**Table 4. Comparison of performance between FIQL and CQL in typical grid map.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Path Length  VS CQL | Time  VS CQL | Success Rate  VS CQL |
| Map(1) | 5.39% | 16.45% | 6.67% |
| Map(2) | 9.92% | 17.53% | 6.66% |
| Map(3) | 9.29% | 18.03% | 6.67% |
| Map(4) | 13.17% | 16.03% | 6.70% |
| Map(5) | 9.41% | 15.16% | 6.67% |
| Map(6) | 9.51% | 16.65% | 3.33% |