

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: P935408

Luminaire Tested: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

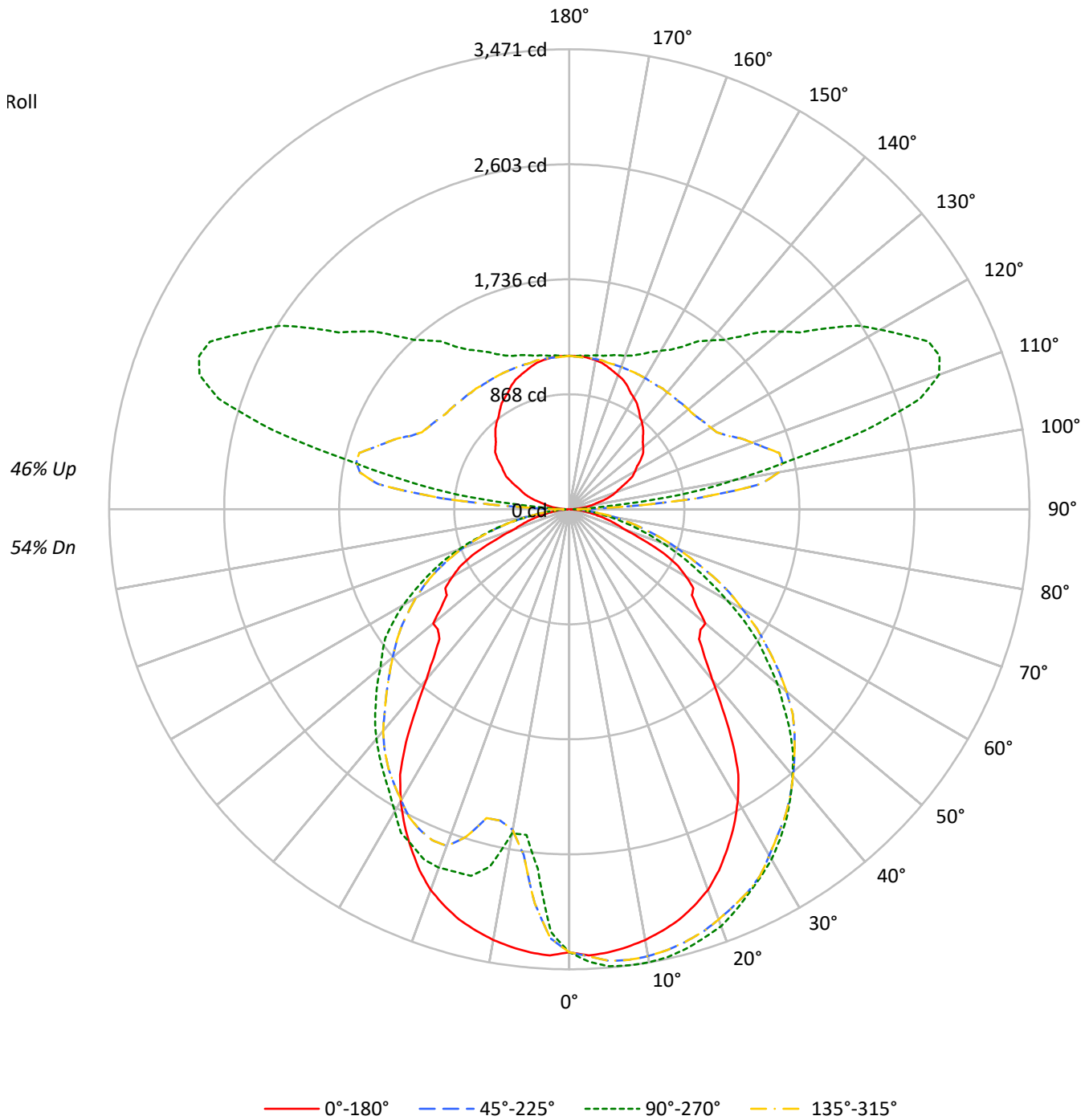
Test Method: LM-79-2019  
Report Number: P935408  
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16172.2 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 137.6  
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: P935408  
CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

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

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15617	15648	15617	12304
10°	15513	15414	15513	11020
15°	15344	15080	15344	12592
20°	15023	14684	15023	12618
25°	14366	14108	14366	12351
30°	13518	13628	13518	11764
35°	12050	13022	12050	11119
40°	10041	12309	10041	10631
45°	8972	11474	8972	10070
50°	9532	10478	9532	9509
55°	8968	9406	8968	9183
60°	9244	7988	9244	8410
65°	8381	6603	8381	7382
70°	5803	5262	5803	6187
75°	5088	3889	5088	4658
80°	4102	2572	4102	2801
85°	2352	1363	2352	1158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13751 cd/sqm



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CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.6	1.9
10°-20°	856.3	5.3
20°-30°	1323.7	8.2
30°-40°	1580.2	9.8
40°-50°	1589.5	9.8
50°-60°	1383.0	8.6
60°-70°	980.6	6.1
70°-80°	518.8	3.2
80°-90°	133.6	0.8
90°-100°	564.3	3.5
100°-110°	1483.6	9.2
110°-120°	1538.4	9.5
120°-130°	1234.0	7.6
130°-140°	968.2	6.0
140°-150°	743.1	4.6
150°-160°	535.2	3.3
160°-170°	327.5	2.0
170°-180°	110.6	0.7
0°-30°	2481.6	15.3
0°-40°	4061.8	25.1
0°-60°	7034.3	43.5
0°-90°	8667.3	53.6
90°-120°	3586.3	22.2
90°-150°	6531.7	40.4
90°-180°	7505.0	46.4
0°-180°	16172.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3341	3341	3341	3341	3341	
5°	3357	3461	3357	2722	3357	318
15°	3205	3430	3205	2864	3205	902
25°	2823	3199	2823	2801	2823	1296
35°	2146	2854	2146	2437	2146	1328
45°	1384	2352	1384	2064	1384	1109
55°	1128	1735	1128	1694	1128	1037
65°	784	1046	784	1170	784	749
75°	297	496	297	594	297	312
85°	50	126	50	108	50	68
90°	8	30	8	30	8	9
95°	75	341	75	341	75	83
105°	267	2323	267	2323	267	283
115°	475	2991	475	2991	475	469
125°	660	2382	660	2382	660	586
135°	787	1848	787	1848	787	609
145°	913	1500	913	1500	913	572
155°	1032	1291	1032	1291	1032	474
165°	1113	1203	1113	1203	1113	314
175°	1158	1165	1158	1165	1158	110
180°	1158	1158	1158	1158	1158	



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3369.5	3369.5	3388.5	3394.8	3394.8	3385.4	3375.8	3385.4	3413.8	3423.3	3420.1
5°	3356.9	3382.2	3416.9	3423.3	3429.6	3426.5	3420.1	3426.5	3458.0	3464.4	3467.6
7.5°	3331.6	3379.0	3423.3	3432.7	3442.3	3432.7	3429.6	3435.9	3467.6	3473.8	3473.8
10°	3300.0	3366.4	3416.9	3423.3	3432.7	3423.3	3423.3	3435.9	3467.6	3473.8	3477.0
12.5°	3255.7	3347.4	3394.8	3401.2	3413.8	3410.6	3407.5	3420.1	3451.7	3458.0	3458.0
15°	3205.2	3312.6	3356.9	3363.2	3385.4	3379.0	3379.0	3391.6	3426.5	3435.9	3432.7
17.5°	3135.6	3268.3	3319.0	3328.4	3344.3	3341.1	3344.3	3356.9	3388.5	3394.8	3398.0
20°	3056.6	3208.3	3268.3	3277.9	3293.7	3293.7	3293.7	3309.4	3341.1	3353.7	3353.7
22.5°	2949.1	3145.2	3208.3	3214.6	3233.6	3233.6	3240.0	3262.1	3290.5	3293.7	3293.7
25°	2822.7	3075.6	3129.3	3148.2	3167.2	3176.7	3186.2	3198.9	3208.3	3205.2	3208.3
27.5°	2689.9	2987.0	3056.6	3069.2	3094.5	3104.1	3116.7	3119.8	3123.0	3132.4	3126.1
30°	2541.4	2863.8	2968.1	2980.8	3021.9	3028.1	3015.5	3021.9	3037.6	3044.0	3050.3
32.5°	2373.9	2680.5	2876.4	2904.9	2942.8	2923.9	2920.7	2930.1	2955.5	2955.5	2961.8
35°	2146.2	2538.2	2791.1	2816.4	2844.8	2822.7	2835.3	2838.5	2854.3	2863.8	2860.7
37.5°	1896.6	2415.0	2702.6	2721.6	2743.7	2715.2	2734.2	2743.7	2756.3	2750.0	2750.0
40°	1675.3	2222.1	2598.3	2610.9	2629.9	2607.7	2626.7	2633.0	2639.4	2633.0	2629.9
42.5°	1510.9	2010.3	2487.6	2503.4	2490.8	2506.6	2512.9	2525.5	2516.1	2503.4	2503.4
45°	1384.5	1953.5	2367.5	2386.5	2367.5	2392.8	2402.3	2402.3	2373.9	2367.5	2364.3
47.5°	1343.4	1839.6	2247.4	2247.4	2238.0	2269.5	2285.3	2263.2	2234.8	2225.3	2225.3
50°	1340.2	1713.2	2083.0	2070.4	2114.7	2152.6	2136.8	2114.7	2092.5	2057.8	2057.8
52.5°	1216.9	1558.3	1871.3	1918.7	1988.2	2010.3	1985.0	1962.9	1925.0	1909.2	1896.6
55°	1128.5	1397.2	1678.5	1773.3	1846.0	1874.4	1827.0	1804.9	1748.0	1738.5	1732.2
57.5°	1109.5	1163.2	1501.4	1621.5	1710.1	1706.9	1678.5	1637.4	1589.9	1580.4	1577.3
60°	1017.8	840.8	1311.8	1454.1	1545.7	1536.2	1510.9	1473.0	1428.7	1422.4	1416.1
62.5°	923.0	610.1	1096.8	1258.0	1387.6	1384.5	1362.3	1305.5	1273.9	1258.0	1245.4
65°	783.9	512.1	780.7	1046.3	1232.8	1239.0	1191.7	1150.6	1115.8	1096.8	1093.7
67.5°	597.4	417.2	527.9	872.4	1084.2	1077.8	1017.8	998.8	954.6	945.1	926.2
70°	442.5	278.1	366.7	708.1	938.8	923.0	875.5	853.5	812.4	790.3	777.6
72.5°	366.7	224.4	268.7	550.0	790.3	771.3	730.2	704.9	670.1	651.2	638.5
75°	297.1	237.0	205.5	407.8	641.7	629.0	591.1	565.8	537.3	512.1	515.2
77.5°	218.1	221.3	164.4	300.3	508.9	490.0	467.8	436.2	423.6	398.3	398.3
80°	164.4	173.8	123.3	205.5	366.7	366.7	347.7	325.6	303.5	290.8	290.8
82.5°	110.6	110.6	91.6	129.6	249.8	240.2	227.6	221.3	208.7	202.3	202.3
85°	50.5	63.2	56.9	79.0	135.9	142.2	142.2	135.9	132.7	126.5	129.6
87.5°	15.8	28.5	34.7	44.3	69.6	72.7	75.8	75.8	75.8	79.0	79.0
90°	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3	29.5	29.5
92.5°	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3	147.7	141.8
95°	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1	501.2	483.4
97.5°	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1	1156.9	1123.1
100°	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4	1624.7	1584.3
102.5°	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7	2024.1	1989.5
105°	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9	2490.2	2471.6
107.5°	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4	2732.6	2737.1
110°	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9	2794.8	2814.1



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0	2755.2	2784.9
115°	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2	2620.8	2662.0
117.5°	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9	2435.0	2480.7
120°	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8	2310.0	2354.3
122.5°	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4	2184.9	2228.7
125°	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6	2019.4	2059.8
127.5°	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6	1886.5	1920.5
130°	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6	1802.6	1834.0
132.5°	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1	1731.1	1759.2
135°	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6	1630.1	1654.4
137.5°	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4	1555.5	1575.4
140°	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7	1495.7	1514.3
142.5°	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7	1453.8	1469.7
145°	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2	1390.8	1402.9
147.5°	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9	1338.0	1347.9
150°	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8	1307.7	1315.8
152.5°	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7	1283.6	1289.8
155°	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6	1254.8	1258.8
157.5°	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9	1230.0	1232.8
160°	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7	1217.6	1219.2
162.5°	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9	1205.9	1207.5
165°	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0	1188.0	1189.7
167.5°	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4	1180.2	1180.9
170°	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4	1180.2	1180.2
172.5°	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3	1174.0	1173.5
175°	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5	1165.4	1165.4
177.5°	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0	1164.0	1163.3
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3426.5	3416.9	3426.5	3420.1	3423.3	3413.8	3385.4	3375.8	3385.4	3394.8	3394.8
5°	3467.6	3461.2	3467.6	3467.6	3464.4	3458.0	3426.5	3420.1	3426.5	3429.6	3423.3
7.5°	3480.2	3470.7	3480.2	3473.8	3473.8	3467.6	3435.9	3429.6	3432.7	3442.3	3432.7
10°	3480.2	3470.7	3480.2	3477.0	3473.8	3467.6	3435.9	3423.3	3423.3	3432.7	3423.3
12.5°	3464.4	3458.0	3464.4	3458.0	3458.0	3451.7	3420.1	3407.5	3410.6	3413.8	3401.2
15°	3439.1	3429.6	3439.1	3432.7	3435.9	3426.5	3391.6	3379.0	3379.0	3385.4	3363.2
17.5°	3401.2	3388.5	3401.2	3398.0	3394.8	3388.5	3356.9	3344.3	3341.1	3344.3	3328.4
20°	3356.9	3347.4	3356.9	3353.7	3353.7	3341.1	3309.4	3293.7	3293.7	3293.7	3277.9
22.5°	3287.3	3277.9	3287.3	3293.7	3293.7	3290.5	3262.1	3240.0	3233.6	3233.6	3214.6
25°	3208.3	3198.9	3208.3	3208.3	3205.2	3208.3	3198.9	3186.2	3176.7	3167.2	3148.2
27.5°	3132.4	3126.1	3132.4	3126.1	3132.4	3123.0	3119.8	3116.7	3104.1	3094.5	3069.2
30°	3056.6	3050.3	3056.6	3050.3	3044.0	3037.6	3021.9	3015.5	3028.1	3021.9	2980.8
32.5°	2961.8	2955.5	2961.8	2961.8	2955.5	2955.5	2930.1	2920.7	2923.9	2942.8	2904.9
35°	2863.8	2854.3	2863.8	2860.7	2863.8	2854.3	2838.5	2835.3	2822.7	2844.8	2816.4
37.5°	2750.0	2740.5	2750.0	2750.0	2750.0	2756.3	2743.7	2734.2	2715.2	2743.7	2721.6
40°	2633.0	2620.4	2633.0	2629.9	2633.0	2639.4	2633.0	2626.7	2607.7	2629.9	2610.9
42.5°	2500.3	2497.1	2500.3	2503.4	2503.4	2516.1	2525.5	2512.9	2506.6	2490.8	2503.4
45°	2358.1	2351.7	2358.1	2364.3	2367.5	2373.9	2402.3	2402.3	2392.8	2367.5	2386.5
47.5°	2206.3	2190.5	2206.3	2225.3	2225.3	2234.8	2263.2	2285.3	2269.5	2238.0	2247.4
50°	2045.1	2048.3	2045.1	2057.8	2057.8	2092.5	2114.7	2136.8	2152.6	2114.7	2070.4
52.5°	1887.1	1883.9	1887.1	1896.6	1909.2	1925.0	1962.9	1985.0	2010.3	1988.2	1918.7
55°	1729.0	1735.4	1729.0	1732.2	1738.5	1748.0	1804.9	1827.0	1874.4	1846.0	1773.3
57.5°	1571.0	1561.5	1571.0	1577.3	1580.4	1589.9	1637.4	1678.5	1706.9	1710.1	1621.5
60°	1387.6	1375.0	1387.6	1416.1	1422.4	1428.7	1473.0	1510.9	1536.2	1545.7	1454.1
62.5°	1226.4	1204.3	1226.4	1245.4	1258.0	1273.9	1305.5	1362.3	1384.5	1387.6	1258.0
65°	1055.7	1046.3	1055.7	1093.7	1096.8	1115.8	1150.6	1191.7	1239.0	1232.8	1046.3
67.5°	900.8	900.8	900.8	926.2	945.1	954.6	998.8	1017.8	1077.8	1084.2	872.4
70°	758.6	755.4	758.6	777.6	790.3	812.4	853.5	875.5	923.0	938.8	708.1
72.5°	622.7	619.5	622.7	638.5	651.2	670.1	704.9	730.2	771.3	790.3	550.0
75°	502.6	496.2	502.6	515.2	512.1	537.3	565.8	591.1	629.0	641.7	407.8
77.5°	385.6	385.6	385.6	398.3	398.3	423.6	436.2	467.8	490.0	508.9	300.3
80°	287.7	284.5	287.7	290.8	290.8	303.5	325.6	347.7	366.7	366.7	205.5
82.5°	202.3	196.0	202.3	202.3	202.3	208.7	221.3	227.6	240.2	249.8	129.6
85°	126.5	126.5	126.5	129.6	126.5	132.7	135.9	142.2	142.2	135.9	79.0
87.5°	82.2	79.0	82.2	79.0	79.0	75.8	75.8	75.8	72.7	69.6	44.3
90°	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7	34.2	21.8
92.5°	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0	210.8	150.0
95°	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9	518.7	292.2
97.5°	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6	698.8	320.9
100°	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4	764.3	345.0
102.5°	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3	794.3	369.0
105°	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7	816.6	404.8
107.5°	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9	820.8	457.7
110°	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0	814.5	487.2





TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0	814.8	522.9
115°	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0	822.3	576.6
117.5°	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2	837.6	628.6
120°	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9	850.0	658.8
122.5°	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9	867.9	694.6
125°	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0	892.0	740.5
127.5°	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2	916.1	784.7
130°	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9	933.6	814.3
132.5°	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0	947.9	838.4
135°	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0	963.5	866.4
137.5°	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7	986.8	902.1
140°	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8	1001.0	926.2
142.5°	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7	1012.9	944.0
145°	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8	1028.5	971.3
147.5°	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4	1051.3	1005.5
150°	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3	1063.2	1023.3
152.5°	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9	1070.9	1035.0
155°	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6	1088.0	1060.6
157.5°	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3	1105.1	1086.2
160°	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9	1113.0	1097.9
162.5°	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7	1121.2	1110.3
165°	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7	1133.1	1128.2
167.5°	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9	1142.4	1138.3
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5	1150.2	1149.9
172.5°	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3	1155.4	1157.7
177.5°	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5	1155.9	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3388.5	3369.5	3369.5	3337.9	3325.3	3315.8	3300.0	3252.6	3240.0	3227.3	3246.3
5°	3416.9	3382.2	3356.9	3300.0	3252.6	3233.6	3173.5	3059.8	2983.9	2927.0	2895.4
7.5°	3423.3	3379.0	3331.6	3243.1	3129.3	3078.7	2895.4	2686.7	2629.9	2579.3	2547.7
10°	3416.9	3366.4	3300.0	3167.2	2898.6	2810.0	2626.7	2490.8	2456.0	2446.5	2456.0
12.5°	3394.8	3347.4	3255.7	3034.5	2658.4	2598.3	2490.8	2411.8	2405.4	2421.3	2506.6
15°	3356.9	3312.6	3205.2	2857.5	2525.5	2481.4	2405.4	2377.0	2411.8	2522.5	2778.5
17.5°	3319.0	3268.3	3135.6	2683.7	2424.4	2392.8	2339.1	2396.0	2591.9	2740.5	2825.8
20°	3268.3	3208.3	3056.6	2557.2	2351.7	2323.2	2298.0	2554.0	2702.6	2756.3	2803.8
22.5°	3208.3	3145.2	2949.1	2468.7	2275.9	2253.7	2269.5	2642.6	2702.6	2740.5	2781.6
25°	3129.3	3075.6	2822.7	2399.2	2215.8	2190.5	2250.6	2633.0	2667.8	2677.3	2759.5
27.5°	3056.6	2987.0	2689.9	2335.9	2143.1	2133.6	2266.4	2591.9	2617.3	2626.7	2715.2
30°	2968.1	2863.8	2541.4	2269.5	2067.2	2064.0	2269.5	2541.4	2535.1	2560.4	2648.8
32.5°	2876.4	2680.5	2373.9	2187.3	1994.6	1991.4	2247.4	2465.5	2459.2	2494.0	2560.4
35°	2791.1	2538.2	2146.2	2092.5	1902.8	1906.0	2193.7	2377.0	2380.2	2411.8	2452.9
37.5°	2702.6	2415.0	1896.6	1988.2	1814.4	1814.4	2120.9	2294.8	2288.5	2298.0	2354.9
40°	2598.3	2222.1	1675.3	1852.3	1732.2	1722.7	2032.5	2206.3	2184.2	2181.1	2260.1
42.5°	2487.6	2010.3	1510.9	1672.1	1637.4	1624.7	1925.0	2098.9	2057.8	2067.2	2168.4
45°	2367.5	1953.5	1384.5	1413.0	1539.3	1529.9	1808.0	1975.6	1947.1	1972.4	2076.7
47.5°	2247.4	1839.6	1343.4	1172.7	1435.1	1431.9	1678.5	1855.5	1839.6	1864.9	1975.6
50°	2083.0	1713.2	1340.2	1005.2	1318.1	1330.8	1523.5	1738.5	1738.5	1760.6	1877.6
52.5°	1871.3	1558.3	1216.9	910.4	1182.2	1220.1	1387.6	1637.4	1643.7	1665.8	1770.1
55°	1678.5	1397.2	1128.5	837.6	1021.0	1103.1	1254.9	1533.1	1545.7	1567.8	1662.6
57.5°	1501.4	1163.2	1109.5	752.3	872.4	951.5	1137.9	1431.9	1438.2	1457.2	1548.9
60°	1311.8	840.8	1017.8	660.6	742.8	802.9	1030.5	1311.8	1333.9	1346.5	1425.6
62.5°	1096.8	610.1	923.0	597.4	679.6	692.3	941.9	1197.9	1226.4	1236.0	1283.3
65°	780.7	512.1	783.9	543.7	613.2	616.3	847.1	1081.0	1106.3	1122.1	1156.9
67.5°	527.9	417.2	597.4	493.1	562.6	565.8	755.4	945.1	979.9	992.6	1014.7
70°	366.7	278.1	442.5	439.4	505.8	512.1	657.4	821.8	853.5	862.9	875.5
72.5°	268.7	224.4	366.7	395.1	445.7	452.1	556.3	682.8	714.3	723.8	730.2
75°	205.5	237.0	297.1	344.6	379.3	382.5	455.1	556.3	578.4	584.8	588.0
77.5°	164.4	221.3	218.1	278.1	309.8	303.5	357.2	429.9	448.9	448.9	448.9
80°	123.3	173.8	164.4	199.1	227.6	221.3	256.0	306.6	312.9	319.2	316.1
82.5°	91.6	110.6	110.6	126.5	151.7	145.4	170.7	199.1	199.1	199.1	205.5
85°	56.9	63.2	50.5	66.4	85.4	82.2	94.8	107.5	110.6	110.6	104.3
87.5°	34.7	28.5	15.8	25.3	37.9	37.9	44.3	47.4	44.3	44.3	44.3
90°	20.2	14.0	7.8	14.0	20.2	21.8	34.2	50.7	59.0	52.5	39.3
92.5°	136.8	84.0	31.1	84.0	136.8	150.0	210.8	292.0	332.5	291.4	209.3
95°	268.0	171.3	74.6	171.3	268.0	292.2	518.7	820.9	972.0	867.4	658.1
97.5°	299.6	214.3	129.0	214.3	299.6	320.9	698.8	1202.6	1454.5	1388.4	1256.1
100°	325.7	248.3	170.9	248.3	325.7	345.0	764.3	1323.4	1602.9	1607.8	1617.4
102.5°	351.0	278.8	206.7	278.8	351.0	369.0	794.3	1361.3	1644.9	1729.1	1897.7
105°	389.5	328.4	267.3	328.4	389.5	404.8	816.6	1365.7	1640.2	1829.1	2206.9
107.5°	443.4	386.4	329.4	386.4	443.4	457.7	820.8	1304.9	1547.0	1810.5	2337.4
110°	474.3	422.8	371.4	422.8	474.3	487.2	814.5	1251.0	1469.3	1763.9	2352.9



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	510.7	461.6	412.5	461.6	510.7	522.9	814.8	1204.0	1398.6	1700.1	2303.0
115°	565.3	520.0	474.8	520.0	565.3	576.6	822.3	1150.0	1313.9	1604.3	2185.2
117.5°	618.3	577.2	536.1	577.2	618.3	628.6	837.6	1116.2	1255.6	1517.7	2041.9
120°	649.2	610.6	571.9	610.6	649.2	658.8	850.0	1104.9	1232.3	1471.8	1950.8
122.5°	684.9	645.9	606.8	645.9	684.9	694.6	867.9	1098.9	1214.4	1430.0	1861.4
125°	731.6	696.0	660.4	696.0	731.6	740.5	892.0	1094.0	1195.0	1378.2	1744.6
127.5°	775.8	739.8	704.0	739.8	775.8	784.7	916.1	1091.2	1178.7	1336.0	1650.6
130°	804.5	765.9	727.2	765.9	804.5	814.3	933.6	1092.9	1172.5	1312.5	1592.6
132.5°	828.6	790.0	751.3	790.0	828.6	838.4	947.9	1094.0	1167.0	1292.4	1543.1
135°	857.6	822.3	787.1	822.3	857.6	866.4	963.5	1093.0	1157.7	1262.7	1472.6
137.5°	893.4	858.4	823.6	858.4	893.4	902.1	986.8	1099.7	1156.1	1244.8	1422.4
140°	918.1	886.0	853.9	886.0	918.1	926.2	1001.0	1100.8	1150.7	1227.4	1380.7
142.5°	936.6	906.9	877.2	906.9	936.6	944.0	1012.9	1104.7	1150.7	1218.0	1352.7
145°	964.8	938.9	913.0	938.9	964.8	971.3	1028.5	1104.8	1142.9	1198.0	1308.2
147.5°	999.1	973.9	948.7	973.9	999.1	1005.5	1051.3	1112.4	1142.9	1186.3	1272.9
150°	1017.6	994.8	972.0	994.8	1017.6	1023.3	1063.2	1116.3	1142.9	1179.5	1252.8
152.5°	1030.7	1013.4	996.1	1013.4	1030.7	1035.0	1070.9	1118.9	1142.9	1174.2	1236.7
155°	1057.4	1044.6	1031.8	1044.6	1057.4	1060.6	1088.0	1124.6	1142.9	1167.8	1217.6
157.5°	1083.2	1070.6	1058.2	1070.6	1083.2	1086.2	1105.1	1130.3	1142.9	1162.3	1200.9
160°	1095.5	1085.9	1076.2	1085.9	1095.5	1097.9	1113.0	1132.9	1142.9	1159.6	1192.7
162.5°	1108.6	1101.3	1094.0	1101.3	1108.6	1110.3	1121.2	1135.7	1142.9	1156.9	1184.9
165°	1126.5	1120.0	1113.4	1120.0	1126.5	1128.2	1133.1	1139.7	1142.9	1152.9	1173.0
167.5°	1137.5	1134.3	1131.3	1134.3	1137.5	1138.3	1142.4	1147.9	1150.7	1157.2	1170.4
170°	1149.2	1146.0	1142.9	1146.0	1149.2	1149.9	1150.2	1150.5	1150.7	1157.2	1170.4
172.5°	1150.5	1149.8	1149.2	1149.8	1150.5	1150.7	1150.7	1150.7	1150.7	1155.9	1166.3
175°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.4	1152.3	1150.7	1154.0	1160.5
177.5°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1155.9	1153.5	1152.3	1154.9	1160.0
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935408  
 CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3224.2	3214.6	3227.3	3192.5	3227.3	3214.6	3224.2	3246.3	3227.3	3240.0	3252.6
5°	2829.0	2813.2	2762.7	2721.6	2762.7	2813.2	2829.0	2895.4	2927.0	2983.9	3059.8
7.5°	2528.7	2516.1	2503.4	2478.2	2503.4	2516.1	2528.7	2547.7	2579.3	2629.9	2686.7
10°	2462.4	2465.5	2484.4	2481.4	2484.4	2465.5	2462.4	2456.0	2446.5	2456.0	2490.8
12.5°	2633.0	2661.5	2765.8	2759.5	2765.8	2661.5	2633.0	2506.6	2421.3	2405.4	2411.8
15°	2829.0	2838.5	2860.7	2863.8	2860.7	2838.5	2829.0	2778.5	2522.5	2411.8	2377.0
17.5°	2848.0	2851.1	2866.9	2866.9	2866.9	2851.1	2848.0	2825.8	2740.5	2591.9	2396.0
20°	2832.2	2838.5	2870.1	2876.4	2870.1	2838.5	2832.2	2803.8	2756.3	2702.6	2554.0
22.5°	2825.8	2838.5	2863.8	2860.7	2863.8	2838.5	2825.8	2781.6	2740.5	2702.6	2642.6
25°	2794.2	2794.2	2797.4	2800.6	2797.4	2794.2	2794.2	2759.5	2677.3	2667.8	2633.0
27.5°	2727.8	2734.2	2753.2	2750.0	2753.2	2734.2	2727.8	2715.2	2626.7	2617.3	2591.9
30°	2667.8	2661.5	2645.6	2633.0	2645.6	2661.5	2667.8	2648.8	2560.4	2535.1	2541.4
32.5°	2566.6	2550.8	2535.1	2525.5	2535.1	2550.8	2566.6	2560.4	2494.0	2459.2	2465.5
35°	2446.5	2449.7	2446.5	2437.1	2446.5	2449.7	2446.5	2452.9	2411.8	2380.2	2377.0
37.5°	2361.2	2367.5	2364.3	2351.7	2364.3	2367.5	2361.2	2354.9	2298.0	2288.5	2294.8
40°	2272.7	2275.9	2272.7	2263.2	2272.7	2275.9	2272.7	2260.1	2181.1	2184.2	2206.3
42.5°	2187.3	2184.2	2174.7	2168.4	2174.7	2184.2	2187.3	2168.4	2067.2	2057.8	2098.9
45°	2089.4	2092.5	2073.6	2064.0	2073.6	2092.5	2089.4	2076.7	1972.4	1947.1	1975.6
47.5°	1991.4	1991.4	1975.6	1966.1	1975.6	1991.4	1991.4	1975.6	1864.9	1839.6	1855.5
50°	1887.1	1883.9	1861.7	1858.7	1861.7	1883.9	1887.1	1877.6	1760.6	1738.5	1738.5
52.5°	1766.9	1766.9	1770.1	1776.5	1770.1	1766.9	1766.9	1770.1	1665.8	1643.7	1637.4
55°	1662.6	1665.8	1687.9	1694.3	1687.9	1665.8	1662.6	1662.6	1567.8	1545.7	1533.1
57.5°	1555.2	1555.2	1571.0	1571.0	1571.0	1555.2	1555.2	1548.9	1457.2	1438.2	1431.9
60°	1431.9	1438.2	1450.9	1447.7	1450.9	1438.2	1431.9	1425.6	1346.5	1333.9	1311.8
62.5°	1302.3	1308.6	1311.8	1305.5	1311.8	1308.6	1302.3	1283.3	1236.0	1226.4	1197.9
65°	1166.4	1172.7	1175.9	1169.6	1175.9	1172.7	1166.4	1156.9	1122.1	1106.3	1081.0
67.5°	1027.3	1024.1	1021.0	1033.7	1021.0	1024.1	1027.3	1014.7	992.6	979.9	945.1
70°	885.1	885.1	881.9	888.2	881.9	885.1	885.1	875.5	862.9	853.5	821.8
72.5°	733.4	730.2	742.8	733.4	742.8	730.2	733.4	730.2	723.8	714.3	682.8
75°	584.8	591.1	584.8	594.2	584.8	591.1	584.8	588.0	584.8	578.4	556.3
77.5°	445.7	452.1	445.7	445.7	445.7	452.1	445.7	448.9	448.9	448.9	429.9
80°	316.1	312.9	312.9	309.8	312.9	312.9	316.1	316.1	319.2	312.9	306.6
82.5°	202.3	199.1	199.1	205.5	199.1	199.1	202.3	205.5	199.1	199.1	199.1
85°	110.6	113.8	107.5	107.5	107.5	113.8	110.6	104.3	110.6	110.6	107.5
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.4
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.3	52.5	59.0	50.7
92.5°	147.7	141.8	118.3	94.8	118.3	141.8	147.7	209.3	291.4	332.5	292.0
95°	501.2	483.4	412.3	341.1	412.3	483.4	501.2	658.1	867.4	972.0	820.9
97.5°	1156.9	1123.1	987.7	852.4	987.7	1123.1	1156.9	1256.1	1388.4	1454.5	1202.6
100°	1624.7	1584.3	1423.1	1261.8	1423.1	1584.3	1624.7	1617.4	1607.8	1602.9	1323.4
102.5°	2024.1	1989.5	1851.4	1713.2	1851.4	1989.5	2024.1	1897.7	1729.1	1644.9	1361.3
105°	2490.2	2471.6	2397.4	2323.1	2397.4	2471.6	2490.2	2206.9	1829.1	1640.2	1365.7
107.5°	2732.6	2737.1	2755.1	2773.0	2755.1	2737.1	2732.6	2337.4	1810.5	1547.0	1304.9
110°	2794.8	2814.1	2891.5	2968.8	2891.5	2814.1	2794.8	2352.9	1763.9	1469.3	1251.0



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2755.2	2784.9	2903.6	3022.4	2903.6	2784.9	2755.2	2303.0	1700.1	1398.6	1204.0
115°	2620.8	2662.0	2826.7	2991.4	2826.7	2662.0	2620.8	2185.2	1604.3	1313.9	1150.0
117.5°	2435.0	2480.7	2663.4	2846.1	2663.4	2480.7	2435.0	2041.9	1517.7	1255.6	1116.2
120°	2310.0	2354.3	2531.9	2709.3	2531.9	2354.3	2310.0	1950.8	1471.8	1232.3	1104.9
122.5°	2184.9	2228.7	2403.7	2578.8	2403.7	2228.7	2184.9	1861.4	1430.0	1214.4	1098.9
125°	2019.4	2059.8	2221.0	2382.3	2221.0	2059.8	2019.4	1744.6	1378.2	1195.0	1094.0
127.5°	1886.5	1920.5	2056.6	2192.7	2056.6	1920.5	1886.5	1650.6	1336.0	1178.7	1091.2
130°	1802.6	1834.0	1959.7	2085.4	1959.7	1834.0	1802.6	1592.6	1312.5	1172.5	1092.9
132.5°	1731.1	1759.2	1871.8	1984.4	1871.8	1759.2	1731.1	1543.1	1292.4	1167.0	1094.0
135°	1630.1	1654.4	1751.4	1848.5	1751.4	1654.4	1630.1	1472.6	1262.7	1157.7	1093.0
137.5°	1555.5	1575.4	1654.8	1734.3	1654.8	1575.4	1555.5	1422.4	1244.8	1156.1	1099.7
140°	1495.7	1514.3	1588.5	1662.7	1588.5	1514.3	1495.7	1380.7	1227.4	1150.7	1100.8
142.5°	1453.8	1469.7	1533.6	1597.5	1533.6	1469.7	1453.8	1352.7	1218.0	1150.7	1104.7
145°	1390.8	1402.9	1451.2	1499.5	1451.2	1402.9	1390.8	1308.2	1198.0	1142.9	1104.8
147.5°	1338.0	1347.9	1388.0	1428.1	1388.0	1347.9	1338.0	1272.9	1186.3	1142.9	1112.4
150°	1307.7	1315.8	1348.2	1380.7	1348.2	1315.8	1307.7	1252.8	1179.5	1142.9	1116.3
152.5°	1283.6	1289.8	1314.2	1338.7	1314.2	1289.8	1283.6	1236.7	1174.2	1142.9	1118.9
155°	1254.8	1258.8	1275.1	1291.3	1275.1	1258.8	1254.8	1217.6	1167.8	1142.9	1124.6
157.5°	1230.0	1232.8	1244.2	1255.6	1244.2	1232.8	1230.0	1200.9	1162.3	1142.9	1130.3
160°	1217.6	1219.2	1225.8	1232.3	1225.8	1219.2	1217.6	1192.7	1159.6	1142.9	1132.9
162.5°	1205.9	1207.5	1213.6	1219.9	1213.6	1207.5	1205.9	1184.9	1156.9	1142.9	1135.7
165°	1188.0	1189.7	1196.3	1202.8	1196.3	1189.7	1188.0	1173.0	1152.9	1142.9	1139.7
167.5°	1180.2	1180.9	1183.7	1186.5	1183.7	1180.9	1180.2	1170.4	1157.2	1150.7	1147.9
170°	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1180.2	1170.4	1157.2	1150.7	1150.5
172.5°	1174.0	1173.5	1171.0	1168.6	1171.0	1173.5	1174.0	1166.3	1155.9	1150.7	1150.7
175°	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1165.4	1160.5	1154.0	1150.7	1152.3
177.5°	1164.0	1163.3	1160.5	1157.7	1160.5	1163.3	1164.0	1160.0	1154.9	1152.3	1153.5
180°	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3300.0	3315.8	3325.3	3337.9	3369.5
5°	3173.5	3233.6	3252.6	3300.0	3356.9
7.5°	2895.4	3078.7	3129.3	3243.1	3331.6
10°	2626.7	2810.0	2898.6	3167.2	3300.0
12.5°	2490.8	2598.3	2658.4	3034.5	3255.7
15°	2405.4	2481.4	2525.5	2857.5	3205.2
17.5°	2339.1	2392.8	2424.4	2683.7	3135.6
20°	2298.0	2323.2	2351.7	2557.2	3056.6
22.5°	2269.5	2253.7	2275.9	2468.7	2949.1
25°	2250.6	2190.5	2215.8	2399.2	2822.7
27.5°	2266.4	2133.6	2143.1	2335.9	2689.9
30°	2269.5	2064.0	2067.2	2269.5	2541.4
32.5°	2247.4	1991.4	1994.6	2187.3	2373.9
35°	2193.7	1906.0	1902.8	2092.5	2146.2
37.5°	2120.9	1814.4	1814.4	1988.2	1896.6
40°	2032.5	1722.7	1732.2	1852.3	1675.3
42.5°	1925.0	1624.7	1637.4	1672.1	1510.9
45°	1808.0	1529.9	1539.3	1413.0	1384.5
47.5°	1678.5	1431.9	1435.1	1172.7	1343.4
50°	1523.5	1330.8	1318.1	1005.2	1340.2
52.5°	1387.6	1220.1	1182.2	910.4	1216.9
55°	1254.9	1103.1	1021.0	837.6	1128.5
57.5°	1137.9	951.5	872.4	752.3	1109.5
60°	1030.5	802.9	742.8	660.6	1017.8
62.5°	941.9	692.3	679.6	597.4	923.0
65°	847.1	616.3	613.2	543.7	783.9
67.5°	755.4	565.8	562.6	493.1	597.4
70°	657.4	512.1	505.8	439.4	442.5
72.5°	556.3	452.1	445.7	395.1	366.7
75°	455.1	382.5	379.3	344.6	297.1
77.5°	357.2	303.5	309.8	278.1	218.1
80°	256.0	221.3	227.6	199.1	164.4
82.5°	170.7	145.4	151.7	126.5	110.6
85°	94.8	82.2	85.4	66.4	50.5
87.5°	44.3	37.9	37.9	25.3	15.8
90°	34.2	21.8	20.2	14.0	7.8
92.5°	210.8	150.0	136.8	84.0	31.1
95°	518.7	292.2	268.0	171.3	74.6
97.5°	698.8	320.9	299.6	214.3	129.0
100°	764.3	345.0	325.7	248.3	170.9
102.5°	794.3	369.0	351.0	278.8	206.7
105°	816.6	404.8	389.5	328.4	267.3
107.5°	820.8	457.7	443.4	386.4	329.4
110°	814.5	487.2	474.3	422.8	371.4



TEST NUMBER: P935408

CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	814.8	522.9	510.7	461.6	412.5
115°	822.3	576.6	565.3	520.0	474.8
117.5°	837.6	628.6	618.3	577.2	536.1
120°	850.0	658.8	649.2	610.6	571.9
122.5°	867.9	694.6	684.9	645.9	606.8
125°	892.0	740.5	731.6	696.0	660.4
127.5°	916.1	784.7	775.8	739.8	704.0
130°	933.6	814.3	804.5	765.9	727.2
132.5°	947.9	838.4	828.6	790.0	751.3
135°	963.5	866.4	857.6	822.3	787.1
137.5°	986.8	902.1	893.4	858.4	823.6
140°	1001.0	926.2	918.1	886.0	853.9
142.5°	1012.9	944.0	936.6	906.9	877.2
145°	1028.5	971.3	964.8	938.9	913.0
147.5°	1051.3	1005.5	999.1	973.9	948.7
150°	1063.2	1023.3	1017.6	994.8	972.0
152.5°	1070.9	1035.0	1030.7	1013.4	996.1
155°	1088.0	1060.6	1057.4	1044.6	1031.8
157.5°	1105.1	1086.2	1083.2	1070.6	1058.2
160°	1113.0	1097.9	1095.5	1085.9	1076.2
162.5°	1121.2	1110.3	1108.6	1101.3	1094.0
165°	1133.1	1128.2	1126.5	1120.0	1113.4
167.5°	1142.4	1138.3	1137.5	1134.3	1131.3
170°	1150.2	1149.9	1149.2	1146.0	1142.9
172.5°	1150.7	1150.7	1150.5	1149.8	1149.2
175°	1155.4	1157.7	1157.7	1157.7	1157.7
177.5°	1155.9	1157.7	1157.7	1157.7	1157.7
180°	1157.7	1157.7	1157.7	1157.7	1157.7



TEST NUMBER: P935408  
 CATALOG NUMBER: SQ4-FA-100U-125D-B50-1D-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	14.66	15.55	15.58	16.49	17.71	17.49	18.39	18.42	19.33	20.55
	3H	15.14	15.94	16.07	16.89	18.13	18.84	19.65	19.78	20.60	21.84
	4H	15.33	16.09	16.28	17.04	18.30	19.29	20.05	20.24	21.01	22.26
	6H	15.45	16.15	16.41	17.11	18.38	19.58	20.28	20.54	21.24	22.51
	8H	15.45	16.12	16.42	17.10	18.36	19.66	20.32	20.63	21.30	22.56
	12H	15.42	16.06	16.40	17.03	18.32	19.70	20.33	20.67	21.30	22.59
4H	2H	15.69	16.45	16.65	17.41	18.66	17.91	18.67	18.86	19.62	20.87
	3H	16.73	17.36	17.69	18.34	19.61	19.42	20.05	20.39	21.04	22.30
	4H	17.00	17.58	17.98	18.56	19.85	19.95	20.53	20.93	21.51	22.80
	6H	17.13	17.63	18.12	18.63	19.92	20.32	20.82	21.31	21.82	23.11
	8H	17.14	17.60	18.13	18.60	19.90	20.43	20.89	21.42	21.89	23.19
	12H	17.10	17.52	18.11	18.54	19.85	20.49	20.91	21.50	21.92	23.23
8H	4H	17.46	17.92	18.45	18.92	20.23	20.08	20.54	21.07	21.54	22.84
	6H	17.72	18.11	18.74	19.15	20.45	20.52	20.90	21.53	21.94	23.24
	8H	17.77	18.10	18.79	19.13	20.45	20.67	21.01	21.69	22.04	23.35
	12H	17.75	18.05	18.78	19.07	20.43	20.77	21.07	21.80	22.09	23.45
12H	4H	17.47	17.89	18.48	18.90	20.21	20.04	20.46	21.05	21.48	22.78
	6H	17.78	18.12	18.81	19.15	20.47	20.51	20.85	21.54	21.88	23.20
	8H	17.85	18.15	18.88	19.17	20.54	20.68	20.98	21.71	22.00	23.36