°	1272.1	1197.6	1202.9	1311.2	1509.9
30°	1273.8	1158.5	1160.3	1273.8	1426.5
32.5°	1261.5	1117.8	1119.5	1227.7	1332.4
35°	1231.3	1069.8	1068.1	1174.6	1204.7
37.5°	1190.5	1018.4	1018.4	1116.0	1064.5
40°	1140.8	966.9	972.3	1039.7	940.3
42.5°	1080.5	912.0	919.0	938.6	848.0
45°	1014.8	858.7	864.1	793.1	777.1
47.5°	942.1	803.7	805.5	658.2	754.0
50°	855.2	747.0	739.9	564.2	752.2
52.5°	778.9	684.8	663.5	511.0	683.0
55°	704.3	619.2	573.1	470.1	633.4
57.5°	638.7	534.1	489.6	422.2	622.8
60°	578.4	450.6	416.9	370.8	571.3
62.5°	528.7	388.6	381.5	335.3	518.0
65°	475.5	345.9	344.2	305.1	440.0
67.5°	424.0	317.6	315.8	276.7	335.3
70°	369.0	287.4	283.9	246.7	248.4
72.5°	312.3	253.7	250.2	221.8	205.8
75°	255.5	214.7	212.9	193.4	166.8
77.5°	200.5	170.3	173.9	156.1	122.4
80°	143.7	124.2	127.8	111.7	92.2
82.5°	95.8	81.7	85.1	71.0	62.1
85°	53.3	46.1	47.9	37.2	28.4
87.5°	24.8	21.3	21.3	14.2	8.9
90°	24.6	15.7	14.5	10.0	5.6
92.5°	151.6	107.8	98.3	60.3	22.4
95°	373.0	210.0	192.7	123.1	53.6
97.5°	502.4	230.7	215.4	154.1	92.8
100°	549.5	248.0	234.1	178.5	122.9
102.5°	571.1	265.4	252.4	200.5	148.6
105°	587.1	291.1	280.1	236.1	192.1
107.5°	590.1	329.0	318.8	277.8	236.8
110°	585.6	350.2	341.0	304.0	267.0



TEST NUMBER: P935262

CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	585.8	375.9	367.2	331.9	296.6
115°	591.2	414.4	406.3	373.8	341.3
117.5°	602.1	451.9	444.5	415.0	385.4
120°	611.1	473.7	466.7	439.0	411.1
122.5°	623.9	499.4	492.4	464.3	436.3
125°	641.3	532.4	526.0	500.4	474.8
127.5°	658.6	564.2	557.8	531.9	506.1
130°	671.3	585.4	578.5	550.7	522.9
132.5°	681.5	602.7	595.7	568.0	540.1
135°	692.7	622.9	616.5	591.2	565.8
137.5°	709.4	648.6	642.3	617.1	592.1
140°	719.7	665.8	660.1	637.0	613.9
142.5°	728.2	678.7	673.4	652.1	630.7
145°	739.4	698.3	693.6	675.0	656.4
147.5°	755.7	722.8	718.2	700.1	682.0
150°	764.3	735.7	731.6	715.2	698.8
152.5°	770.0	744.1	741.0	728.6	716.2
155°	782.2	762.4	760.1	751.0	741.9
157.5°	794.5	780.9	778.7	769.8	760.8
160°	800.1	789.3	787.6	780.6	773.6
162.5°	806.0	798.3	796.9	791.7	786.5
165°	814.6	811.1	809.9	805.2	800.5
167.5°	821.3	818.3	817.8	815.5	813.3
170°	826.9	826.7	826.2	824.0	821.7
172.5°	827.3	827.3	827.2	826.6	826.2
175°	830.6	832.3	832.3	832.3	832.3
177.5°	831.0	832.3	832.3	832.3	832.3
180°	832.3	832.3	832.3	832.3	832.3



TEST NUMBER: P935262
 CATALOG NUMBER: SQ4-FA-100U-100D-93050-1D-UNV-STD-W-6-3500K

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	13.07	13.91	14.05	14.91	16.21	15.90	16.74	16.88	17.73	19.04
	3H	13.55	14.30	14.54	15.30	16.63	17.24	17.99	18.23	18.99	20.32
	4H	13.74	14.45	14.74	15.46	16.79	17.68	18.39	18.69	19.40	20.74
	6H	13.86	14.51	14.87	15.52	16.87	17.97	18.62	18.98	19.63	20.98
	8H	13.86	14.48	14.88	15.51	16.85	18.04	18.66	19.06	19.69	21.03
	12H	13.83	14.42	14.85	15.44	16.81	18.08	18.67	19.10	19.69	21.06
4H	2H	14.10	14.81	15.11	15.82	17.16	16.31	17.02	17.32	18.02	19.36
	3H	15.13	15.72	16.15	16.75	18.11	17.81	18.40	18.83	19.43	20.79
	4H	15.40	15.95	16.43	16.97	18.35	18.33	18.88	19.36	19.90	21.28
	6H	15.53	15.99	16.56	17.04	18.41	18.70	19.16	19.73	20.21	21.58
	8H	15.53	15.97	16.57	17.01	18.40	18.80	19.24	19.84	20.28	21.66
	12H	15.50	15.89	16.55	16.95	18.34	18.86	19.25	19.91	20.31	21.70
8H	4H	15.85	16.29	16.89	17.33	18.72	18.46	18.89	19.49	19.93	21.32
	6H	16.11	16.47	17.18	17.56	18.94	18.89	19.25	19.95	20.33	21.72
	8H	16.16	16.47	17.23	17.54	18.94	19.04	19.36	20.11	20.43	21.83
	12H	16.14	16.42	17.21	17.48	18.93	19.14	19.42	20.21	20.48	21.92
12H	4H	15.86	16.25	16.92	17.31	18.70	18.42	18.81	19.48	19.87	21.26
	6H	16.18	16.49	17.24	17.56	18.96	18.89	19.20	19.96	20.27	21.67
	8H	16.24	16.52	17.31	17.58	19.03	19.05	19.33	20.12	20.39	21.83