**Confusion matrix** for the proposed deep architecture is obtained as follows:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 |
| 0 | **96.36** | 0 | 0 | 0 | 3.63 | 0 | 0 | 0 |
| 45 | 0.90 | **95.45** | 1.81 | 0 | 0.90 | 0.90 | 0 | 0 |
| 90 | 0.90 | 0 | **97.27** | 1.81 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | **100.0** | 0 | 0 | 0 | 0 |
| 180 | 2.72 | 4.54 | 0.90 | 0 | **88.18** | 2.72 | 0.90 | 0 |
| 225 | 0 | 0 | 4.54 | 0 | 0 | **95.45** | 0 | 0 |
| 270 | 0 | 0 | 1.81 | 0.90 | 0 | 0 | **95.45** | 1.81 |
| 315 | 0 | 0 | 0 | 0 | 0 | 0 | 1.81 | **98.18** |