

Villa 90_

The design aims to achieve a higher occupant thermal comfort while maintain a well day lit space.

The approach:

- Mechanical systems are **eliminated**.
- Use of **natural ventilation**.
- Façade oriented **south**.
- Addition of **shading elements**.
- **No adiabatic** surfaces.
- **RAD glass material** used.

sDA

83%

GLARE

All points
under 35%
glare

UDLI

Achieved

THERMAL
COMFORT
PMV %

14%

THERMAL
COMFORT
ADPT %

65%

