Octagon vaulting with Equal Side Lengths
With Transverse ribs Semicircular
Octopartite vaulting
with equal height ordinates

Cross Diagonal Vault Ribs
Radius = 4
Semi Minor Axis = 4
Semi Major Axis = Radius ÷ cos(67.5°)
Semi Major Axis = 10.4525

R4.00

4.00

10.45

9.66

8.00

10.45

9.66

67.50°

4.00