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We have measured the thermal conductivity of $(\text{TaSe}_4)_2\text{I}$ in the chain and perpendicular-to-chain directions from 80 K to 300 K. It shows an anisotropic behavior in lattice as well as in free carrier contribution. These results are in favor to the explanation that there are residual anomalies in thermal conductivity resulting from the contribution of low-frequency phasons of rather large velocities.