The vertical axis is time and the horizontal axis is block size (in pixels)

Here, the time to select a filler image is nearly a straight line, meaning a constant slope. This is because, finding a filler image means traversing a list and this time is practically the same each time you traverse it no matter the block size.

The vertical axis is time (in seconds) and the horizontal axis is block size (in pixels)

The time to create the mosaic decreased as the block size increased. This graph reflects that the larger the block size, the fewer filler images that it needs to find and then copy and tint into the new mosaic image. This graph appears to be almost parabolic.