| L2<br>Size | L2<br>Asso<br>c | L2<br>Repl | Look<br>ahea<br>d | Strid<br>e | Total<br>Cycl<br>es |            | IPC        | Main<br>Thre<br>ad<br>Hit | Main<br>Thre<br>ad<br>Miss | Hit<br>Rati | <b>Evict</b> | L2<br>Occ<br>upan<br>cy<br>Rati<br>o | er          | Help<br>er<br>Thre<br>ad<br>Miss | er<br>Thre<br>ad | er<br>Thre<br>ad | unda<br>nt<br>MSH | Red<br>unda<br>nt<br>Cach<br>e |             | Late         | Bad  | Ugly       |
|------------|-----------------|------------|-------------------|------------|---------------------|------------|------------|---------------------------|----------------------------|-------------|--------------|--------------------------------------|-------------|----------------------------------|------------------|------------------|-------------------|--------------------------------|-------------|--------------|------|------------|
| 96<br>KB   | 8               | LRU        | 0                 | 320        | 4160<br>0114<br>72  |            | 0.23<br>20 | 9729<br>590               |                            | 0.47<br>40  | 1083<br>5    | 0.56<br>10                           | 1780<br>207 | 9691<br>384                      | 0.75<br>9        | 0.84<br>5        | 1772<br>633       | 7574                           | 1679<br>8   | 9671<br>882  | 18   | 1015       |
| 96<br>KB   | 8               | LRU        | 5                 | 320        | 4115<br>7694<br>72  |            | 0.23<br>40 | 1096<br>2444              |                            | 0.46<br>70  | 7549<br>8    | 0.57<br>60                           | 2981<br>74  | 1101<br>5826                     | 0.85<br>6        | 0.96<br>5        | 2831<br>20        | 1505<br>4                      | 2178<br>50  | 1070<br>1929 | 424  | 2943<br>2  |
| 96<br>KB   | 8               | LRU        | 10                | 320        | 4064<br>3154<br>95  | 1.02<br>35 | 0.23<br>70 | 1054<br>6446              | 2263<br>268                | 0.45<br>20  | 2017<br>15   | 0.58<br>70                           | 2673<br>72  | 1086<br>0236                     | 0.82<br>3        |                  | 2495<br>87        | 1778<br>5                      | 4596<br>17  | 1004<br>1465 | 1544 | 9744<br>9  |
| 96<br>KB   | 8               | LRU        | 20                | 320        | 3965<br>4975<br>14  |            | 0.24<br>30 | 9676<br>810               | 3142<br>507                | 0.41<br>90  | 3887<br>43   | 0.60<br>50                           | 2202<br>22  | 1055<br>5995                     |                  | 0.89<br>3        | 1980<br>65        | 2215<br>7                      | 9096<br>84  | 8715<br>214  | 2746 | 1996<br>92 |
| 96<br>KB   | 8               | LRU        | 40                | 320        | 3788<br>9634<br>91  |            | 0.25<br>80 | 7720<br>991               | 5121<br>448                | 0.34<br>30  | 5160<br>53   | 0.65<br>00                           | 1519<br>62  | 9972<br>566                      | 0.59<br>9        | 0.75<br>5        | 1103<br>56        | 4160<br>6                      | 1689<br>706 | 5954<br>542  | 3729 | 2657<br>59 |
| 96<br>KB   | 8               | LRU        | 80                | 320        | 3683<br>1214<br>68  |            | 0.29<br>90 | 2703<br>261               | 1024<br>4350               |             | 5002<br>46   | 0.64<br>20                           | 1492<br>13  | 9350<br>594                      | 0.19<br>7        | 0.26<br>5        | 5186              | 1440<br>27                     | 2151<br>150 | 3616<br>96   |      | 2279<br>61 |
| 96<br>KB   | 8               | LRU        | 160               | 320        | 3877<br>4834<br>68  |            | 0.34<br>90 | 1636<br>561               | 1148<br>3746               |             | 4230<br>70   | 0.60<br>80                           | 3252<br>50  | 9248<br>921                      | 0.09<br>9        | 0.13<br>2        | 785               | 3244<br>65                     | 1259<br>174 | 620          | 1230 | 1841<br>41 |
| 96<br>KB   | 8               | LRU        | 320               | 320        | 3957<br>8344<br>91  |            | 0.45<br>60 | 1493<br>479               | 1185<br>5901               |             | 3407<br>83   | 0.58<br>90                           | 5742<br>29  | 8116<br>105                      | 0.06<br>6        | 0.09<br>7        | 1581              | 5726<br>48                     | 8381<br>69  | 496          | 1293 | 1485<br>57 |
| 96<br>KB   | 8               | LRU        | 640               | 320        | 4009<br>2534<br>68  |            | 0.66<br>10 | 1477<br>359               | 1210<br>3103               |             | 2197<br>77   | 0.56<br>40                           | 8154<br>90  | 5650<br>022                      | 0.04<br>1        | 0.08             | 279               | 8152<br>11                     | 5146<br>38  | 292          | 892  | 8836<br>6  |