| L2<br>Size | L2<br>Asso<br>c | Look<br>ahea<br>d | Stride | Total<br>Cycle<br>s |   | IPC        | Main<br>Threa<br>d Hit |              | L2 Hit<br>Ratio |            | L2<br>Occu<br>panc<br>y<br>Ratio | Helpe<br>r<br>Threa<br>d Hit | r<br>Threa  | ndant | Redu<br>ndant<br>Cach<br>e |            | Late | Bad  | Ugly       |
|------------|-----------------|-------------------|--------|---------------------|---|------------|------------------------|--------------|-----------------|------------|----------------------------------|------------------------------|-------------|-------|----------------------------|------------|------|------|------------|
| 96 KB      | 8               | 320               | 5      | 39476<br>08491      |   | 0.597<br>0 | 17517<br>71            | 11817<br>268 | 0.124<br>0      | 34050<br>8 | 0.589<br>0                       | 81450<br>9                   | 63367<br>39 | 343   | 81416<br>6                 | 84771<br>7 | 316  | 1345 | 15618<br>2 |
| 96 KB      | 8               | 320               | 10     | 39468<br>18491      |   | 0.540<br>0 | 16635<br>75            | 11815<br>447 | 0.112<br>0      | 33647<br>6 | 0.586<br>0                       | 71889<br>9                   | 70482<br>27 | 358   | 71854<br>1                 | 85203<br>1 | 403  | 1396 | 15167<br>6 |
| 96 KB      | 8               | 320               | 20     | 39467<br>02491      |   | 0.505<br>0 |                        | 11814<br>802 | 0.105<br>0      | 33683<br>9 | 0.586<br>0                       | 65851<br>5                   | 74885<br>72 | 371   | 65814<br>4                 | 85656<br>6 | 415  | 1430 | 15048<br>3 |
| 96 KB      | 8               | 320               | 40     | 39473<br>83491      |   | 0.483<br>0 | 15728<br>93            | 11817<br>631 | 0.101<br>0      | 33092<br>9 | 0.587<br>0                       | 62462<br>3                   | 77501<br>12 | 476   | 62414<br>7                 | 86259<br>2 | 509  | 1309 | 14354<br>1 |
| 96 KB      | 8               | 320               | 80     | 39509<br>48491      |   | 0.471<br>0 | 15401<br>91            | 11831<br>889 | 0.098<br>0      | 32934<br>4 | 0.587<br>0                       | 60458<br>6                   | 79119<br>20 | 517   | 60406<br>9                 | 85425<br>1 | 553  | 1285 | 14142<br>2 |
| 96 KB      | 8               | 320               | 160    | 39545<br>89491      |   | 0.463<br>0 | 15149<br>51            | 11845<br>666 | 0.096<br>0      | 33332<br>1 | 0.587<br>0                       |                              | 80155<br>04 | 442   | 58915<br>2                 | 84357<br>6 | 489  | 1324 | 14390<br>4 |
| 96 KB      | 8               | 320               | 320    | 39578<br>34491      | 1 | 0.456<br>0 | 14934<br>79            | 11855<br>901 | 0.094<br>0      | 34078<br>3 | 0.589<br>0                       | _                            | 81161<br>05 | 1581  | 57264<br>8                 | 83816<br>9 | 496  | 1293 | 14855<br>7 |