| Pipeline | RANSAC | ${f MegaDepth}$ | | | | | | | | | | ScanNet | | | | | | | | | | | |
|-----------|----------|-----------------|-----------|--------|----------------|-----------------|-----------------|-----------------------------------|----------------|-----------------|-----------------|-----------------------------------|----------|-----------|--------|----------------|-----------------|---------------|-----------------------------------|----------------|-----------------|------------------------|-----------------------------------|
| | th. (px) | Filtered | Precision | Recall | $AUC_{@5}^{F}$ | $AUC_{@10}^{F}$ | $AUC_{@20}^{F}$ | $\mathrm{AUC}^F_{\measuredangle}$ | $AUC_{@5}^{E}$ | $AUC_{@10}^{E}$ | $AUC_{@20}^{E}$ | $\mathrm{AUC}^E_{\measuredangle}$ | Filtered | Precision | Recall | $AUC_{@5}^{F}$ | $AUC_{@10}^{F}$ | $AUC_{@20}^F$ | $\mathrm{AUC}^F_{\measuredangle}$ | $AUC_{@5}^{E}$ | $AUC_{@10}^{E}$ | $\mathrm{AUC}^E_{@20}$ | $\mathrm{AUC}^E_{\measuredangle}$ |
| SIFT+NNR | - | 0.00 | 53.52 | 100.00 | 0.06 | 0.12 | 0.73 | 0.30 | 45.63 | 62.56 | 76.23 | 61.47 | 0.00 | 25.21 | 99.12 | 0.00 | 0.05 | 0.39 | 0.15 | 9.10 | 19.78 | 32.39 | 20.42 |
| +DegenSAC | 0.50 | 61.46 | 95.06 | 67.95 | 42.94 | 56.47 | 68.27 | 55.89 | 46.30 | 63.67 | 77.11 | 62.36 | 84.59 | 55.58 | 32.69 | 5.70 | 13.04 | 22.23 | 13.66 | 9.38 | 19.75 | 31.48 | 20.21 |
| + " | 0.75 | 55.26 | 94.08 | 78.47 | 41.26 | 54.42 | 66.17 | 53.95 | 48.22 | 65.56 | 78.69 | 64.16 | 81.05 | 55.67 | 40.38 | 5.98 | 13.86 | 23.72 | 14.52 | 9.83 | 20.63 | 33.26 | 21.24 |
| + " | 1.00 | 51.74 | 93.09 | 83.94 | 38.49 | 51.23 | 62.87 | 50.86 | 47.81 | 65.04 | 78.57 | 63.81 | 78.50 | 55.65 | 46.12 | 6.26 | 14.37 | 24.24 | 14.96 | 10.44 | 21.97 | 34.47 | 22.29 |
| + " | 3.00 | 43.30 | 87.14 | 93.35 | 21.44 | 30.12 | 39.31 | 30.29 | 47.33 | 64.91 | 78.27 | 63.50 | 69.67 | 53.12 | 63.75 | 3.94 | 9.94 | 19.37 | 11.08 | 10.81 | 23.43 | 36.91 | 23.72 |
| + " | 5.00 | 40.69 | 83.86 | 94.55 | 12.40 | 18.51 | 26.22 | 19.05 | 46.86 | 64.66 | 78.47 | 63.33 | 65.79 | 50.55 | 69.53 | 2.20 | 6.60 | 14.81 | 7.87 | 11.51 | 24.12 | 37.49 | 24.37 |
| +MAGSAC | 0.50 | 60.90 | 94.53 | 68.20 | 35.79 | 48.79 | 60.95 | 48.51 | 44.71 | 62.39 | 76.29 | 61.13 | 84.97 | 55.28 | 31.60 | 5.86 | 13.86 | 24.21 | 14.64 | 9.92 | 20.87 | 33.47 | 21.42 |
| + " | 0.75 | 54.52 | 93.83 | 79.32 | 34.21 | 47.21 | 59.15 | 46.86 | 45.53 | 63.70 | 77.37 | 62.20 | 80.84 | 55.24 | 40.60 | 6.11 | 13.92 | 24.21 | 14.74 | 10.53 | 22.00 | 34.55 | 22.36 |
| + " | 1.00 | 51.10 | 93.20 | 85.09 | 31.59 | 44.59 | 56.67 | 44.29 | 45.04 | 63.53 | 77.20 | 61.92 | 78.15 | 55.30 | 46.62 | 5.69 | 13.72 | 23.87 | 14.43 | 10.63 | 22.12 | 34.86 | 22.54 |
| + " | 3.00 | 43.90 | 89.61 | 94.59 | 22.85 | 34.16 | 46.45 | 34.49 | 47.51 | 65.19 | 78.50 | 63.73 | 70.35 | 54.29 | 63.37 | 4.01 | 10.99 | 20.85 | 11.95 | 10.48 | 22.61 | 36.28 | 23.12 |
| + " | 5.00 | 41.48 | 86.66 | 96.03 | 18.95 | 28.55 | 39.29 | 28.93 | 46.90 | 64.99 | 78.64 | 63.51 | 66.66 | 52.47 | 69.37 | 3.70 | 10.06 | 19.40 | 11.05 | 11.38 | 23.80 | 37.53 | 24.24 |
| +PoseLib | 0.50 | 60.20 | 95.44 | 69.93 | 37.99 | 51.71 | 65.17 | 51.62 | 46.27 | 63.26 | 76.51 | 62.01 | 84.30 | 55.03 | 32.91 | 4.78 | 11.17 | 19.91 | 11.95 | 8.20 | 17.91 | 29.71 | 18.61 |
| + " | 0.75 | 54.18 | 94.86 | 80.57 | 37.20 | 51.39 | 65.02 | 51.21 | 46.15 | 63.89 | 77.22 | 62.42 | 80.80 | 55.39 | 40.69 | 5.27 | 12.29 | 21.86 | 13.14 | 9.23 | 20.01 | 32.68 | 20.64 |
| + " | 1.00 | 50.89 | 94.10 | 85.95 | 37.14 | 51.23 | 64.82 | 51.06 | 47.73 | 64.95 | 77.99 | 63.56 | 78.24 | 55.35 | 46.32 | 5.56 | 12.69 | 22.29 | 13.51 | 10.16 | 21.04 | 33.44 | 21.55 |
| + " | 3.00 | 43.12 | 88.69 | 95.20 | 27.24 | 38.55 | 49.69 | 38.50 | 48.39 | 65.76 | 79.16 | 64.44 | 69.25 | 53.76 | 65.04 | 4.92 | 12.13 | 22.83 | 13.29 | 11.78 | 23.89 | 37.14 | 24.27 |
| + " | 5.00 | 40.59 | 85.41 | 96.37 | 20.11 | 29.07 | 38.59 | 29.26 | 47.32 | 65.14 | 78.56 | 63.67 | 65.27 | 51.32 | 70.71 | 3.65 | 9.65 | 19.29 | 10.86 | 11.23 | 24.18 | 37.71 | 24.37 |