12 mm saved. 0 of 5 profiles pass.

Bounded route search / two virtual rooms / 41 chairs / fixed N1 / unchanged criteria



Retained curved-room section / reference return snapshot

N1 remains 556 mm forward / 30.0 mm right.

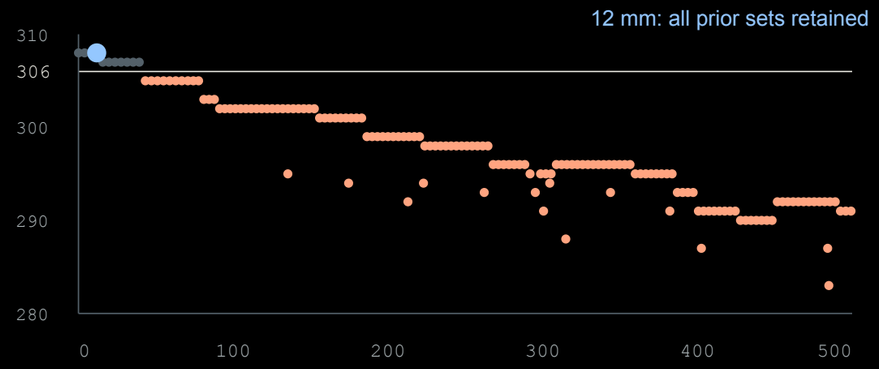
The approved camera is unchanged; experimental paths are separate.

Very little room under the sight-count rule.

The 153 mm origin station retains all 451 main and 369 nested passing combinations. A 39 mm saving passes the centred-chair check but loses earlier posture passes. No criterion is relaxed; the final route is not replaced.

Saving versus visible frames

Central broader-body screen / discrete measured inputs



Complete round-trip saving (mm)

Peach: <306. Grey: centred S1, central count >=306.

158 inputs below 0.5 m shown; 11 outside scope.

Five profiles: still short of the travel rule

Remaining reduction needed / worst saved condition

Profile 4882	352.8 mm
Profile 3819	408.2 mm
Profile 5816	445.5 mm
Profile 3588	461.7 mm
Profile 3573	471.1 mm

Bar scale: 0-500 mm / original profile caps

451 / 451 main 369 / 369 nested

169 discrete route inputs. A grid maximum, not a global optimum. Moving exposure is not recalculated.