

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: P935807

Luminaire Tested: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

Issue Date: 12/17/2024

**Test Information**

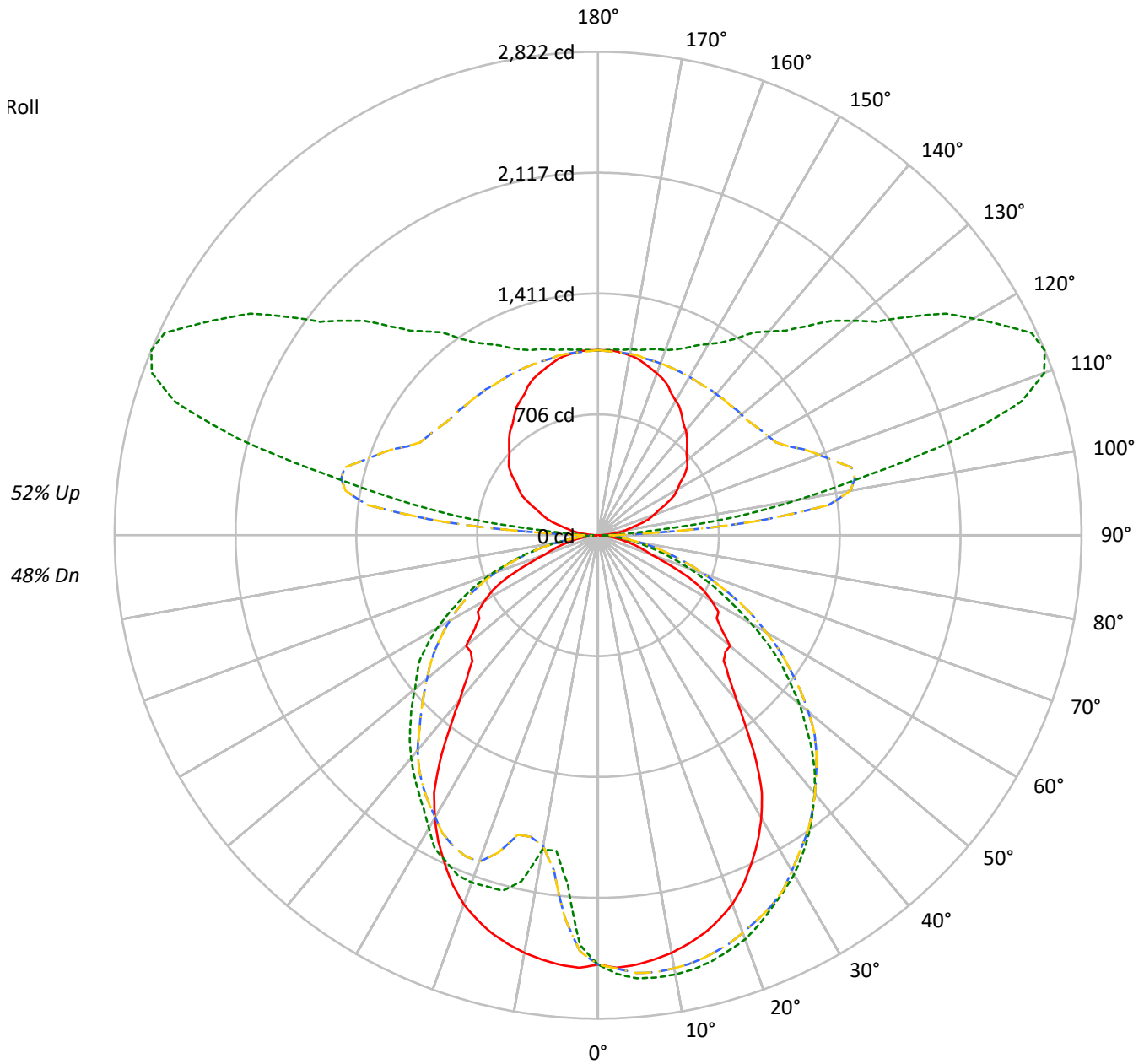
Test Method: LM-79-2019  
Report Number: P935807  
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13507.5 lumens  
Efficiency: N/A  
Efficacy: 119.7 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): 112.8  
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: P935807  
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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15611	15647	15611	12304
10°	15501	15414	15501	11019
15°	15326	15079	15326	12591
20°	15000	14684	15000	12618
25°	14338	14107	14338	12351
30°	13484	13628	13484	11764
35°	12016	13022	12016	11118
40°	10006	12308	10006	10631
45°	8935	11474	8935	10070
50°	9486	10478	9486	9508
55°	8915	9405	8915	9182
60°	9180	7988	9180	8411
65°	8310	6603	8310	7381
70°	5740	5262	5740	6187
75°	5016	3890	5016	4658
80°	4013	2571	4013	2800
85°	2260	1362	2260	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13702 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.2	1.7
10°-20°	642.2	4.8
20°-30°	992.7	7.3
30°-40°	1185.1	8.8
40°-50°	1192.1	8.8
50°-60°	1037.2	7.7
60°-70°	735.4	5.4
70°-80°	389.1	2.9
80°-90°	101.0	0.7
90°-100°	526.8	3.9
100°-110°	1385.1	10.3
110°-120°	1436.2	10.6
120°-130°	1152.0	8.5
130°-140°	903.9	6.7
140°-150°	693.8	5.1
150°-160°	499.6	3.7
160°-170°	305.7	2.3
170°-180°	103.3	0.8
0°-30°	1861.1	13.8
0°-40°	3046.2	22.6
0°-60°	5275.5	39.1
0°-90°	6501.0	48.1
90°-120°	3348.1	24.8
90°-150°	6097.8	45.1
90°-180°	7006.0	51.9
0°-180°	13507.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2506	2506	2506	2506	2506	
5°	2518	2596	2518	2041	2518	239
15°	2404	2572	2404	2148	2404	676
25°	2117	2399	2117	2100	2117	972
35°	1610	2141	1610	1828	1610	996
45°	1038	1764	1038	1548	1038	832
55°	846	1301	846	1271	846	778
65°	588	785	588	877	588	562
75°	223	372	223	446	223	234
85°	38	95	38	81	38	51
90°	7	28	7	28	7	8
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	616	2224	616	2224	616	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1039	1123	1039	1123	1039	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



TEST NUMBER: P935807  
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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2527.0	2527.0	2541.3	2546.0	2546.0	2538.9	2531.8	2538.9	2560.3	2567.4	2565.0
5°	2517.6	2536.6	2562.6	2567.4	2572.1	2569.7	2565.0	2569.7	2593.4	2598.2	2600.5
7.5°	2498.6	2534.1	2567.4	2574.5	2581.6	2574.5	2572.1	2576.8	2600.5	2605.3	2605.3
10°	2474.9	2524.7	2562.6	2567.4	2574.5	2567.4	2567.4	2576.8	2600.5	2605.3	2607.6
12.5°	2441.8	2510.5	2546.0	2550.8	2560.3	2557.9	2555.5	2565.0	2588.7	2593.4	2593.4
15°	2403.8	2484.3	2517.6	2522.4	2538.9	2534.1	2534.1	2543.7	2569.7	2576.8	2574.5
17.5°	2351.6	2451.2	2489.1	2496.2	2508.1	2505.7	2508.1	2517.6	2541.3	2546.0	2548.4
20°	2292.4	2406.2	2451.2	2458.3	2470.1	2470.1	2470.1	2482.0	2505.7	2515.2	2515.2
22.5°	2211.8	2358.7	2406.2	2410.9	2425.1	2425.1	2429.9	2446.4	2467.8	2470.1	2470.1
25°	2116.9	2306.6	2346.9	2361.2	2375.3	2382.4	2389.5	2399.1	2406.2	2403.8	2406.2
27.5°	2017.3	2240.2	2292.4	2301.8	2320.8	2327.9	2337.4	2339.8	2342.2	2349.3	2344.5
30°	1905.9	2147.7	2226.0	2235.4	2266.3	2271.0	2261.6	2266.3	2278.1	2282.9	2287.6
32.5°	1780.3	2010.2	2157.3	2178.6	2207.0	2192.8	2190.4	2197.5	2216.5	2216.5	2221.2
35°	1609.7	1903.6	2093.3	2112.2	2133.5	2116.9	2126.4	2128.8	2140.6	2147.7	2145.4
37.5°	1422.4	1811.1	2026.9	2041.1	2057.7	2036.3	2050.6	2057.7	2067.1	2062.5	2062.5
40°	1256.4	1666.5	1948.6	1958.1	1972.3	1955.7	1970.0	1974.8	1979.4	1974.8	1972.3
42.5°	1133.1	1507.7	1865.7	1877.5	1868.0	1879.9	1884.6	1894.2	1887.0	1877.5	1877.5
45°	1038.3	1465.1	1775.5	1789.8	1775.5	1794.6	1801.7	1801.7	1780.3	1775.5	1773.2
47.5°	1007.5	1379.7	1685.5	1685.5	1678.4	1702.1	1714.0	1697.4	1676.0	1668.9	1668.9
50°	1005.2	1284.9	1562.2	1552.8	1585.9	1614.4	1602.6	1585.9	1569.3	1543.2	1543.2
52.5°	912.7	1168.7	1403.4	1438.9	1491.1	1507.7	1488.7	1472.2	1443.7	1431.8	1422.4
55°	846.3	1047.8	1258.8	1329.9	1384.5	1405.8	1370.2	1353.6	1311.0	1303.9	1299.1
57.5°	832.1	872.4	1126.0	1216.2	1282.5	1280.1	1258.8	1227.9	1192.4	1185.3	1182.9
60°	763.4	630.5	983.8	1090.4	1159.2	1152.1	1133.1	1104.7	1071.5	1066.8	1062.1
62.5°	692.2	457.6	822.6	943.5	1040.7	1038.3	1021.7	979.0	955.4	943.5	934.0
65°	588.0	384.1	585.5	784.7	924.6	929.2	893.7	862.9	836.9	822.6	820.2
67.5°	448.0	312.9	395.9	654.3	813.1	808.4	763.4	749.1	715.9	708.8	694.6
70°	331.9	208.7	275.0	531.0	704.0	692.2	656.7	640.1	609.2	592.6	583.2
72.5°	275.0	168.3	201.5	412.5	592.6	578.4	547.6	528.6	502.6	488.4	478.9
75°	222.9	177.8	154.1	305.8	481.2	471.8	443.3	424.3	403.0	384.1	386.4
77.5°	163.5	166.0	123.3	225.2	381.6	367.4	350.8	327.2	317.7	298.7	298.7
80°	123.3	130.4	92.5	154.1	275.0	275.0	260.8	244.1	227.6	218.1	218.1
82.5°	82.9	82.9	68.7	97.2	187.3	180.2	170.6	166.0	156.4	151.7	151.7
85°	37.9	47.4	42.7	59.3	101.9	106.7	106.7	101.9	99.6	94.8	97.2
87.5°	11.9	21.3	26.1	33.2	52.1	54.5	56.9	56.9	56.9	59.3	59.3
90°	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7	27.6	27.6
92.5°	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4	137.9	132.3
95°	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4	467.8	451.2
97.5°	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7	1080.1	1048.5
100°	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0	1516.7	1479.1
102.5°	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6	1889.6	1857.4
105°	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3	2324.8	2307.4
107.5°	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2	2551.1	2555.3
110°	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7	2609.2	2627.2



TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0	2572.1	2599.9
115°	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0	2446.7	2485.2
117.5°	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3	2273.4	2315.9
120°	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1	2156.5	2198.0
122.5°	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8	2039.8	2080.6
125°	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7	1885.3	1922.9
127.5°	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0	1761.2	1793.0
130°	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7	1682.9	1712.2
132.5°	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6	1616.1	1642.3
135°	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8	1521.9	1544.5
137.5°	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9	1452.2	1470.7
140°	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0	1396.3	1413.7
142.5°	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9	1357.2	1372.1
145°	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3	1298.4	1309.7
147.5°	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4	1249.1	1258.5
150°	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6	1220.8	1228.4
152.5°	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5	1198.3	1204.0
155°	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7	1171.5	1175.3
157.5°	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2	1148.3	1150.9
160°	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4	1136.7	1138.2
162.5°	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1	1125.8	1127.2
165°	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1	1109.1	1110.6
167.5°	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7	1101.8	1102.5
170°	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7	1101.8	1101.8
172.5°	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8	1096.0	1095.5
175°	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0	1086.6	1086.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935807  
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2569.7	2562.6	2569.7	2565.0	2567.4	2560.3	2538.9	2531.8	2538.9	2546.0	2546.0
5°	2600.5	2595.8	2600.5	2600.5	2598.2	2593.4	2569.7	2565.0	2569.7	2572.1	2567.4
7.5°	2610.1	2603.0	2610.1	2605.3	2605.3	2600.5	2576.8	2572.1	2574.5	2581.6	2574.5
10°	2610.1	2603.0	2610.1	2607.6	2605.3	2600.5	2576.8	2567.4	2567.4	2574.5	2567.4
12.5°	2598.2	2593.4	2598.2	2593.4	2593.4	2588.7	2565.0	2555.5	2557.9	2560.3	2550.8
15°	2579.2	2572.1	2579.2	2574.5	2576.8	2569.7	2543.7	2534.1	2534.1	2538.9	2522.4
17.5°	2550.8	2541.3	2550.8	2548.4	2546.0	2541.3	2517.6	2508.1	2505.7	2508.1	2496.2
20°	2517.6	2510.5	2517.6	2515.2	2515.2	2505.7	2482.0	2470.1	2470.1	2470.1	2458.3
22.5°	2465.4	2458.3	2465.4	2470.1	2470.1	2467.8	2446.4	2429.9	2425.1	2425.1	2410.9
25°	2406.2	2399.1	2406.2	2406.2	2403.8	2406.2	2399.1	2389.5	2382.4	2375.3	2361.2
27.5°	2349.3	2344.5	2349.3	2344.5	2349.3	2342.2	2339.8	2337.4	2327.9	2320.8	2301.8
30°	2292.4	2287.6	2292.4	2287.6	2282.9	2278.1	2266.3	2261.6	2271.0	2266.3	2235.4
32.5°	2221.2	2216.5	2221.2	2221.2	2216.5	2216.5	2197.5	2190.4	2192.8	2207.0	2178.6
35°	2147.7	2140.6	2147.7	2145.4	2147.7	2140.6	2128.8	2126.4	2116.9	2133.5	2112.2
37.5°	2062.5	2055.3	2062.5	2062.5	2062.5	2067.1	2057.7	2050.6	2036.3	2057.7	2041.1
40°	1974.8	1965.2	1974.8	1972.3	1974.8	1979.4	1974.8	1970.0	1955.7	1972.3	1958.1
42.5°	1875.2	1872.8	1875.2	1877.5	1877.5	1887.0	1894.2	1884.6	1879.9	1868.0	1877.5
45°	1768.4	1763.8	1768.4	1773.2	1775.5	1780.3	1801.7	1801.7	1794.6	1775.5	1789.8
47.5°	1654.7	1642.8	1654.7	1668.9	1668.9	1676.0	1697.4	1714.0	1702.1	1678.4	1685.5
50°	1533.8	1536.1	1533.8	1543.2	1543.2	1569.3	1585.9	1602.6	1614.4	1585.9	1552.8
52.5°	1415.3	1412.9	1415.3	1422.4	1431.8	1443.7	1472.2	1488.7	1507.7	1491.1	1438.9
55°	1296.7	1301.4	1296.7	1299.1	1303.9	1311.0	1353.6	1370.2	1405.8	1384.5	1329.9
57.5°	1178.1	1171.0	1178.1	1182.9	1185.3	1192.4	1227.9	1258.8	1280.1	1282.5	1216.2
60°	1040.7	1031.2	1040.7	1062.1	1066.8	1071.5	1104.7	1133.1	1152.1	1159.2	1090.4
62.5°	919.8	903.2	919.8	934.0	943.5	955.4	979.0	1021.7	1038.3	1040.7	943.5
65°	791.8	784.7	791.8	820.2	822.6	836.9	862.9	893.7	929.2	924.6	784.7
67.5°	675.7	675.7	675.7	694.6	708.8	715.9	749.1	763.4	808.4	813.1	654.3
70°	568.9	566.6	568.9	583.2	592.6	609.2	640.1	656.7	692.2	704.0	531.0
72.5°	467.0	464.7	467.0	478.9	488.4	502.6	528.6	547.6	578.4	592.6	412.5
75°	377.0	372.2	377.0	386.4	384.1	403.0	424.3	443.3	471.8	481.2	305.8
77.5°	289.3	289.3	289.3	298.7	298.7	317.7	327.2	350.8	367.4	381.6	225.2
80°	215.8	213.3	215.8	218.1	218.1	227.6	244.1	260.8	275.0	275.0	154.1
82.5°	151.7	147.0	151.7	151.7	151.7	156.4	166.0	170.6	180.2	187.3	97.2
85°	94.8	94.8	94.8	97.2	94.8	99.6	101.9	106.7	106.7	101.9	59.3
87.5°	61.6	59.3	61.6	59.3	59.3	56.9	56.9	56.9	54.5	52.1	33.2
90°	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4	31.8	20.3
92.5°	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5	196.8	140.0
95°	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4	484.3	272.7
97.5°	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8	652.3	299.5
100°	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5	713.5	322.0
102.5°	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9	741.6	344.6
105°	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0	762.3	377.9
107.5°	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2	766.3	427.2
110°	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9	760.4	454.8





TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0	760.6	488.2
115°	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6	767.7	538.3
117.5°	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1	781.9	586.8
120°	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4	793.5	615.1
122.5°	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9	810.2	648.5
125°	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3	832.8	691.3
127.5°	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7	855.3	732.6
130°	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2	871.6	760.2
132.5°	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3	885.0	782.7
135°	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4	899.4	808.8
137.5°	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7	921.2	842.2
140°	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7	934.5	864.6
142.5°	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4	945.7	881.3
145°	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4	960.2	906.7
147.5°	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5	981.4	938.7
150°	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2	992.6	955.3
152.5°	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6	999.8	966.2
155°	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9	1015.7	990.1
157.5°	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2	1031.7	1014.0
160°	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7	1039.0	1025.0
162.5°	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3	1046.7	1036.6
165°	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9	1057.8	1053.3
167.5°	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7	1066.5	1062.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1	1073.8	1073.5
172.5°	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.8
177.5°	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8	1079.1	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935807  
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2541.3	2527.0	2527.0	2503.4	2493.9	2486.8	2474.9	2439.3	2429.9	2420.4	2434.6
5°	2562.6	2536.6	2517.6	2474.9	2439.3	2425.1	2380.1	2294.7	2237.9	2195.2	2171.5
7.5°	2567.4	2534.1	2498.6	2432.2	2346.9	2308.9	2171.5	2015.0	1972.3	1934.4	1910.7
10°	2562.6	2524.7	2474.9	2375.3	2173.9	2107.5	1970.0	1868.0	1841.9	1834.8	1841.9
12.5°	2546.0	2510.5	2441.8	2275.8	1993.7	1948.6	1868.0	1808.8	1804.0	1815.9	1879.9
15°	2517.6	2484.3	2403.8	2143.1	1894.2	1860.9	1804.0	1782.7	1808.8	1891.7	2083.8
17.5°	2489.1	2451.2	2351.6	2012.7	1818.2	1794.6	1754.2	1796.9	1943.9	2055.3	2119.3
20°	2451.2	2406.2	2292.4	1917.8	1763.8	1742.4	1723.4	1915.4	2026.9	2067.1	2102.7
22.5°	2406.2	2358.7	2211.8	1851.5	1706.8	1690.3	1702.1	1981.9	2026.9	2055.3	2086.1
25°	2346.9	2306.6	2116.9	1799.3	1661.8	1642.8	1687.8	1974.8	2000.8	2007.9	2069.6
27.5°	2292.4	2240.2	2017.3	1751.9	1607.2	1600.1	1699.7	1943.9	1962.9	1970.0	2036.3
30°	2226.0	2147.7	1905.9	1702.1	1550.3	1548.0	1702.1	1905.9	1901.3	1920.2	1986.5
32.5°	2157.3	2010.2	1780.3	1640.5	1495.9	1493.5	1685.5	1849.0	1844.4	1870.4	1920.2
35°	2093.3	1903.6	1609.7	1569.3	1427.1	1429.5	1645.2	1782.7	1785.1	1808.8	1839.6
37.5°	2026.9	1811.1	1422.4	1491.1	1360.7	1360.7	1590.7	1721.1	1716.3	1723.4	1766.1
40°	1948.6	1666.5	1256.4	1389.1	1299.1	1292.0	1524.3	1654.7	1638.0	1635.7	1695.0
42.5°	1865.7	1507.7	1133.1	1254.1	1227.9	1218.5	1443.7	1574.1	1543.2	1550.3	1626.2
45°	1775.5	1465.1	1038.3	1059.6	1154.5	1147.3	1356.0	1481.6	1460.3	1479.3	1557.4
47.5°	1685.5	1379.7	1007.5	879.5	1076.2	1073.9	1258.8	1391.6	1379.7	1398.7	1481.6
50°	1562.2	1284.9	1005.2	753.8	988.5	998.0	1142.7	1303.9	1303.9	1320.4	1408.1
52.5°	1403.4	1168.7	912.7	682.8	886.6	915.0	1040.7	1227.9	1232.7	1249.3	1327.5
55°	1258.8	1047.8	846.3	628.2	765.7	827.3	941.1	1149.8	1159.2	1175.8	1246.9
57.5°	1126.0	872.4	832.1	564.2	654.3	713.6	853.4	1073.9	1078.6	1092.9	1161.6
60°	983.8	630.5	763.4	495.5	557.1	602.1	772.8	983.8	1000.4	1009.8	1069.1
62.5°	822.6	457.6	692.2	448.0	509.7	519.1	706.5	898.4	919.8	926.9	962.5
65°	585.5	384.1	588.0	407.8	459.9	462.2	635.3	810.7	829.7	841.5	867.7
67.5°	395.9	312.9	448.0	369.8	422.0	424.3	566.6	708.8	734.9	744.4	760.9
70°	275.0	208.7	331.9	329.5	379.3	384.1	493.1	616.3	640.1	647.2	656.7
72.5°	201.5	168.3	275.0	296.4	334.3	339.0	417.2	512.0	535.7	542.8	547.6
75°	154.1	177.8	222.9	258.4	284.5	286.8	341.4	417.2	433.8	438.6	440.9
77.5°	123.3	166.0	163.5	208.7	232.3	227.6	267.9	322.4	336.6	336.6	336.6
80°	92.5	130.4	123.3	149.3	170.6	166.0	192.0	230.0	234.7	239.4	237.0
82.5°	68.7	82.9	82.9	94.8	113.8	109.1	128.1	149.3	149.3	149.3	154.1
85°	42.7	47.4	37.9	49.8	64.0	61.6	71.1	80.6	82.9	82.9	78.3
87.5°	26.1	21.3	11.9	19.0	28.5	28.5	33.2	35.6	33.2	33.2	33.2
90°	18.9	13.1	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7
92.5°	127.7	78.4	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4
95°	250.1	159.9	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4
97.5°	279.6	200.0	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7
100°	304.0	231.8	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0
102.5°	327.7	260.3	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3
107.5°	413.9	360.7	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2
110°	442.7	394.7	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7



TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.7	430.9	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0
115°	527.7	485.4	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0
117.5°	577.2	538.9	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3
120°	606.1	570.0	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1
122.5°	639.4	603.0	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8
125°	682.9	649.8	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7
127.5°	724.2	690.7	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0
130°	751.1	715.1	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7
132.5°	773.6	737.6	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6
135°	800.5	767.7	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8
137.5°	834.1	801.5	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9
140°	857.1	827.2	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0
142.5°	874.4	846.7	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9
145°	900.7	876.5	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3
147.5°	932.8	909.2	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4
150°	950.0	928.8	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6
152.5°	962.2	946.0	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5
155°	987.1	975.3	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7
157.5°	1011.1	999.6	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2
160°	1022.7	1013.7	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4
162.5°	1034.9	1028.1	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1
165°	1051.8	1045.6	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1
167.5°	1062.0	1059.1	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7
170°	1072.8	1069.9	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7
172.5°	1074.1	1073.4	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8
175°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935807  
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2418.0	2410.9	2420.4	2394.3	2420.4	2410.9	2418.0	2434.6	2420.4	2429.9	2439.3
5°	2121.7	2109.8	2071.9	2041.1	2071.9	2109.8	2121.7	2171.5	2195.2	2237.9	2294.7
7.5°	1896.5	1887.0	1877.5	1858.6	1877.5	1887.0	1896.5	1910.7	1934.4	1972.3	2015.0
10°	1846.7	1849.0	1863.3	1860.9	1863.3	1849.0	1846.7	1841.9	1834.8	1841.9	1868.0
12.5°	1974.8	1996.1	2074.3	2069.6	2074.3	1996.1	1974.8	1879.9	1815.9	1804.0	1808.8
15°	2121.7	2128.8	2145.4	2147.7	2145.4	2128.8	2121.7	2083.8	1891.7	1808.8	1782.7
17.5°	2135.9	2138.3	2150.2	2150.2	2150.2	2138.3	2135.9	2119.3	2055.3	1943.9	1796.9
20°	2124.1	2128.8	2152.5	2157.3	2152.5	2128.8	2124.1	2102.7	2067.1	2026.9	1915.4
22.5°	2119.3	2128.8	2147.7	2145.4	2147.7	2128.8	2119.3	2086.1	2055.3	2026.9	1981.9
25°	2095.6	2095.6	2098.0	2100.4	2098.0	2095.6	2095.6	2069.6	2007.9	2000.8	1974.8
27.5°	2045.8	2050.6	2064.8	2062.5	2064.8	2050.6	2045.8	2036.3	1970.0	1962.9	1943.9
30°	2000.8	1996.1	1984.2	1974.8	1984.2	1996.1	2000.8	1986.5	1920.2	1901.3	1905.9
32.5°	1925.0	1913.1	1901.3	1894.2	1901.3	1913.1	1925.0	1920.2	1870.4	1844.4	1849.0
35°	1834.8	1837.2	1834.8	1827.7	1834.8	1837.2	1834.8	1839.6	1808.8	1785.1	1782.7
37.5°	1770.9	1775.5	1773.2	1763.8	1773.2	1775.5	1770.9	1766.1	1723.4	1716.3	1721.1
40°	1704.5	1706.8	1704.5	1697.4	1704.5	1706.8	1704.5	1695.0	1635.7	1638.0	1654.7
42.5°	1640.5	1638.0	1631.0	1626.2	1631.0	1638.0	1640.5	1626.2	1550.3	1543.2	1574.1
45°	1567.0	1569.3	1555.1	1548.0	1555.1	1569.3	1567.0	1557.4	1479.3	1460.3	1481.6
47.5°	1493.5	1493.5	1481.6	1474.5	1481.6	1493.5	1493.5	1481.6	1398.7	1379.7	1391.6
50°	1415.3	1412.9	1396.3	1393.9	1396.3	1412.9	1415.3	1408.1	1320.4	1303.9	1303.9
52.5°	1325.2	1325.2	1327.5	1332.3	1327.5	1325.2	1325.2	1327.5	1249.3	1232.7	1227.9
55°	1246.9	1249.3	1265.9	1270.6	1265.9	1249.3	1246.9	1246.9	1175.8	1159.2	1149.8
57.5°	1166.4	1166.4	1178.1	1178.1	1178.1	1166.4	1166.4	1161.6	1092.9	1078.6	1073.9
60°	1073.9	1078.6	1088.1	1085.8	1088.1	1078.6	1073.9	1069.1	1009.8	1000.4	983.8
62.5°	976.7	981.4	983.8	979.0	983.8	981.4	976.7	962.5	926.9	919.8	898.4
65°	874.8	879.5	881.9	877.1	881.9	879.5	874.8	867.7	841.5	829.7	810.7
67.5°	770.5	768.0	765.7	775.2	765.7	768.0	770.5	760.9	744.4	734.9	708.8
70°	663.8	663.8	661.4	666.1	661.4	663.8	663.8	656.7	647.2	640.1	616.3
72.5°	549.9	547.6	557.1	549.9	557.1	547.6	549.9	547.6	542.8	535.7	512.0
75°	438.6	443.3	438.6	445.7	438.6	443.3	438.6	440.9	438.6	433.8	417.2
77.5°	334.3	339.0	334.3	334.3	334.3	339.0	334.3	336.6	336.6	336.6	322.4
80°	237.0	234.7	234.7	232.3	234.7	234.7	237.0	237.0	239.4	234.7	230.0
82.5°	151.7	149.3	149.3	154.1	149.3	149.3	151.7	154.1	149.3	149.3	149.3
85°	82.9	85.4	80.6	80.6	80.6	85.4	82.9	78.3	82.9	82.9	80.6
87.5°	30.8	28.5	28.5	28.5	28.5	28.5	30.8	33.2	33.2	33.2	35.6
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4
92.5°	137.9	132.3	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5
95°	467.8	451.2	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4
97.5°	1080.1	1048.5	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8
100°	1516.7	1479.1	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5
102.5°	1889.6	1857.4	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9
105°	2324.8	2307.4	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0
107.5°	2551.1	2555.3	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2
110°	2609.2	2627.2	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9



TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.1	2599.9	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0
115°	2446.7	2485.2	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6
117.5°	2273.4	2315.9	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1
120°	2156.5	2198.0	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4
122.5°	2039.8	2080.6	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9
125°	1885.3	1922.9	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3
127.5°	1761.2	1793.0	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7
130°	1682.9	1712.2	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2
132.5°	1616.1	1642.3	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3
135°	1521.9	1544.5	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4
137.5°	1452.2	1470.7	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7
140°	1396.3	1413.7	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7
142.5°	1357.2	1372.1	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4
145°	1298.4	1309.7	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4
147.5°	1249.1	1258.5	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5
150°	1220.8	1228.4	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2
152.5°	1198.3	1204.0	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6
155°	1171.5	1175.3	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9
157.5°	1148.3	1150.9	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2
160°	1136.7	1138.2	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7
162.5°	1125.8	1127.2	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3
165°	1109.1	1110.6	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9
167.5°	1101.8	1102.5	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1
172.5°	1096.0	1095.5	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.6	1086.0	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2474.9	2486.8	2493.9	2503.4	2527.0
5°	2380.1	2425.1	2439.3	2474.9	2517.6
7.5°	2171.5	2308.9	2346.9	2432.2	2498.6
10°	1970.0	2107.5	2173.9	2375.3	2474.9
12.5°	1868.0	1948.6	1993.7	2275.8	2441.8
15°	1804.0	1860.9	1894.2	2143.1	2403.8
17.5°	1754.2	1794.6	1818.2	2012.7	2351.6
20°	1723.4	1742.4	1763.8	1917.8	2292.4
22.5°	1702.1	1690.3	1706.8	1851.5	2211.8
25°	1687.8	1642.8	1661.8	1799.3	2116.9
27.5°	1699.7	1600.1	1607.2	1751.9	2017.3
30°	1702.1	1548.0	1550.3	1702.1	1905.9
32.5°	1685.5	1493.5	1495.9	1640.5	1780.3
35°	1645.2	1429.5	1427.1	1569.3	1609.7
37.5°	1590.7	1360.7	1360.7	1491.1	1422.4
40°	1524.3	1292.0	1299.1	1389.1	1256.4
42.5°	1443.7	1218.5	1227.9	1254.1	1133.1
45°	1356.0	1147.3	1154.5	1059.6	1038.3
47.5°	1258.8	1073.9	1076.2	879.5	1007.5
50°	1142.7	998.0	988.5	753.8	1005.2
52.5°	1040.7	915.0	886.6	682.8	912.7
55°	941.1	827.3	765.7	628.2	846.3
57.5°	853.4	713.6	654.3	564.2	832.1
60°	772.8	602.1	557.1	495.5	763.4
62.5°	706.5	519.1	509.7	448.0	692.2
65°	635.3	462.2	459.9	407.8	588.0
67.5°	566.6	424.3	422.0	369.8	448.0
70°	493.1	384.1	379.3	329.5	331.9
72.5°	417.2	339.0	334.3	296.4	275.0
75°	341.4	286.8	284.5	258.4	222.9
77.5°	267.9	227.6	232.3	208.7	163.5
80°	192.0	166.0	170.6	149.3	123.3
82.5°	128.1	109.1	113.8	94.8	82.9
85°	71.1	61.6	64.0	49.8	37.9
87.5°	33.2	28.5	28.5	19.0	11.9
90°	31.8	20.3	18.9	13.1	7.3
92.5°	196.8	140.0	127.7	78.4	29.0
95°	484.3	272.7	250.1	159.9	69.7
97.5°	652.3	299.5	279.6	200.0	120.4
100°	713.5	322.0	304.0	231.8	159.6
102.5°	741.6	344.6	327.7	260.3	193.0
105°	762.3	377.9	363.6	306.6	249.6
107.5°	766.3	427.2	413.9	360.7	307.6
110°	760.4	454.8	442.7	394.7	346.7



TEST NUMBER: P935807

CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	760.6	488.2	476.7	430.9	385.2
115°	767.7	538.3	527.7	485.4	443.2
117.5°	781.9	586.8	577.2	538.9	500.5
120°	793.5	615.1	606.1	570.0	533.9
122.5°	810.2	648.5	639.4	603.0	566.6
125°	832.8	691.3	682.9	649.8	616.5
127.5°	855.3	732.6	724.2	690.7	657.2
130°	871.6	760.2	751.1	715.1	678.9
132.5°	885.0	782.7	773.6	737.6	701.4
135°	899.4	808.8	800.5	767.7	734.8
137.5°	921.2	842.2	834.1	801.5	768.9
140°	934.5	864.6	857.1	827.2	797.2
142.5°	945.7	881.3	874.4	846.7	818.9
145°	960.2	906.7	900.7	876.5	852.3
147.5°	981.4	938.7	932.8	909.2	885.7
150°	992.6	955.3	950.0	928.8	907.5
152.5°	999.8	966.2	962.2	946.0	929.9
155°	1015.7	990.1	987.1	975.3	963.3
157.5°	1031.7	1014.0	1011.1	999.6	988.0
160°	1039.0	1025.0	1022.7	1013.7	1004.6
162.5°	1046.7	1036.6	1034.9	1028.1	1021.3
165°	1057.8	1053.3	1051.8	1045.6	1039.4
167.5°	1066.5	1062.7	1062.0	1059.1	1056.2
170°	1073.8	1073.5	1072.8	1069.9	1067.0
172.5°	1074.3	1074.3	1074.1	1073.4	1072.8
175°	1078.7	1080.8	1080.8	1080.8	1080.8
177.5°	1079.1	1080.8	1080.8	1080.8	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935807  
 CATALOG NUMBER: SQ4-FA-125U-125D-B50-1D-UNV-STD-W-6

**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	14.15	14.99	15.12	15.98	17.28	16.97	17.82	17.95	18.81	20.10
	3H	14.63	15.38	15.61	16.38	17.70	18.32	19.07	19.30	20.07	21.39
	4H	14.82	15.53	15.81	16.53	17.86	18.76	19.48	19.76	20.47	21.80
	6H	14.93	15.59	15.94	16.60	17.94	19.04	19.70	20.05	20.71	22.05
	8H	14.93	15.56	15.95	16.58	17.92	19.11	19.74	20.13	20.76	22.10
	12H	14.91	15.50	15.92	16.52	17.88	19.15	19.75	20.17	20.76	22.13
4H	2H	15.18	15.90	16.18	16.89	18.22	17.38	18.10	18.38	19.10	20.42
	3H	16.20	16.80	17.22	17.83	19.17	18.88	19.48	19.90	20.51	21.85
	4H	16.48	17.03	17.50	18.05	19.41	19.41	19.96	20.43	20.98	22.34
	6H	16.60	17.07	17.64	18.12	19.48	19.77	20.24	20.80	21.29	22.65
	8H	16.61	17.05	17.64	18.09	19.46	19.88	20.32	20.91	21.35	22.73
	12H	16.58	16.97	17.63	18.02	19.41	19.93	20.33	20.98	21.38	22.76
8H	4H	16.93	17.37	17.96	18.41	19.78	19.53	19.97	20.57	21.01	22.39
	6H	17.19	17.55	18.25	18.63	20.01	19.97	20.33	21.02	21.41	22.78
	8H	17.23	17.55	18.30	18.62	20.01	20.12	20.44	21.18	21.50	22.89
	12H	17.22	17.50	18.29	18.56	19.99	20.22	20.50	21.28	21.55	22.99
12H	4H	16.94	17.33	17.99	18.38	19.77	19.50	19.89	20.55	20.95	22.33
	6H	17.25	17.57	18.32	18.64	20.03	19.97	20.28	21.03	21.35	22.74
	8H	17.32	17.60	18.39	18.66	20.09	20.12	20.41	21.19	21.46	22.90