**Table 5. Comparison of performance between FIQL and CQL in improved grid map.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Path Length  VS CQL | Time  VS CQL | Success Rate  VS CQL |
| Map(1) | 11.30% | 19.17% | 6.66% |
| Map(2) | 8.91% | 13.56% | 6.67% |
| Map(3) | 2.71% | 17.95% | 6.67% |
| Map(4) | 11.97% | 9.59% | 6.66% |
| Map(5) | 6.39% | 8.04% | 6.66% |
| Map(6) | 8.97% | 8.43% | 6.66% |