

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: P935566

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935566
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-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: -

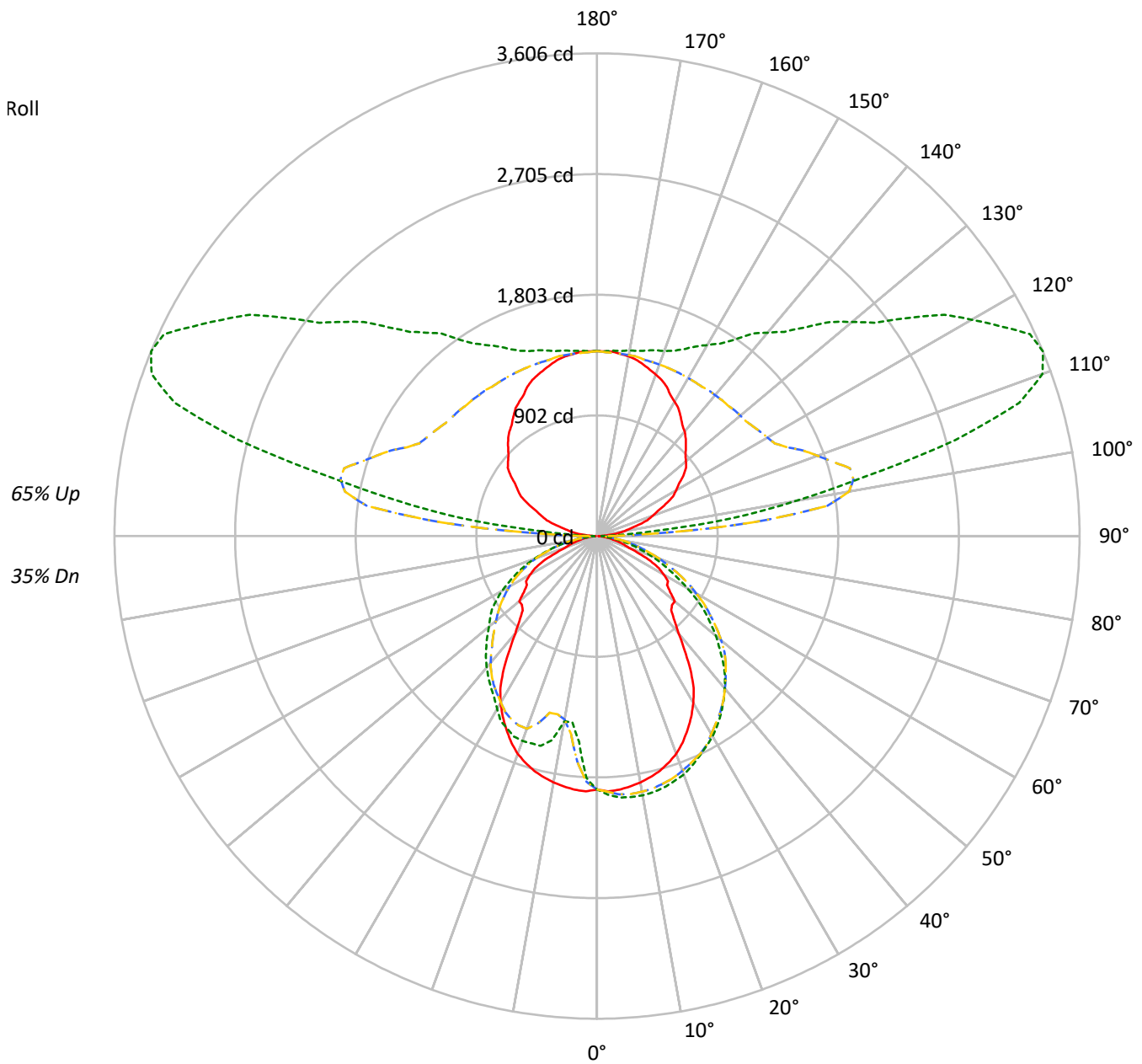
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13867.5 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 111.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P935566
CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

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



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	1.2
10°-20°	485.1	3.5
20°-30°	749.8	5.4
30°-40°	895.1	6.5
40°-50°	900.4	6.5
50°-60°	783.5	5.6
60°-70°	555.5	4.0
70°-80°	293.9	2.1
80°-90°	78.5	0.6
90°-100°	673.4	4.9
100°-110°	1770.3	12.8
110°-120°	1835.6	13.2
120°-130°	1472.4	10.6
130°-140°	1155.3	8.3
140°-150°	886.7	6.4
150°-160°	638.6	4.6
160°-170°	390.7	2.8
170°-180°	132.0	1.0
0°-30°	1405.7	10.1
0°-40°	2300.8	16.6
0°-60°	3984.6	28.7
0°-90°	4912.5	35.4
90°-120°	4279.3	30.9
90°-150°	7793.7	56.2
90°-180°	8955.0	64.6
0°-180°	13867.5	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°	9	35	9	35	9	9
95°	89	407	89	407	89	99
105°	319	2772	319	2772	319	338
115°	566	3569	566	3569	566	559
125°	788	2842	788	2842	788	700
135°	939	2206	939	2206	939	727
145°	1089	1789	1089	1789	1089	682
155°	1231	1541	1231	1541	1231	566
165°	1329	1435	1329	1435	1329	375
175°	1381	1391	1381	1391	1381	131
180°	1381	1381	1381	1381	1381	



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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°	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9	35.2	35.2
92.5°	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7	176.1	169.1
95°	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3	598.0	576.8
97.5°	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8	1380.5	1340.1
100°	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9	1938.6	1890.5
102.5°	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3	2415.1	2373.9
105°	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3	2971.4	2949.2
107.5°	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1	3260.6	3266.0
110°	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6	3334.8	3357.9



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9	3287.5	3323.0
115°	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3	3127.1	3176.3
117.5°	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4	2905.6	2960.1
120°	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6	2756.3	2809.2
122.5°	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1	2607.1	2659.3
125°	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7	2409.6	2457.6
127.5°	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5	2251.0	2291.6
130°	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3	2150.9	2188.4
132.5°	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2	2065.6	2099.1
135°	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1	1945.1	1974.0
137.5°	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2	1856.1	1879.8
140°	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5	1784.7	1806.8
142.5°	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1	1734.6	1753.6
145°	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0	1659.6	1674.0
147.5°	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9	1596.5	1608.4
150°	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8	1560.3	1570.0
152.5°	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7	1531.6	1539.0
155°	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8	1497.3	1502.2
157.5°	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9	1467.6	1471.0
160°	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1	1452.7	1454.7
162.5°	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8	1438.9	1440.7
165°	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6	1417.5	1419.5
167.5°	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5	1408.2	1409.0
170°	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5	1408.2	1408.2
172.5°	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6	1400.9	1400.2
175°	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8	1390.7	1390.7
177.5°	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2	1388.8	1388.0
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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°	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6	40.8	26.0
92.5°	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4	251.6	179.0
95°	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6	619.0	348.6
97.5°	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0	833.8	382.9
100°	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1	912.0	411.7
102.5°	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5	947.9	440.4
105°	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6	974.4	483.0
107.5°	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0	979.3	546.1
110°	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8	972.0	581.3



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-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°	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6	972.2	623.9
115°	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2	981.2	687.9
117.5°	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0	999.4	750.0
120°	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3	1014.2	786.2
122.5°	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2	1035.5	828.8
125°	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4	1064.3	883.5
127.5°	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0	1093.1	936.4
130°	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0	1114.0	971.6
132.5°	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4	1131.0	1000.3
135°	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1	1149.6	1033.7
137.5°	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2	1177.4	1076.3
140°	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5	1194.4	1105.1
142.5°	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3	1208.6	1126.4
145°	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3	1227.2	1158.9
147.5°	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3	1254.4	1199.7
150°	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0	1268.6	1221.0
152.5°	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1	1277.9	1234.9
155°	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9	1298.3	1265.5
157.5°	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7	1318.6	1296.1
160°	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8	1327.9	1310.0
162.5°	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1	1337.8	1324.8
165°	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8	1352.0	1346.2
167.5°	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7	1363.1	1358.2
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9	1372.4	1372.2
172.5°	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9	1378.6	1381.4
177.5°	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4	1379.2	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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°	24.1	16.7	9.3	16.7	24.1	26.0	40.8	60.6	70.5	62.6	46.9
92.5°	163.2	100.1	37.1	100.1	163.2	179.0	251.6	348.4	396.8	347.7	249.7
95°	319.8	204.4	89.0	204.4	319.8	348.6	619.0	979.6	1159.8	1035.0	785.3
97.5°	357.5	255.7	153.9	255.7	357.5	382.9	833.8	1435.0	1735.6	1656.7	1498.8
100°	388.6	296.3	204.0	296.3	388.6	411.7	912.0	1579.1	1912.7	1918.4	1929.9
102.5°	418.8	332.7	246.6	332.7	418.8	440.4	947.9	1624.5	1962.7	2063.2	2264.3
105°	464.8	391.9	318.9	391.9	464.8	483.0	974.4	1629.6	1957.2	2182.5	2633.3
107.5°	529.0	461.1	393.1	461.1	529.0	546.1	979.3	1557.0	1845.9	2160.3	2789.1
110°	566.0	504.6	443.2	504.6	566.0	581.3	972.0	1492.8	1753.2	2104.7	2807.6



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-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°	609.3	550.8	492.3	550.8	609.3	623.9	972.2	1436.6	1668.8	2028.5	2747.9
115°	674.3	620.5	566.5	620.5	674.3	687.9	981.2	1372.2	1567.8	1914.3	2607.3
117.5°	737.7	688.8	639.7	688.8	737.7	750.0	999.4	1332.0	1498.2	1810.9	2436.4
120°	774.6	728.5	682.3	728.5	774.6	786.2	1014.2	1318.3	1470.4	1756.2	2327.6
122.5°	817.2	770.6	724.0	770.6	817.2	828.8	1035.5	1311.2	1449.1	1706.4	2221.1
125°	872.9	830.5	788.1	830.5	872.9	883.5	1064.3	1305.4	1425.9	1644.5	2081.7
127.5°	925.7	882.9	840.0	882.9	925.7	936.4	1093.1	1302.0	1406.4	1594.1	1969.5
130°	960.0	913.9	867.7	913.9	960.0	971.6	1114.0	1304.0	1399.0	1566.1	1900.3
132.5°	988.8	942.7	896.5	942.7	988.8	1000.3	1131.0	1305.4	1392.5	1542.1	1841.2
135°	1023.3	981.2	939.2	981.2	1023.3	1033.7	1149.6	1304.1	1381.4	1506.6	1757.1
137.5°	1066.0	1024.3	982.7	1024.3	1066.0	1076.3	1177.4	1312.2	1379.5	1485.4	1697.2
140°	1095.5	1057.2	1018.9	1057.2	1095.5	1105.1	1194.4	1313.5	1373.1	1464.6	1647.5
142.5°	1117.5	1082.2	1046.7	1082.2	1117.5	1126.4	1208.6	1318.3	1373.1	1453.4	1614.1
145°	1151.2	1120.2	1089.3	1120.2	1151.2	1158.9	1227.2	1318.3	1363.7	1429.5	1561.0
147.5°	1192.2	1162.1	1132.0	1162.1	1192.2	1199.7	1254.4	1327.3	1363.7	1415.5	1518.9
150°	1214.2	1187.0	1159.8	1187.0	1214.2	1221.0	1268.6	1332.0	1363.7	1407.4	1494.8
152.5°	1229.7	1209.1	1188.5	1209.1	1229.7	1234.9	1277.9	1335.1	1363.7	1401.1	1475.7
155°	1261.7	1246.5	1231.2	1246.5	1261.7	1265.5	1298.3	1341.9	1363.7	1393.5	1452.8
157.5°	1292.4	1277.5	1262.7	1277.5	1292.4	1296.1	1318.6	1348.7	1363.7	1386.8	1432.9
160°	1307.2	1295.6	1284.1	1295.6	1307.2	1310.0	1327.9	1351.8	1363.7	1383.5	1423.1
162.5°	1322.6	1314.0	1305.4	1314.0	1322.6	1324.8	1337.8	1355.1	1363.7	1380.4	1413.8
165°	1344.2	1336.4	1328.6	1336.4	1344.2	1346.2	1352.0	1359.8	1363.7	1375.7	1399.6
167.5°	1357.3	1353.5	1349.9	1353.5	1357.3	1358.2	1363.1	1369.7	1373.1	1380.8	1396.5
170°	1371.3	1367.5	1363.7	1367.5	1371.3	1372.2	1372.4	1372.9	1373.1	1380.8	1396.5
172.5°	1372.9	1372.0	1371.2	1372.0	1372.9	1373.1	1373.1	1373.1	1373.1	1379.2	1391.6
175°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1378.6	1374.9	1373.1	1377.0	1384.8
177.5°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1379.2	1376.4	1374.9	1378.0	1384.2
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-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°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.9	62.6	70.5	60.6
92.5°	176.1	169.1	141.1	113.1	141.1	169.1	176.1	249.7	347.7	396.8	348.4
95°	598.0	576.8	491.9	407.0	491.9	576.8	598.0	785.3	1035.0	1159.8	979.6
97.5°	1380.5	1340.1	1178.6	1017.1	1178.6	1340.1	1380.5	1498.8	1656.7	1735.6	1435.0
100°	1938.6	1890.5	1698.0	1505.6	1698.0	1890.5	1938.6	1929.9	1918.4	1912.7	1579.1
102.5°	2415.1	2373.9	2209.1	2044.3	2209.1	2373.9	2415.1	2264.3	2063.2	1962.7	1624.5
105°	2971.4	2949.2	2860.6	2772.1	2860.6	2949.2	2971.4	2633.3	2182.5	1957.2	1629.6
107.5°	3260.6	3266.0	3287.4	3308.8	3287.4	3266.0	3260.6	2789.1	2160.3	1845.9	1557.0
110°	3334.8	3357.9	3450.2	3542.5	3450.2	3357.9	3334.8	2807.6	2104.7	1753.2	1492.8



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3287.5	3323.0	3464.7	3606.4	3464.7	3323.0	3287.5	2747.9	2028.5	1668.8	1436.6
115°	3127.1	3176.3	3372.8	3569.3	3372.8	3176.3	3127.1	2607.3	1914.3	1567.8	1372.2
117.5°	2905.6	2960.1	3178.0	3396.0	3178.0	2960.1	2905.6	2436.4	1810.9	1498.2	1332.0
120°	2756.3	2809.2	3021.1	3232.8	3021.1	2809.2	2756.3	2327.6	1756.2	1470.4	1318.3
122.5°	2607.1	2659.3	2868.2	3077.1	2868.2	2659.3	2607.1	2221.1	1706.4	1449.1	1311.2
125°	2409.6	2457.6	2650.1	2842.5	2650.1	2457.6	2409.6	2081.7	1644.5	1425.9	1305.4
127.5°	2251.0	2291.6	2454.0	2616.3	2454.0	2291.6	2251.0	1969.5	1594.1	1406.4	1302.0
130°	2150.9	2188.4	2338.4	2488.3	2338.4	2188.4	2150.9	1900.3	1566.1	1399.0	1304.0
132.5°	2065.6	2099.1	2233.5	2367.8	2233.5	2099.1	2065.6	1841.2	1542.1	1392.5	1305.4
135°	1945.1	1974.0	2089.8	2205.6	2089.8	1974.0	1945.1	1757.1	1506.6	1381.4	1304.1
137.5°	1856.1	1879.8	1974.5	2069.3	1974.5	1879.8	1856.1	1697.2	1485.4	1379.5	1312.2
140°	1784.7	1806.8	1895.5	1984.0	1895.5	1806.8	1784.7	1647.5	1464.6	1373.1	1313.5
142.5°	1734.6	1753.6	1829.8	1906.1	1829.8	1753.6	1734.6	1614.1	1453.4	1373.1	1318.3
145°	1659.6	1674.0	1731.6	1789.3	1731.6	1674.0	1659.6	1561.0	1429.5	1363.7	1318.3
147.5°	1596.5	1608.4	1656.2	1704.0	1656.2	1608.4	1596.5	1518.9	1415.5	1363.7	1327.3
150°	1560.3	1570.0	1608.8	1647.5	1608.8	1570.0	1560.3	1494.8	1407.4	1363.7	1332.0
152.5°	1531.6	1539.0	1568.1	1597.4	1568.1	1539.0	1531.6	1475.7	1401.1	1363.7	1335.1
155°	1497.3	1502.2	1521.5	1540.8	1521.5	1502.2	1497.3	1452.8	1393.5	1363.7	1341.9
157.5°	1467.6	1471.0	1484.6	1498.2	1484.6	1471.0	1467.6	1432.9	1386.8	1363.7	1348.7
160°	1452.7	1454.7	1462.5	1470.4	1462.5	1454.7	1452.7	1423.1	1383.5	1363.7	1351.8
162.5°	1438.9	1440.7	1448.2	1455.6	1448.2	1440.7	1438.9	1413.8	1380.4	1363.7	1355.1
165°	1417.5	1419.5	1427.3	1435.2	1427.3	1419.5	1417.5	1399.6	1375.7	1363.7	1359.8
167.5°	1408.2	1409.0	1412.4	1415.7	1412.4	1409.0	1408.2	1396.5	1380.8	1373.1	1369.7
170°	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1408.2	1396.5	1380.8	1373.1	1372.9
172.5°	1400.9	1400.2	1397.2	1394.4	1397.2	1400.2	1400.9	1391.6	1379.2	1373.1	1373.1
175°	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1390.7	1384.8	1377.0	1373.1	1374.9
177.5°	1388.8	1388.0	1384.7	1381.4	1384.7	1388.0	1388.8	1384.2	1378.0	1374.9	1376.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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°	40.8	26.0	24.1	16.7	9.3
92.5°	251.6	179.0	163.2	100.1	37.1
95°	619.0	348.6	319.8	204.4	89.0
97.5°	833.8	382.9	357.5	255.7	153.9
100°	912.0	411.7	388.6	296.3	204.0
102.5°	947.9	440.4	418.8	332.7	246.6
105°	974.4	483.0	464.8	391.9	318.9
107.5°	979.3	546.1	529.0	461.1	393.1
110°	972.0	581.3	566.0	504.6	443.2



TEST NUMBER: P935566

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	972.2	623.9	609.3	550.8	492.3
115°	981.2	687.9	674.3	620.5	566.5
117.5°	999.4	750.0	737.7	688.8	639.7
120°	1014.2	786.2	774.6	728.5	682.3
122.5°	1035.5	828.8	817.2	770.6	724.0
125°	1064.3	883.5	872.9	830.5	788.1
127.5°	1093.1	936.4	925.7	882.9	840.0
130°	1114.0	971.6	960.0	913.9	867.7
132.5°	1131.0	1000.3	988.8	942.7	896.5
135°	1149.6	1033.7	1023.3	981.2	939.2
137.5°	1177.4	1076.3	1066.0	1024.3	982.7
140°	1194.4	1105.1	1095.5	1057.2	1018.9
142.5°	1208.6	1126.4	1117.5	1082.2	1046.7
145°	1227.2	1158.9	1151.2	1120.2	1089.3
147.5°	1254.4	1199.7	1192.2	1162.1	1132.0
150°	1268.6	1221.0	1214.2	1187.0	1159.8
152.5°	1277.9	1234.9	1229.7	1209.1	1188.5
155°	1298.3	1265.5	1261.7	1246.5	1231.2
157.5°	1318.6	1296.1	1292.4	1277.5	1262.7
160°	1327.9	1310.0	1307.2	1295.6	1284.1
162.5°	1337.8	1324.8	1322.6	1314.0	1305.4
165°	1352.0	1346.2	1344.2	1336.4	1328.6
167.5°	1363.1	1358.2	1357.3	1353.5	1349.9
170°	1372.4	1372.2	1371.3	1367.5	1363.7
172.5°	1373.1	1373.1	1372.9	1372.0	1371.2
175°	1378.6	1381.4	1381.4	1381.4	1381.4
177.5°	1379.2	1381.4	1381.4	1381.4	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4



TEST NUMBER: P935566
 CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-8-3500K

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	10.83	11.58	11.91	12.65	14.12	13.67	14.42	14.74	15.49	16.95
	3H	11.30	11.97	12.38	13.05	14.53	15.01	15.68	16.09	16.76	18.24
	4H	11.49	12.12	12.58	13.20	14.69	15.45	16.08	16.54	17.17	18.66
	6H	11.60	12.18	12.70	13.27	14.77	15.73	16.31	16.83	17.40	18.90
	8H	11.60	12.15	12.70	13.25	14.75	15.80	16.36	16.91	17.46	18.95
	12H	11.56	12.09	12.68	13.19	14.71	15.84	16.36	16.95	17.46	18.98
4H	2H	11.85	12.49	12.95	13.57	15.06	14.07	14.70	15.17	15.78	17.27
	3H	12.87	13.40	13.98	14.51	16.01	15.56	16.09	16.67	17.20	18.70
	4H	13.14	13.62	14.25	14.72	16.25	16.09	16.57	17.20	17.67	19.19
	6H	13.26	13.67	14.38	14.80	16.31	16.45	16.86	17.57	17.99	19.50
	8H	13.26	13.65	14.38	14.76	16.30	16.55	16.94	17.67	18.06	19.59
	12H	13.22	13.57	14.36	14.70	16.24	16.61	16.96	17.74	18.08	19.62
8H	4H	13.59	13.97	14.70	15.09	16.62	16.20	16.59	17.32	17.70	19.24
	6H	13.84	14.16	14.98	15.32	16.85	16.64	16.96	17.78	18.11	19.64
	8H	13.88	14.16	15.03	15.30	16.85	16.79	17.07	17.93	18.21	19.75
	12H	13.86	14.11	15.01	15.24	16.83	16.88	17.13	18.03	18.26	19.85
12H	4H	13.59	13.94	14.72	15.07	16.60	16.16	16.51	17.30	17.64	19.18
	6H	13.90	14.18	15.05	15.32	16.87	16.63	16.91	17.78	18.05	19.60
	8H	13.96	14.21	15.11	15.34	16.93	16.79	17.03	17.94	18.17	19.75