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A multi-objective facility location problem in the presence of variable gradual coverage performance and cooperative cover

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Highlights

- A Multi Objective Facility Location Problem with multiple features is introduced.
- Gradual coverage, cooperative coverage and variable coverage are considered.
- Deviations associated with cost, coverage performance and capacity are minimized.
- An integer non-linear and an equivalent integer linear program are developed.
- A combined non-linear and linear program solution procedure is proposed.

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