

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: P935600

Luminaire Tested: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

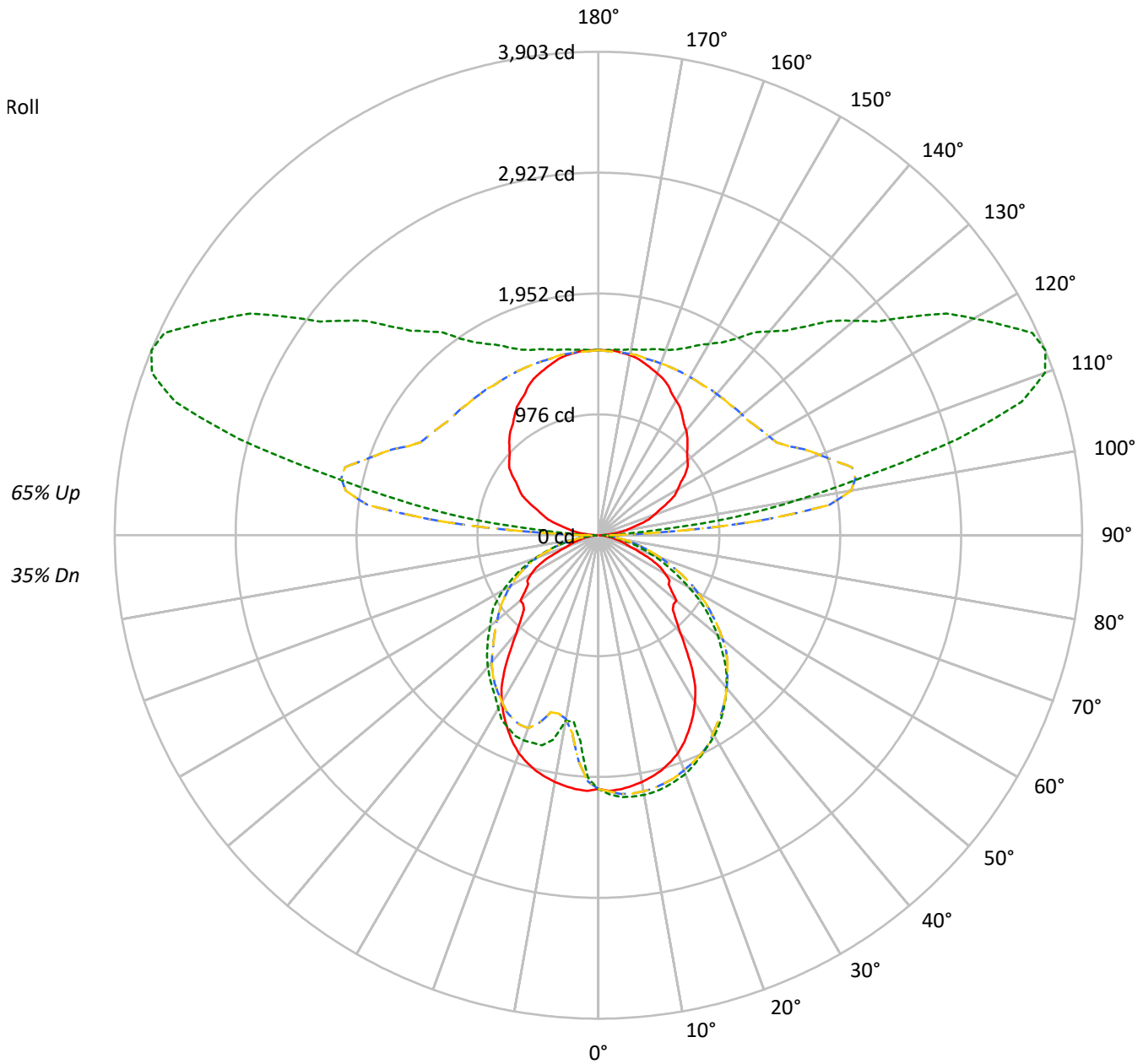
Test Method: LM-79-2019  
Report Number: P935600  
REPORT IS A COMBINATION OF REPORTS P933760 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15008.9 lumens  
Efficiency: N/A  
Efficacy: 135.0 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: 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

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

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

	0°	90°	180°	270°
0°	9504	9504	9504	9504
5°	9575	9593	9575	7543
10°	9511	9450	9511	6756
15°	9407	9245	9407	7720
20°	9210	9003	9210	7736
25°	8808	8649	8808	7572
30°	8288	8355	8288	7212
35°	7388	7984	7388	6817
40°	6156	7546	6156	6518
45°	5501	7035	5501	6174
50°	5844	6424	5844	5829
55°	5499	5767	5499	5630
60°	5668	4897	5668	5156
65°	5138	4049	5138	4526
70°	3558	3227	3558	3794
75°	3121	2385	3121	2856
80°	2515	1577	2515	1717
85°	1444	835	1444	710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8431 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.9	1.2
10°-20°	525.0	3.5
20°-30°	811.5	5.4
30°-40°	968.8	6.5
40°-50°	974.5	6.5
50°-60°	847.9	5.6
60°-70°	601.2	4.0
70°-80°	318.1	2.1
80°-90°	84.9	0.6
90°-100°	728.8	4.9
100°-110°	1916.0	12.8
110°-120°	1986.7	13.2
120°-130°	1593.6	10.6
130°-140°	1250.4	8.3
140°-150°	959.7	6.4
150°-160°	691.2	4.6
160°-170°	422.9	2.8
170°-180°	142.9	1.0
0°-30°	1521.4	10.1
0°-40°	2490.2	16.6
0°-60°	4312.6	28.7
0°-90°	5316.8	35.4
90°-120°	4631.5	30.9
90°-150°	8435.1	56.2
90°-180°	9692.0	64.6
0°-180°	15008.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2048	2048	2048	2048	2048	
5°	2058	2122	2058	1668	2058	195
15°	1965	2103	1965	1756	1965	553
25°	1730	1961	1730	1717	1730	795
35°	1316	1750	1316	1494	1316	814
45°	849	1442	849	1265	849	680
55°	692	1064	692	1039	692	636
65°	481	642	481	717	481	459
75°	182	304	182	364	182	192
85°	31	78	31	66	31	42
90°	10	38	10	38	10	10
95°	96	440	96	440	96	107
105°	345	3000	345	3000	345	366
115°	613	3863	613	3863	613	606
125°	853	3076	853	3076	853	757
135°	1016	2387	1016	2387	1016	786
145°	1179	1936	1179	1936	1179	739
155°	1333	1668	1333	1668	1333	612
165°	1438	1553	1438	1553	1438	406
175°	1495	1505	1495	1505	1495	142
180°	1495	1495	1495	1495	1495	



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 CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2065.8	2065.8	2077.4	2081.3	2081.3	2075.5	2069.7	2075.5	2092.9	2098.8	2096.8
5°	2058.1	2073.6	2094.9	2098.8	2102.6	2100.7	2096.8	2100.7	2120.1	2124.0	2125.9
7.5°	2042.6	2071.6	2098.8	2104.6	2110.4	2104.6	2102.6	2106.5	2125.9	2129.8	2129.8
10°	2023.2	2063.9	2094.9	2098.8	2104.6	2098.8	2098.8	2106.5	2125.9	2129.8	2131.7
12.5°	1996.0	2052.2	2081.3	2085.2	2092.9	2091.0	2089.1	2096.8	2116.2	2120.1	2120.1
15°	1965.0	2030.9	2058.1	2061.9	2075.5	2071.6	2071.6	2079.4	2100.7	2106.5	2104.6
17.5°	1922.4	2003.8	2034.8	2040.6	2050.3	2048.4	2050.3	2058.1	2077.4	2081.3	2083.3
20°	1873.9	1967.0	2003.8	2009.6	2019.3	2019.3	2019.3	2029.0	2048.4	2056.1	2056.1
22.5°	1808.1	1928.2	1967.0	1970.8	1982.5	1982.5	1986.4	1999.9	2017.4	2019.3	2019.3
25°	1730.5	1885.6	1918.5	1930.2	1941.8	1947.6	1953.4	1961.2	1967.0	1965.0	1967.0
27.5°	1649.1	1831.3	1873.9	1881.7	1897.2	1903.0	1910.8	1912.7	1914.6	1920.5	1916.6
30°	1558.1	1755.7	1819.7	1827.4	1852.6	1856.5	1848.8	1852.6	1862.3	1866.2	1870.1
32.5°	1455.3	1643.3	1763.5	1780.9	1804.2	1792.6	1790.6	1796.4	1811.9	1811.9	1815.8
35°	1315.8	1556.1	1711.2	1726.7	1744.1	1730.5	1738.3	1740.2	1749.9	1755.7	1753.8
37.5°	1162.7	1480.5	1656.9	1668.5	1682.1	1664.6	1676.3	1682.1	1689.8	1686.0	1686.0
40°	1027.1	1362.3	1592.9	1600.7	1612.3	1598.8	1610.4	1614.3	1618.1	1614.3	1612.3
42.5°	926.4	1232.5	1525.1	1534.8	1527.0	1536.7	1540.6	1548.4	1542.6	1534.8	1534.8
45°	848.8	1197.6	1451.5	1463.1	1451.5	1467.0	1472.8	1472.8	1455.3	1451.5	1449.5
47.5°	823.6	1127.9	1377.8	1377.8	1372.0	1391.4	1401.1	1387.5	1370.1	1364.3	1364.3
50°	821.7	1050.4	1277.0	1269.3	1296.4	1319.7	1310.0	1296.4	1282.9	1261.5	1261.5
52.5°	746.1	955.4	1147.3	1176.3	1218.9	1232.5	1217.0	1203.4	1180.1	1170.5	1162.7
55°	691.9	856.6	1029.1	1087.2	1131.8	1149.2	1120.2	1106.6	1071.7	1065.9	1062.0
57.5°	680.2	713.2	920.6	994.2	1048.5	1046.5	1029.1	1003.9	974.8	969.0	967.1
60°	624.0	515.5	804.3	891.5	947.7	941.9	926.4	903.1	876.0	872.1	868.2
62.5°	565.9	374.0	672.5	771.3	850.8	848.8	835.3	800.4	781.0	771.3	763.6
65°	480.6	314.0	478.7	641.5	755.8	759.7	730.6	705.4	684.1	672.5	670.5
67.5°	366.3	255.8	323.6	534.9	664.7	660.9	624.0	612.4	585.3	579.5	567.8
70°	271.3	170.5	224.8	434.1	575.6	565.9	536.8	523.3	498.1	484.5	476.7
72.5°	224.8	137.6	164.7	337.2	484.5	472.9	447.7	432.2	410.9	399.2	391.5
75°	182.2	145.4	126.0	250.0	393.4	385.7	362.4	346.9	329.5	314.0	315.9
77.5°	133.7	135.7	100.8	184.1	312.0	300.4	286.8	267.4	259.7	244.2	244.2
80°	100.8	106.6	75.6	126.0	224.8	224.8	213.2	199.6	186.0	178.3	178.3
82.5°	67.8	67.8	56.2	79.5	153.1	147.3	139.5	135.7	127.9	124.0	124.0
85°	31.0	38.8	34.9	48.4	83.3	87.2	87.2	83.3	81.4	77.5	79.5
87.5°	9.7	17.4	21.3	27.1	42.6	44.6	46.5	46.5	46.5	48.4	48.4
90°	10.1	18.1	26.1	28.1	44.2	65.6	76.3	67.7	50.8	38.1	38.1
92.5°	40.1	108.3	176.6	193.7	272.3	377.0	429.5	376.4	270.3	190.6	183.0
95°	96.3	221.2	346.1	377.3	670.0	1060.2	1255.2	1120.2	849.9	647.2	624.2
97.5°	166.6	276.7	386.9	414.4	902.4	1553.1	1878.4	1793.0	1622.2	1494.1	1450.4
100°	220.7	320.6	420.5	445.5	987.0	1709.0	2070.1	2076.3	2088.8	2098.2	2046.1
102.5°	266.9	360.1	453.3	476.7	1025.9	1758.2	2124.2	2233.1	2450.7	2613.9	2569.3
105°	345.2	424.1	503.0	522.8	1054.6	1763.7	2118.2	2362.1	2850.0	3215.9	3192.0
107.5°	425.5	499.0	572.6	591.0	1059.9	1685.2	1997.8	2338.1	3018.6	3529.0	3534.8
110°	479.7	546.1	612.6	629.2	1051.9	1615.6	1897.5	2277.9	3038.7	3609.2	3634.2



TEST NUMBER: P935600

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	532.9	596.1	659.5	675.3	1052.2	1554.9	1806.1	2195.5	2974.1	3558.1	3596.4
115°	613.1	671.5	729.9	744.5	1061.9	1485.2	1696.8	2071.8	2821.9	3384.5	3437.7
117.5°	692.4	745.5	798.5	811.7	1081.7	1441.6	1621.5	1960.0	2636.9	3144.7	3203.7
120°	738.5	788.5	838.4	850.9	1097.7	1426.9	1591.4	1900.7	2519.2	2983.2	3040.4
122.5°	783.6	834.0	884.4	897.0	1120.7	1419.1	1568.3	1846.8	2403.9	2821.6	2878.1
125°	852.9	898.8	944.8	956.2	1151.9	1412.8	1543.2	1779.9	2253.0	2607.9	2659.9
127.5°	909.1	955.5	1001.8	1013.5	1183.1	1409.1	1522.2	1725.3	2131.6	2436.3	2480.2
130°	939.2	989.2	1039.1	1051.6	1205.7	1411.3	1514.2	1695.0	2056.7	2327.9	2368.5
132.5°	970.3	1020.3	1070.2	1082.7	1224.1	1412.8	1507.1	1669.0	1992.7	2235.6	2271.9
135°	1016.5	1061.9	1107.5	1118.8	1244.2	1411.4	1495.1	1630.6	1901.8	2105.2	2136.5
137.5°	1063.6	1108.6	1153.7	1164.9	1274.3	1420.2	1493.0	1607.7	1836.9	2008.8	2034.5
140°	1102.7	1144.2	1185.7	1196.0	1292.7	1421.6	1486.1	1585.1	1783.1	1931.6	1955.5
142.5°	1132.9	1171.2	1209.5	1219.1	1308.1	1426.8	1486.1	1573.0	1746.9	1877.3	1898.0
145°	1179.0	1212.4	1245.9	1254.3	1328.2	1426.8	1476.0	1547.1	1689.5	1796.1	1811.7
147.5°	1225.2	1257.8	1290.3	1298.5	1357.7	1436.5	1476.0	1532.0	1643.9	1727.9	1740.8
150°	1255.2	1284.7	1314.2	1321.5	1373.0	1441.7	1476.0	1523.3	1617.8	1688.8	1699.2
152.5°	1286.3	1308.6	1330.9	1336.5	1383.1	1445.0	1476.0	1516.4	1597.1	1657.7	1665.6
155°	1332.6	1349.0	1365.5	1369.7	1405.1	1452.3	1476.0	1508.2	1572.4	1620.6	1625.8
157.5°	1366.7	1382.7	1398.8	1402.7	1427.1	1459.7	1476.0	1501.0	1550.9	1588.4	1592.1
160°	1389.7	1402.2	1414.7	1417.8	1437.2	1463.1	1476.0	1497.4	1540.2	1572.3	1574.4
162.5°	1412.8	1422.1	1431.5	1433.8	1447.9	1466.6	1476.0	1494.0	1530.1	1557.3	1559.3
165°	1437.9	1446.4	1454.9	1457.0	1463.3	1471.7	1476.0	1489.0	1514.8	1534.2	1536.3
167.5°	1461.0	1464.9	1469.0	1470.0	1475.3	1482.5	1486.1	1494.5	1511.4	1524.1	1525.0
170°	1476.0	1480.1	1484.1	1485.1	1485.4	1485.9	1486.1	1494.5	1511.4	1524.1	1524.1
172.5°	1484.0	1484.9	1485.9	1486.1	1486.1	1486.1	1486.1	1492.7	1506.1	1516.2	1515.4
175°	1495.1	1495.1	1495.1	1495.1	1492.1	1488.1	1486.1	1490.3	1498.8	1505.1	1505.1
177.5°	1495.1	1495.1	1495.1	1495.1	1492.7	1489.6	1488.1	1491.4	1498.1	1503.1	1502.2
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935600  
 CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2100.7	2094.9	2100.7	2096.8	2098.8	2092.9	2075.5	2069.7	2075.5	2081.3	2081.3
5°	2125.9	2122.0	2125.9	2125.9	2124.0	2120.1	2100.7	2096.8	2100.7	2102.6	2098.8
7.5°	2133.6	2127.8	2133.6	2129.8	2129.8	2125.9	2106.5	2102.6	2104.6	2110.4	2104.6
10°	2133.6	2127.8	2133.6	2131.7	2129.8	2125.9	2106.5	2098.8	2098.8	2104.6	2098.8
12.5°	2124.0	2120.1	2124.0	2120.1	2120.1	2116.2	2096.8	2089.1	2091.0	2092.9	2085.2
15°	2108.4	2102.6	2108.4	2104.6	2106.5	2100.7	2079.4	2071.6	2071.6	2075.5	2061.9
17.5°	2085.2	2077.4	2085.2	2083.3	2081.3	2077.4	2058.1	2050.3	2048.4	2050.3	2040.6
20°	2058.1	2052.2	2058.1	2056.1	2056.1	2048.4	2029.0	2019.3	2019.3	2019.3	2009.6
22.5°	2015.4	2009.6	2015.4	2019.3	2019.3	2017.4	1999.9	1986.4	1982.5	1982.5	1970.8
25°	1967.0	1961.2	1967.0	1967.0	1965.0	1967.0	1961.2	1953.4	1947.6	1941.8	1930.2
27.5°	1920.5	1916.6	1920.5	1916.6	1920.5	1914.6	1912.7	1910.8	1903.0	1897.2	1881.7
30°	1873.9	1870.1	1873.9	1870.1	1866.2	1862.3	1852.6	1848.8	1856.5	1852.6	1827.4
32.5°	1815.8	1811.9	1815.8	1815.8	1811.9	1811.9	1796.4	1790.6	1792.6	1804.2	1780.9
35°	1755.7	1749.9	1755.7	1753.8	1755.7	1749.9	1740.2	1738.3	1730.5	1744.1	1726.7
37.5°	1686.0	1680.1	1686.0	1686.0	1686.0	1689.8	1682.1	1676.3	1664.6	1682.1	1668.5
40°	1614.3	1606.5	1614.3	1612.3	1614.3	1618.1	1614.3	1610.4	1598.8	1612.3	1600.7
42.5°	1532.9	1530.9	1532.9	1534.8	1534.8	1542.6	1548.4	1540.6	1536.7	1527.0	1534.8
45°	1445.7	1441.8	1445.7	1449.5	1451.5	1455.3	1472.8	1472.8	1467.0	1451.5	1463.1
47.5°	1352.6	1342.9	1352.6	1364.3	1364.3	1370.1	1387.5	1401.1	1391.4	1372.0	1377.8
50°	1253.8	1255.7	1253.8	1261.5	1261.5	1282.9	1296.4	1310.0	1319.7	1296.4	1269.3
52.5°	1156.9	1155.0	1156.9	1162.7	1170.5	1180.1	1203.4	1217.0	1232.5	1218.9	1176.3
55°	1060.1	1064.0	1060.1	1062.0	1065.9	1071.7	1106.6	1120.2	1149.2	1131.8	1087.2
57.5°	963.2	957.4	963.2	967.1	969.0	974.8	1003.9	1029.1	1046.5	1048.5	994.2
60°	850.8	843.0	850.8	868.2	872.1	876.0	903.1	926.4	941.9	947.7	891.5
62.5°	751.9	738.4	751.9	763.6	771.3	781.0	800.4	835.3	848.8	850.8	771.3
65°	647.3	641.5	647.3	670.5	672.5	684.1	705.4	730.6	759.7	755.8	641.5
67.5°	552.3	552.3	552.3	567.8	579.5	585.3	612.4	624.0	660.9	664.7	534.9
70°	465.1	463.2	465.1	476.7	484.5	498.1	523.3	536.8	565.9	575.6	434.1
72.5°	381.8	379.8	381.8	391.5	399.2	410.9	432.2	447.7	472.9	484.5	337.2
75°	308.1	304.3	308.1	315.9	314.0	329.5	346.9	362.4	385.7	393.4	250.0
77.5°	236.4	236.4	236.4	244.2	244.2	259.7	267.4	286.8	300.4	312.0	184.1
80°	176.4	174.4	176.4	178.3	178.3	186.0	199.6	213.2	224.8	224.8	126.0
82.5°	124.0	120.2	124.0	124.0	124.0	127.9	135.7	139.5	147.3	153.1	79.5
85°	77.5	77.5	77.5	79.5	77.5	81.4	83.3	87.2	87.2	83.3	48.4
87.5°	50.4	48.4	50.4	48.4	48.4	46.5	46.5	46.5	44.6	42.6	27.1
90°	38.1	38.1	38.1	38.1	38.1	50.8	67.7	76.3	65.6	44.2	28.1
92.5°	152.7	122.4	152.7	183.0	190.6	270.3	376.4	429.5	377.0	272.3	193.7
95°	532.4	440.5	532.4	624.2	647.2	849.9	1120.2	1255.2	1060.2	670.0	377.3
97.5°	1275.6	1100.8	1275.6	1450.4	1494.1	1622.2	1793.0	1878.4	1553.1	902.4	414.4
100°	1837.8	1629.6	1837.8	2046.1	2098.2	2088.8	2076.3	2070.1	1709.0	987.0	445.5
102.5°	2390.9	2212.5	2390.9	2569.3	2613.9	2450.7	2233.1	2124.2	1758.2	1025.9	476.7
105°	3096.1	3000.2	3096.1	3192.0	3215.9	2850.0	2362.1	2118.2	1763.7	1054.6	522.8
107.5°	3558.0	3581.1	3558.0	3534.8	3529.0	3018.6	2338.1	1997.8	1685.2	1059.9	591.0
110°	3734.1	3834.0	3734.1	3634.2	3609.2	3038.7	2277.9	1897.5	1615.6	1051.9	629.2





TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3749.8	3903.2	3749.8	3596.4	3558.1	2974.1	2195.5	1806.1	1554.9	1052.2	675.3
115°	3650.4	3863.1	3650.4	3437.7	3384.5	2821.9	2071.8	1696.8	1485.2	1061.9	744.5
117.5°	3439.6	3675.5	3439.6	3203.7	3144.7	2636.9	1960.0	1621.5	1441.6	1081.7	811.7
120°	3269.7	3498.9	3269.7	3040.4	2983.2	2519.2	1900.7	1591.4	1426.9	1097.7	850.9
122.5°	3104.3	3330.4	3104.3	2878.1	2821.6	2403.9	1846.8	1568.3	1419.1	1120.7	897.0
125°	2868.2	3076.5	2868.2	2659.9	2607.9	2253.0	1779.9	1543.2	1412.8	1151.9	956.2
127.5°	2655.9	2831.6	2655.9	2480.2	2436.3	2131.6	1725.3	1522.2	1409.1	1183.1	1013.5
130°	2530.8	2693.1	2530.8	2368.5	2327.9	2056.7	1695.0	1514.2	1411.3	1205.7	1051.6
132.5°	2417.4	2562.7	2417.4	2271.9	2235.6	1992.7	1669.0	1507.1	1412.8	1224.1	1082.7
135°	2261.8	2387.1	2261.8	2136.5	2105.2	1901.8	1630.6	1495.1	1411.4	1244.2	1118.8
137.5°	2137.0	2239.6	2137.0	2034.5	2008.8	1836.9	1607.7	1493.0	1420.2	1274.3	1164.9
140°	2051.5	2147.3	2051.5	1955.5	1931.6	1783.1	1585.1	1486.1	1421.6	1292.7	1196.0
142.5°	1980.4	2063.0	1980.4	1898.0	1877.3	1746.9	1573.0	1486.1	1426.8	1308.1	1219.1
145°	1874.1	1936.5	1874.1	1811.7	1796.1	1689.5	1547.1	1476.0	1426.8	1328.2	1254.3
147.5°	1792.6	1844.3	1792.6	1740.8	1727.9	1643.9	1532.0	1476.0	1436.5	1357.7	1298.5
150°	1741.2	1783.1	1741.2	1699.2	1688.8	1617.8	1523.3	1476.0	1441.7	1373.0	1321.5
152.5°	1697.2	1728.9	1697.2	1665.6	1657.7	1597.1	1516.4	1476.0	1445.0	1383.1	1336.5
155°	1646.7	1667.6	1646.7	1625.8	1620.6	1572.4	1508.2	1476.0	1452.3	1405.1	1369.7
157.5°	1606.8	1621.5	1606.8	1592.1	1588.4	1550.9	1501.0	1476.0	1459.7	1427.1	1402.7
160°	1582.9	1591.4	1582.9	1574.4	1572.3	1540.2	1497.4	1476.0	1463.1	1437.2	1417.8
162.5°	1567.4	1575.4	1567.4	1559.3	1557.3	1530.1	1494.0	1476.0	1466.6	1447.9	1433.8
165°	1544.8	1553.3	1544.8	1536.3	1534.2	1514.8	1489.0	1476.0	1471.7	1463.3	1457.0
167.5°	1528.6	1532.2	1528.6	1525.0	1524.1	1511.4	1494.5	1486.1	1482.5	1475.3	1470.0
170°	1524.1	1524.1	1524.1	1524.1	1524.1	1511.4	1494.5	1486.1	1485.9	1485.4	1485.1
172.5°	1512.2	1509.1	1512.2	1515.4	1516.2	1506.1	1492.7	1486.1	1486.1	1486.1	1486.1
175°	1505.1	1505.1	1505.1	1505.1	1505.1	1498.8	1490.3	1486.1	1488.1	1492.1	1495.1
177.5°	1498.7	1495.1	1498.7	1502.2	1503.1	1498.1	1491.4	1488.1	1489.6	1492.7	1495.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2077.4	2065.8	2065.8	2046.4	2038.7	2032.9	2023.2	1994.1	1986.4	1978.6	1990.2
5°	2094.9	2073.6	2058.1	2023.2	1994.1	1982.5	1945.7	1875.9	1829.4	1794.5	1775.1
7.5°	2098.8	2071.6	2042.6	1988.3	1918.5	1887.5	1775.1	1647.2	1612.3	1581.3	1561.9
10°	2094.9	2063.9	2023.2	1941.8	1777.0	1722.8	1610.4	1527.0	1505.7	1499.9	1505.7
12.5°	2081.3	2052.2	1996.0	1860.4	1629.8	1592.9	1527.0	1478.6	1474.7	1484.4	1536.7
15°	2058.1	2030.9	1965.0	1751.9	1548.4	1521.2	1474.7	1457.3	1478.6	1546.4	1703.4
17.5°	2034.8	2003.8	1922.4	1645.3	1486.3	1467.0	1434.0	1468.9	1589.1	1680.1	1732.5
20°	2003.8	1967.0	1873.9	1567.7	1441.8	1424.3	1408.8	1565.8	1656.9	1689.8	1718.9
22.5°	1967.0	1928.2	1808.1	1513.5	1395.3	1381.7	1391.4	1620.1	1656.9	1680.1	1705.3
25°	1918.5	1885.6	1730.5	1470.8	1358.4	1342.9	1379.8	1614.3	1635.6	1641.4	1691.8
27.5°	1873.9	1831.3	1649.1	1432.1	1313.9	1308.1	1389.4	1589.1	1604.6	1610.4	1664.6
30°	1819.7	1755.7	1558.1	1391.4	1267.4	1265.4	1391.4	1558.1	1554.2	1569.7	1623.9
32.5°	1763.5	1643.3	1455.3	1341.0	1222.8	1220.8	1377.8	1511.5	1507.7	1529.0	1569.7
35°	1711.2	1556.1	1315.8	1282.9	1166.6	1168.5	1344.9	1457.3	1459.2	1478.6	1503.8
37.5°	1656.9	1480.5	1162.7	1218.9	1112.4	1112.4	1300.3	1406.9	1403.0	1408.8	1443.7
40°	1592.9	1362.3	1027.1	1135.7	1062.0	1056.2	1246.0	1352.6	1339.1	1337.1	1385.6
42.5°	1525.1	1232.5	926.4	1025.2	1003.9	996.1	1180.1	1286.7	1261.5	1267.4	1329.4
45°	1451.5	1197.6	848.8	866.3	943.8	938.0	1108.5	1211.2	1193.7	1209.2	1273.2
47.5°	1377.8	1127.9	823.6	719.0	879.9	877.9	1029.1	1137.6	1127.9	1143.4	1211.2
50°	1277.0	1050.4	821.7	616.3	808.1	815.9	934.1	1065.9	1065.9	1079.5	1151.2
52.5°	1147.3	955.4	746.1	558.1	724.8	748.1	850.8	1003.9	1007.8	1021.3	1085.3
55°	1029.1	856.6	691.9	513.6	626.0	676.4	769.4	939.9	947.7	961.2	1019.4
57.5°	920.6	713.2	680.2	461.2	534.9	583.3	697.7	877.9	881.8	893.4	949.6
60°	804.3	515.5	624.0	405.0	455.4	492.3	631.8	804.3	817.8	825.6	874.0
62.5°	672.5	374.0	565.9	366.3	416.7	424.4	577.5	734.5	751.9	757.8	786.8
65°	478.7	314.0	480.6	333.3	376.0	377.9	519.4	662.8	678.3	688.0	709.3
67.5°	323.6	255.8	366.3	302.3	345.0	346.9	463.2	579.5	600.8	608.5	622.1
70°	224.8	170.5	271.3	269.4	310.1	314.0	403.1	503.9	523.3	529.1	536.8
72.5°	164.7	137.6	224.8	242.2	273.3	277.1	341.1	418.6	438.0	443.8	447.7
75°	126.0	145.4	182.2	211.2	232.6	234.5	279.1	341.1	354.7	358.5	360.5
77.5°	100.8	135.7	133.7	170.5	189.9	186.0	219.0	263.6	275.2	275.2	275.2
80°	75.6	106.6	100.8	122.1	139.5	135.7	157.0	188.0	191.9	195.7	193.8
82.5°	56.2	67.8	67.8	77.5	93.0	89.1	104.7	122.1	122.1	122.1	126.0
85°	34.9	38.8	31.0	40.7	52.3	50.4	58.1	65.9	67.8	67.8	64.0
87.5°	21.3	17.4	9.7	15.5	23.3	23.3	27.1	29.1	27.1	27.1	27.1
90°	26.1	18.1	10.1	18.1	26.1	28.1	44.2	65.6	76.3	67.7	50.8
92.5°	176.6	108.3	40.1	108.3	176.6	193.7	272.3	377.0	429.5	376.4	270.3
95°	346.1	221.2	96.3	221.2	346.1	377.3	670.0	1060.2	1255.2	1120.2	849.9
97.5°	386.9	276.7	166.6	276.7	386.9	414.4	902.4	1553.1	1878.4	1793.0	1622.2
100°	420.5	320.6	220.7	320.6	420.5	445.5	987.0	1709.0	2070.1	2076.3	2088.8
102.5°	453.3	360.1	266.9	360.1	453.3	476.7	1025.9	1758.2	2124.2	2233.1	2450.7
105°	503.0	424.1	345.2	424.1	503.0	522.8	1054.6	1763.7	2118.2	2362.1	2850.0
107.5°	572.6	499.0	425.5	499.0	572.6	591.0	1059.9	1685.2	1997.8	2338.1	3018.6
110°	612.6	546.1	479.7	546.1	612.6	629.2	1051.9	1615.6	1897.5	2277.9	3038.7



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	659.5	596.1	532.9	596.1	659.5	675.3	1052.2	1554.9	1806.1	2195.5	2974.1
115°	729.9	671.5	613.1	671.5	729.9	744.5	1061.9	1485.2	1696.8	2071.8	2821.9
117.5°	798.5	745.5	692.4	745.5	798.5	811.7	1081.7	1441.6	1621.5	1960.0	2636.9
120°	838.4	788.5	738.5	788.5	838.4	850.9	1097.7	1426.9	1591.4	1900.7	2519.2
122.5°	884.4	834.0	783.6	834.0	884.4	897.0	1120.7	1419.1	1568.3	1846.8	2403.9
125°	944.8	898.8	852.9	898.8	944.8	956.2	1151.9	1412.8	1543.2	1779.9	2253.0
127.5°	1001.8	955.5	909.1	955.5	1001.8	1013.5	1183.1	1409.1	1522.2	1725.3	2131.6
130°	1039.1	989.2	939.2	989.2	1039.1	1051.6	1205.7	1411.3	1514.2	1695.0	2056.7
132.5°	1070.2	1020.3	970.3	1020.3	1070.2	1082.7	1224.1	1412.8	1507.1	1669.0	1992.7
135°	1107.5	1061.9	1016.5	1061.9	1107.5	1118.8	1244.2	1411.4	1495.1	1630.6	1901.8
137.5°	1153.7	1108.6	1063.6	1108.6	1153.7	1164.9	1274.3	1420.2	1493.0	1607.7	1836.9
140°	1185.7	1144.2	1102.7	1144.2	1185.7	1196.0	1292.7	1421.6	1486.1	1585.1	1783.1
142.5°	1209.5	1171.2	1132.9	1171.2	1209.5	1219.1	1308.1	1426.8	1486.1	1573.0	1746.9
145°	1245.9	1212.4	1179.0	1212.4	1245.9	1254.3	1328.2	1426.8	1476.0	1547.1	1689.5
147.5°	1290.3	1257.8	1225.2	1257.8	1290.3	1298.5	1357.7	1436.5	1476.0	1532.0	1643.9
150°	1314.2	1284.7	1255.2	1284.7	1314.2	1321.5	1373.0	1441.7	1476.0	1523.3	1617.8
152.5°	1330.9	1308.6	1286.3	1308.6	1330.9	1336.5	1383.1	1445.0	1476.0	1516.4	1597.1
155°	1365.5	1349.0	1332.6	1349.0	1365.5	1369.7	1405.1	1452.3	1476.0	1508.2	1572.4
157.5°	1398.8	1382.7	1366.7	1382.7	1398.8	1402.7	1427.1	1459.7	1476.0	1501.0	1550.9
160°	1414.7	1402.2	1389.7	1402.2	1414.7	1417.8	1437.2	1463.1	1476.0	1497.4	1540.2
162.5°	1431.5	1422.1	1412.8	1422.1	1431.5	1433.8	1447.9	1466.6	1476.0	1494.0	1530.1
165°	1454.9	1446.4	1437.9	1446.4	1454.9	1457.0	1463.3	1471.7	1476.0	1489.0	1514.8
167.5°	1469.0	1464.9	1461.0	1464.9	1469.0	1470.0	1475.3	1482.5	1486.1	1494.5	1511.4
170°	1484.1	1480.1	1476.0	1480.1	1484.1	1485.1	1485.4	1485.9	1486.1	1494.5	1511.4
172.5°	1485.9	1484.9	1484.0	1484.9	1485.9	1486.1	1486.1	1486.1	1486.1	1492.7	1506.1
175°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1492.1	1488.1	1486.1	1490.3	1498.8
177.5°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1492.7	1489.6	1488.1	1491.4	1498.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	1976.7	1970.8	1978.6	1957.3	1978.6	1970.8	1976.7	1990.2	1978.6	1986.4	1994.1
5°	1734.4	1724.7	1693.7	1668.5	1693.7	1724.7	1734.4	1775.1	1794.5	1829.4	1875.9
7.5°	1550.3	1542.6	1534.8	1519.3	1534.8	1542.6	1550.3	1561.9	1581.3	1612.3	1647.2
10°	1509.6	1511.5	1523.2	1521.2	1523.2	1511.5	1509.6	1505.7	1499.9	1505.7	1527.0
12.5°	1614.3	1631.7	1695.7	1691.8	1695.7	1631.7	1614.3	1536.7	1484.4	1474.7	1478.6
15°	1734.4	1740.2	1753.8	1755.7	1753.8	1740.2	1734.4	1703.4	1546.4	1478.6	1457.3
17.5°	1746.0	1748.0	1757.7	1757.7	1757.7	1748.0	1746.0	1732.5	1680.1	1589.1	1468.9
20°	1736.4	1740.2	1759.6	1763.5	1759.6	1740.2	1736.4	1718.9	1689.8	1656.9	1565.8
22.5°	1732.5	1740.2	1755.7	1753.8	1755.7	1740.2	1732.5	1705.3	1680.1	1656.9	1620.1
25°	1713.1	1713.1	1715.0	1717.0	1715.0	1713.1	1713.1	1691.8	1641.4	1635.6	1614.3
27.5°	1672.4	1676.3	1687.9	1686.0	1687.9	1676.3	1672.4	1664.6	1610.4	1604.6	1589.1
30°	1635.6	1631.7	1622.0	1614.3	1622.0	1631.7	1635.6	1623.9	1569.7	1554.2	1558.1
32.5°	1573.6	1563.9	1554.2	1548.4	1554.2	1563.9	1573.6	1569.7	1529.0	1507.7	1511.5
35°	1499.9	1501.9	1499.9	1494.1	1499.9	1501.9	1499.9	1503.8	1478.6	1459.2	1457.3
37.5°	1447.6	1451.5	1449.5	1441.8	1449.5	1451.5	1447.6	1443.7	1408.8	1403.0	1406.9
40°	1393.3	1395.3	1393.3	1387.5	1393.3	1395.3	1393.3	1385.6	1337.1	1339.1	1352.6
42.5°	1341.0	1339.1	1333.2	1329.4	1333.2	1339.1	1341.0	1329.4	1267.4	1261.5	1286.7
45°	1280.9	1282.9	1271.2	1265.4	1271.2	1282.9	1280.9	1273.2	1209.2	1193.7	1211.2
47.5°	1220.8	1220.8	1211.2	1205.3	1211.2	1220.8	1220.8	1211.2	1143.4	1127.9	1137.6
50°	1156.9	1155.0	1141.5	1139.5	1141.5	1155.0	1156.9	1151.2	1079.5	1065.9	1065.9
52.5°	1083.3	1083.3	1085.3	1089.2	1085.3	1083.3	1083.3	1085.3	1021.3	1007.8	1003.9
55°	1019.4	1021.3	1034.9	1038.8	1034.9	1021.3	1019.4	1019.4	961.2	947.7	939.9
57.5°	953.5	953.5	963.2	963.2	963.2	953.5	953.5	949.6	893.4	881.8	877.9
60°	877.9	881.8	889.5	887.6	889.5	881.8	877.9	874.0	825.6	817.8	804.3
62.5°	798.5	802.3	804.3	800.4	804.3	802.3	798.5	786.8	757.8	751.9	734.5
65°	715.1	719.0	720.9	717.1	720.9	719.0	715.1	709.3	688.0	678.3	662.8
67.5°	629.8	627.9	626.0	633.7	626.0	627.9	629.8	622.1	608.5	600.8	579.5
70°	542.6	542.6	540.7	544.6	540.7	542.6	542.6	536.8	529.1	523.3	503.9
72.5°	449.6	447.7	455.4	449.6	455.4	447.7	449.6	447.7	443.8	438.0	418.6
75°	358.5	362.4	358.5	364.3	358.5	362.4	358.5	360.5	358.5	354.7	341.1
77.5°	273.3	277.1	273.3	273.3	273.3	277.1	273.3	275.2	275.2	275.2	263.6
80°	193.8	191.9	191.9	189.9	191.9	191.9	193.8	193.8	195.7	191.9	188.0
82.5°	124.0	122.1	122.1	126.0	122.1	122.1	124.0	126.0	122.1	122.1	122.1
85°	67.8	69.8	65.9	65.9	65.9	69.8	67.8	64.0	67.8	67.8	65.9
87.5°	25.2	23.3	23.3	23.3	23.3	23.3	25.2	27.1	27.1	27.1	29.1
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.8	67.7	76.3	65.6
92.5°	190.6	183.0	152.7	122.4	152.7	183.0	190.6	270.3	376.4	429.5	377.0
95°	647.2	624.2	532.4	440.5	532.4	624.2	647.2	849.9	1120.2	1255.2	1060.2
97.5°	1494.1	1450.4	1275.6	1100.8	1275.6	1450.4	1494.1	1622.2	1793.0	1878.4	1553.1
100°	2098.2	2046.1	1837.8	1629.6	1837.8	2046.1	2098.2	2088.8	2076.3	2070.1	1709.0
102.5°	2613.9	2569.3	2390.9	2212.5	2390.9	2569.3	2613.9	2450.7	2233.1	2124.2	1758.2
105°	3215.9	3192.0	3096.1	3000.2	3096.1	3192.0	3215.9	2850.0	2362.1	2118.2	1763.7
107.5°	3529.0	3534.8	3558.0	3581.1	3558.0	3534.8	3529.0	3018.6	2338.1	1997.8	1685.2
110°	3609.2	3634.2	3734.1	3834.0	3734.1	3634.2	3609.2	3038.7	2277.9	1897.5	1615.6



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3558.1	3596.4	3749.8	3903.2	3749.8	3596.4	3558.1	2974.1	2195.5	1806.1	1554.9
115°	3384.5	3437.7	3650.4	3863.1	3650.4	3437.7	3384.5	2821.9	2071.8	1696.8	1485.2
117.5°	3144.7	3203.7	3439.6	3675.5	3439.6	3203.7	3144.7	2636.9	1960.0	1621.5	1441.6
120°	2983.2	3040.4	3269.7	3498.9	3269.7	3040.4	2983.2	2519.2	1900.7	1591.4	1426.9
122.5°	2821.6	2878.1	3104.3	3330.4	3104.3	2878.1	2821.6	2403.9	1846.8	1568.3	1419.1
125°	2607.9	2659.9	2868.2	3076.5	2868.2	2659.9	2607.9	2253.0	1779.9	1543.2	1412.8
127.5°	2436.3	2480.2	2655.9	2831.6	2655.9	2480.2	2436.3	2131.6	1725.3	1522.2	1409.1
130°	2327.9	2368.5	2530.8	2693.1	2530.8	2368.5	2327.9	2056.7	1695.0	1514.2	1411.3
132.5°	2235.6	2271.9	2417.4	2562.7	2417.4	2271.9	2235.6	1992.7	1669.0	1507.1	1412.8
135°	2105.2	2136.5	2261.8	2387.1	2261.8	2136.5	2105.2	1901.8	1630.6	1495.1	1411.4
137.5°	2008.8	2034.5	2137.0	2239.6	2137.0	2034.5	2008.8	1836.9	1607.7	1493.0	1420.2
140°	1931.6	1955.5	2051.5	2147.3	2051.5	1955.5	1931.6	1783.1	1585.1	1486.1	1421.6
142.5°	1877.3	1898.0	1980.4	2063.0	1980.4	1898.0	1877.3	1746.9	1573.0	1486.1	1426.8
145°	1796.1	1811.7	1874.1	1936.5	1874.1	1811.7	1796.1	1689.5	1547.1	1476.0	1426.8
147.5°	1727.9	1740.8	1792.6	1844.3	1792.6	1740.8	1727.9	1643.9	1532.0	1476.0	1436.5
150°	1688.8	1699.2	1741.2	1783.1	1741.2	1699.2	1688.8	1617.8	1523.3	1476.0	1441.7
152.5°	1657.7	1665.6	1697.2	1728.9	1697.2	1665.6	1657.7	1597.1	1516.4	1476.0	1445.0
155°	1620.6	1625.8	1646.7	1667.6	1646.7	1625.8	1620.6	1572.4	1508.2	1476.0	1452.3
157.5°	1588.4	1592.1	1606.8	1621.5	1606.8	1592.1	1588.4	1550.9	1501.0	1476.0	1459.7
160°	1572.3	1574.4	1582.9	1591.4	1582.9	1574.4	1572.3	1540.2	1497.4	1476.0	1463.1
162.5°	1557.3	1559.3	1567.4	1575.4	1567.4	1559.3	1557.3	1530.1	1494.0	1476.0	1466.6
165°	1534.2	1536.3	1544.8	1553.3	1544.8	1536.3	1534.2	1514.8	1489.0	1476.0	1471.7
167.5°	1524.1	1525.0	1528.6	1532.2	1528.6	1525.0	1524.1	1511.4	1494.5	1486.1	1482.5
170°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1511.4	1494.5	1486.1	1485.9
172.5°	1516.2	1515.4	1512.2	1509.1	1512.2	1515.4	1516.2	1506.1	1492.7	1486.1	1486.1
175°	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1505.1	1498.8	1490.3	1486.1	1488.1
177.5°	1503.1	1502.2	1498.7	1495.1	1498.7	1502.2	1503.1	1498.1	1491.4	1488.1	1489.6
180°	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2048.4	2048.4	2048.4	2048.4	2048.4
2.5°	2023.2	2032.9	2038.7	2046.4	2065.8
5°	1945.7	1982.5	1994.1	2023.2	2058.1
7.5°	1775.1	1887.5	1918.5	1988.3	2042.6
10°	1610.4	1722.8	1777.0	1941.8	2023.2
12.5°	1527.0	1592.9	1629.8	1860.4	1996.0
15°	1474.7	1521.2	1548.4	1751.9	1965.0
17.5°	1434.0	1467.0	1486.3	1645.3	1922.4
20°	1408.8	1424.3	1441.8	1567.7	1873.9
22.5°	1391.4	1381.7	1395.3	1513.5	1808.1
25°	1379.8	1342.9	1358.4	1470.8	1730.5
27.5°	1389.4	1308.1	1313.9	1432.1	1649.1
30°	1391.4	1265.4	1267.4	1391.4	1558.1
32.5°	1377.8	1220.8	1222.8	1341.0	1455.3
35°	1344.9	1168.5	1166.6	1282.9	1315.8
37.5°	1300.3	1112.4	1112.4	1218.9	1162.7
40°	1246.0	1056.2	1062.0	1135.7	1027.1
42.5°	1180.1	996.1	1003.9	1025.2	926.4
45°	1108.5	938.0	943.8	866.3	848.8
47.5°	1029.1	877.9	879.9	719.0	823.6
50°	934.1	815.9	808.1	616.3	821.7
52.5°	850.8	748.1	724.8	558.1	746.1
55°	769.4	676.4	626.0	513.6	691.9
57.5°	697.7	583.3	534.9	461.2	680.2
60°	631.8	492.3	455.4	405.0	624.0
62.5°	577.5	424.4	416.7	366.3	565.9
65°	519.4	377.9	376.0	333.3	480.6
67.5°	463.2	346.9	345.0	302.3	366.3
70°	403.1	314.0	310.1	269.4	271.3
72.5°	341.1	277.1	273.3	242.2	224.8
75°	279.1	234.5	232.6	211.2	182.2
77.5°	219.0	186.0	189.9	170.5	133.7
80°	157.0	135.7	139.5	122.1	100.8
82.5°	104.7	89.1	93.0	77.5	67.8
85°	58.1	50.4	52.3	40.7	31.0
87.5°	27.1	23.3	23.3	15.5	9.7
90°	44.2	28.1	26.1	18.1	10.1
92.5°	272.3	193.7	176.6	108.3	40.1
95°	670.0	377.3	346.1	221.2	96.3
97.5°	902.4	414.4	386.9	276.7	166.6
100°	987.0	445.5	420.5	320.6	220.7
102.5°	1025.9	476.7	453.3	360.1	266.9
105°	1054.6	522.8	503.0	424.1	345.2
107.5°	1059.9	591.0	572.6	499.0	425.5
110°	1051.9	629.2	612.6	546.1	479.7



TEST NUMBER: P935600

CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1052.2	675.3	659.5	596.1	532.9
115°	1061.9	744.5	729.9	671.5	613.1
117.5°	1081.7	811.7	798.5	745.5	692.4
120°	1097.7	850.9	838.4	788.5	738.5
122.5°	1120.7	897.0	884.4	834.0	783.6
125°	1151.9	956.2	944.8	898.8	852.9
127.5°	1183.1	1013.5	1001.8	955.5	909.1
130°	1205.7	1051.6	1039.1	989.2	939.2
132.5°	1224.1	1082.7	1070.2	1020.3	970.3
135°	1244.2	1118.8	1107.5	1061.9	1016.5
137.5°	1274.3	1164.9	1153.7	1108.6	1063.6
140°	1292.7	1196.0	1185.7	1144.2	1102.7
142.5°	1308.1	1219.1	1209.5	1171.2	1132.9
145°	1328.2	1254.3	1245.9	1212.4	1179.0
147.5°	1357.7	1298.5	1290.3	1257.8	1225.2
150°	1373.0	1321.5	1314.2	1284.7	1255.2
152.5°	1383.1	1336.5	1330.9	1308.6	1286.3
155°	1405.1	1369.7	1365.5	1349.0	1332.6
157.5°	1427.1	1402.7	1398.8	1382.7	1366.7
160°	1437.2	1417.8	1414.7	1402.2	1389.7
162.5°	1447.9	1433.8	1431.5	1422.1	1412.8
165°	1463.3	1457.0	1454.9	1446.4	1437.9
167.5°	1475.3	1470.0	1469.0	1464.9	1461.0
170°	1485.4	1485.1	1484.1	1480.1	1476.0
172.5°	1486.1	1486.1	1485.9	1484.9	1484.0
175°	1492.1	1495.1	1495.1	1495.1	1495.1
177.5°	1492.7	1495.1	1495.1	1495.1	1495.1
180°	1495.1	1495.1	1495.1	1495.1	1495.1



TEST NUMBER: P935600  
 CATALOG NUMBER: SQ4-FA-125U-075D-B35-1D-UNV-STD-W-8

**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	11.11	11.85	12.18	12.93	14.39	13.95	14.69	15.02	15.76	17.23
	3H	11.58	12.24	12.66	13.33	14.81	15.29	15.95	16.37	17.03	18.52
	4H	11.76	12.39	12.86	13.48	14.97	15.73	16.36	16.82	17.44	18.93
	6H	11.87	12.46	12.98	13.54	15.05	16.01	16.59	17.11	17.67	19.18
	8H	11.87	12.43	12.98	13.53	15.02	16.08	16.63	17.18	17.73	19.23
	12H	11.84	12.36	12.95	13.46	14.98	16.11	16.64	17.22	17.74	19.25
4H	2H	12.13	12.76	13.23	13.84	15.33	14.34	14.97	15.44	16.06	17.55
	3H	13.14	13.67	14.25	14.78	16.28	15.84	16.36	16.94	17.48	18.98
	4H	13.42	13.90	14.53	15.00	16.52	16.36	16.85	17.47	17.95	19.47
	6H	13.53	13.95	14.65	15.07	16.59	16.72	17.14	17.84	18.26	19.78
	8H	13.54	13.92	14.66	15.04	16.57	16.83	17.21	17.95	18.33	19.86
	12H	13.50	13.85	14.63	14.98	16.51	16.88	17.23	18.02	18.36	19.90
8H	4H	13.86	14.25	14.98	15.36	16.90	16.48	16.86	17.60	17.98	19.51
	6H	14.12	14.44	15.26	15.60	17.12	16.91	17.23	18.05	18.39	19.92
	8H	14.16	14.44	15.31	15.58	17.13	17.06	17.34	18.21	18.48	20.03
	12H	14.14	14.38	15.29	15.52	17.10	17.16	17.40	18.31	18.54	20.12
12H	4H	13.86	14.21	15.00	15.34	16.88	16.44	16.79	17.57	17.91	19.45
	6H	14.18	14.46	15.32	15.60	17.14	16.91	17.19	18.05	18.32	19.87
	8H	14.24	14.48	15.39	15.62	17.20	17.06	17.31	18.21	18.44	20.03