The following calculations of Daylight Factor were performed using AGi32 version 14.6. All models and test conditions are in accordance with the public study titled “Daylight Calculations in Practice”, originally performed by the Danish Building Research Institute, Aalborg University, Copenhagen. Document identification SBI 2013:26.

As captured from the original document:

Note conflict in room floor reflectance with Table 5, all floor reflectances in these calculations use 0.3
Room 1 - Simple Room

Figure 15: Daylight factor levels through the room
Room 1 - Simple room Daylight Factor

Points ≥ 2.0 DF in red

Daylight Factor (%)
Average=3.46  Maximum=12.32  Minimum=1.02  Avg/Min=
3.39  Max/Min=12.67  PercentOver2%=58.04%
Room 2 – Deep Room

Figure 19: Daylight factor level throughout the room
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<th>Room 2 – Deep Room Daylight Factor</th>
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Daylight Factor (%)

- Average: 1.97
- Maximum: 12.89
- Minimum: 0.29
- Avg/Min: 6.79
- Max/Min: 44.45
- Percent Over 2%: 28.36%
Room 3 – Simple room with obstruction
Assumptions: obstruction is 1.5m back from wall, 4m tall
Room 3 – Simple room with obstruction Daylight Factor
Points ≥ 2.0 DF in red

Daylight Factor (%)  
Average=1.05  Maximum=3.65  Minimum=0.65  Avg/Min=1.62  Max/Min=5.62  PercentOver2%=7.59%
Room 4 – Simple Room with Light Shelf
Assumptions: shelf is \( \frac{3}{4} \) distance down window height
Shelf is .4m deep
Room 4 – Simple Room with Light Shelf Daylight Factor

Points ≥ 2.0 DF in red

Daylight Factor (%)
Average=2.35  Maximum=7.97  Minimum=0.78  Avg/Min=3.01
Max/Min=10.22  PercentOver2%=41.96%
Room 5 – Borrowed Light

Differences from other models: report grid spacing is changed to .2m x .2m to match report

ROOM 5 – ROOM WITH BORROWED LIGHT – Simulation sheet

![Simulation sheet with graphs and models]
Room 5 – Borrowed Light Daylight Factor
Points ≥ 2.0 DF in red

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Daylight Factor (%)
Average=2.03 Maximum=4.20 Minimum=1.00 Avg/Min=2.03
Max/Min=4.20 Percent>0.2% = 42.063%