Returning to the lattice $5$, we may consider the points at distance $2/5$. Regular and Semi-Regular Polytopes III

P. 414. P. 38c. is Peter McMullen's skillful drawing of its most symmetrical planar projection, in which the 240 vertices are distributed into 8 concentric traiacantagons [30]. This drawing could have been derived from the frontispiece of Regular Complex Polytopes by inserting 240 extra lines [22, p. 134].