

Mapledurham Tennis Club

Spill Light

Project code: MLS256
Date: 02-04-2019
Customer: Mapledurham Tennis Club
Customer Representative: David Maynerd

Designer: Midlands Lighting Solutions

Description: This calculation demonstrates the amount of consequential spill light at a height of 2m above the playing surface.

Equipment Specification:

Columns:

6 No. new 6m mounting height columns with suitable brackets finished in green

5 Existing columns with new lights mounted at same height to match new columns opposite

Lights:

6 No. 530W Philips asymmetrical LED 4000K

6 No. 400W Philips asymmetrical LED 4000K (at property boundary)

Accessories:

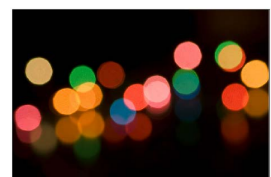
All lights along the property boundary to have back shields

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

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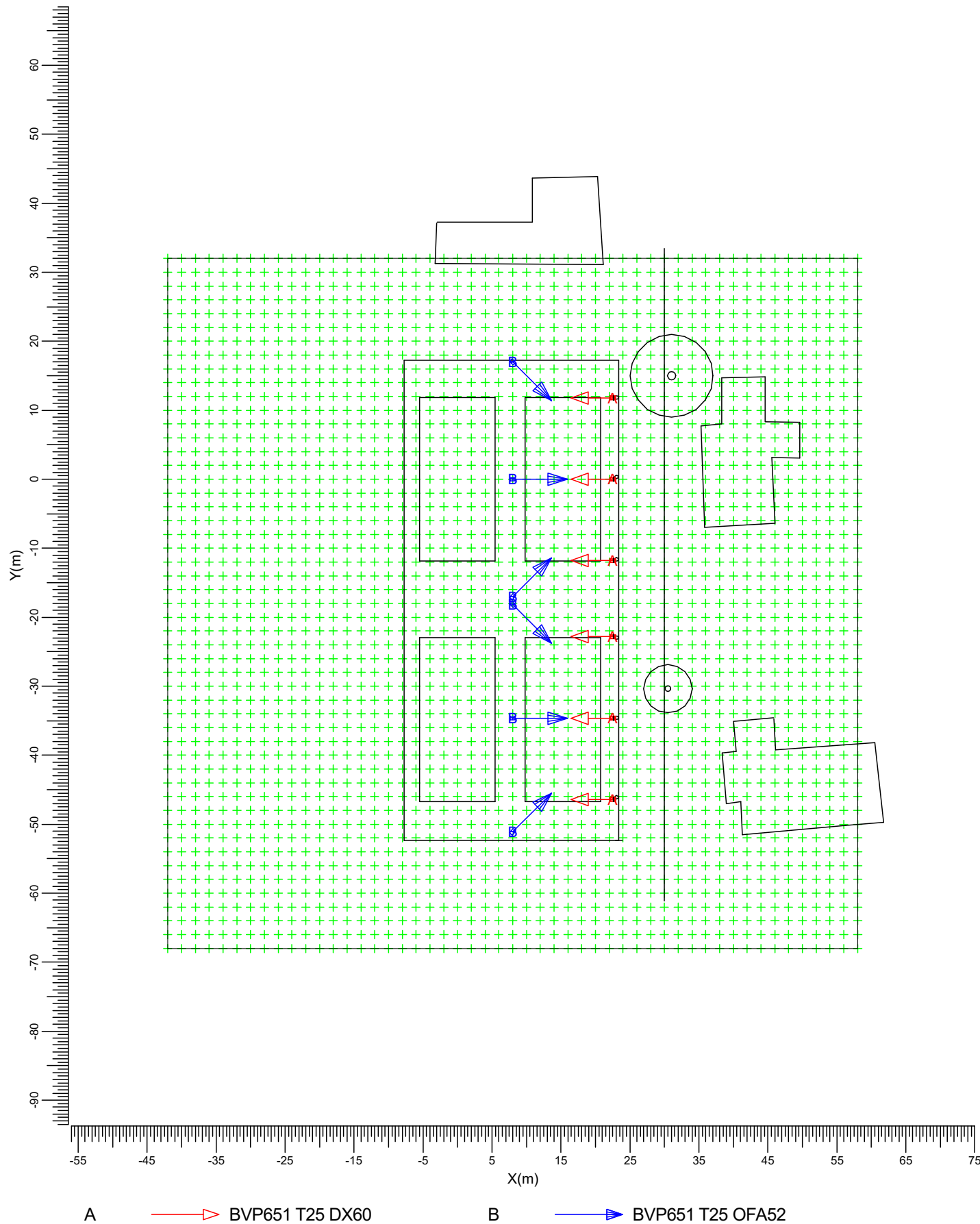
MIDLANDS LIGHTING SOLUTIONS LTD
CalcuLuX Area 7.7.2.0

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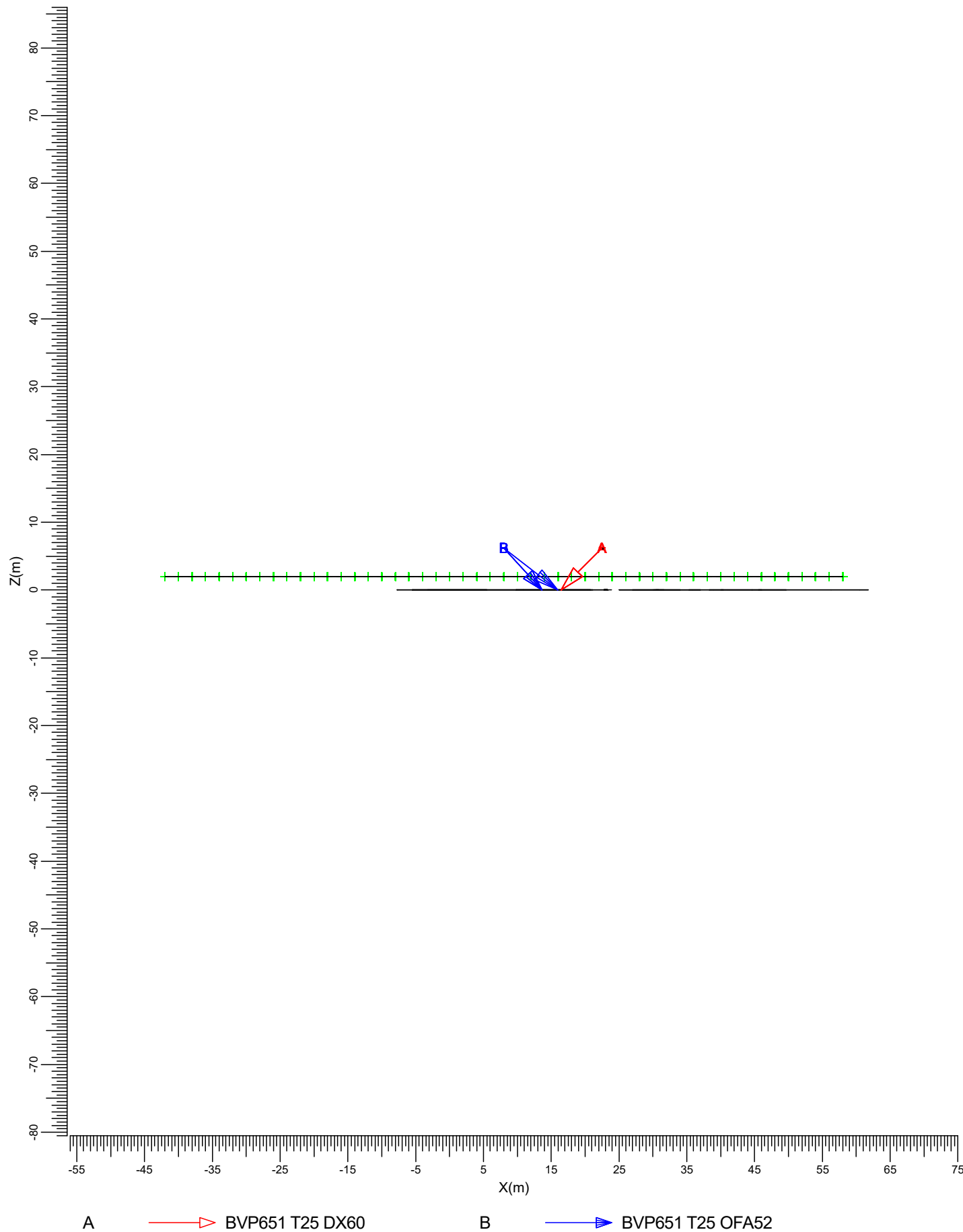
1. Project Description

1.1 Top Project Overview



Scale
1:750

1.2 Front Project Overview

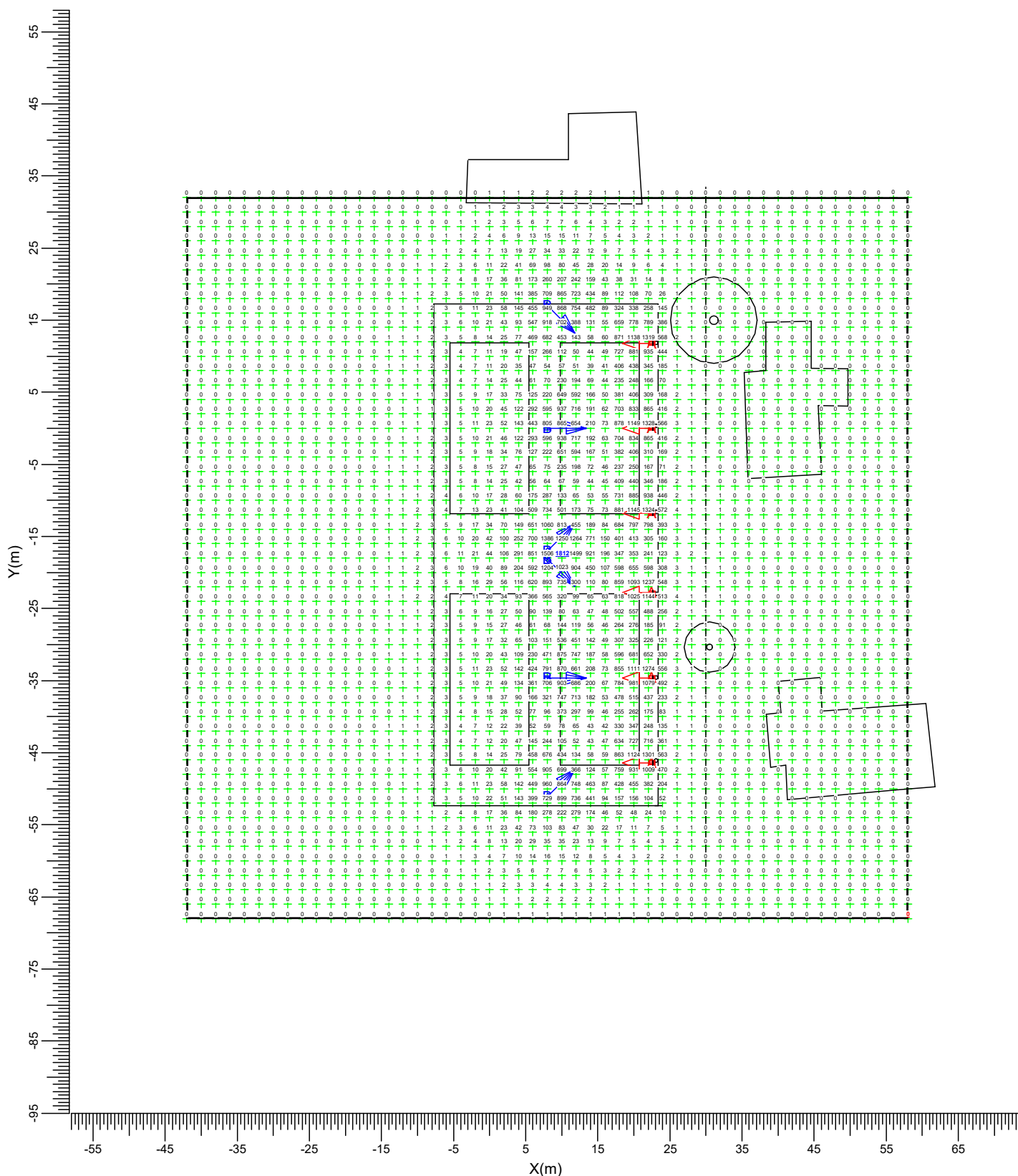


Scale
1:750

2. Calculation Results

2.1 Spill +2m: Graphical Table

Grid : Spill +2m at Z = 2.00 m
Calculation : Surface Illuminance (lux)



A



BVP651 T25 DX60

B



BVP651 T25 OFA52

Minimum
0.0

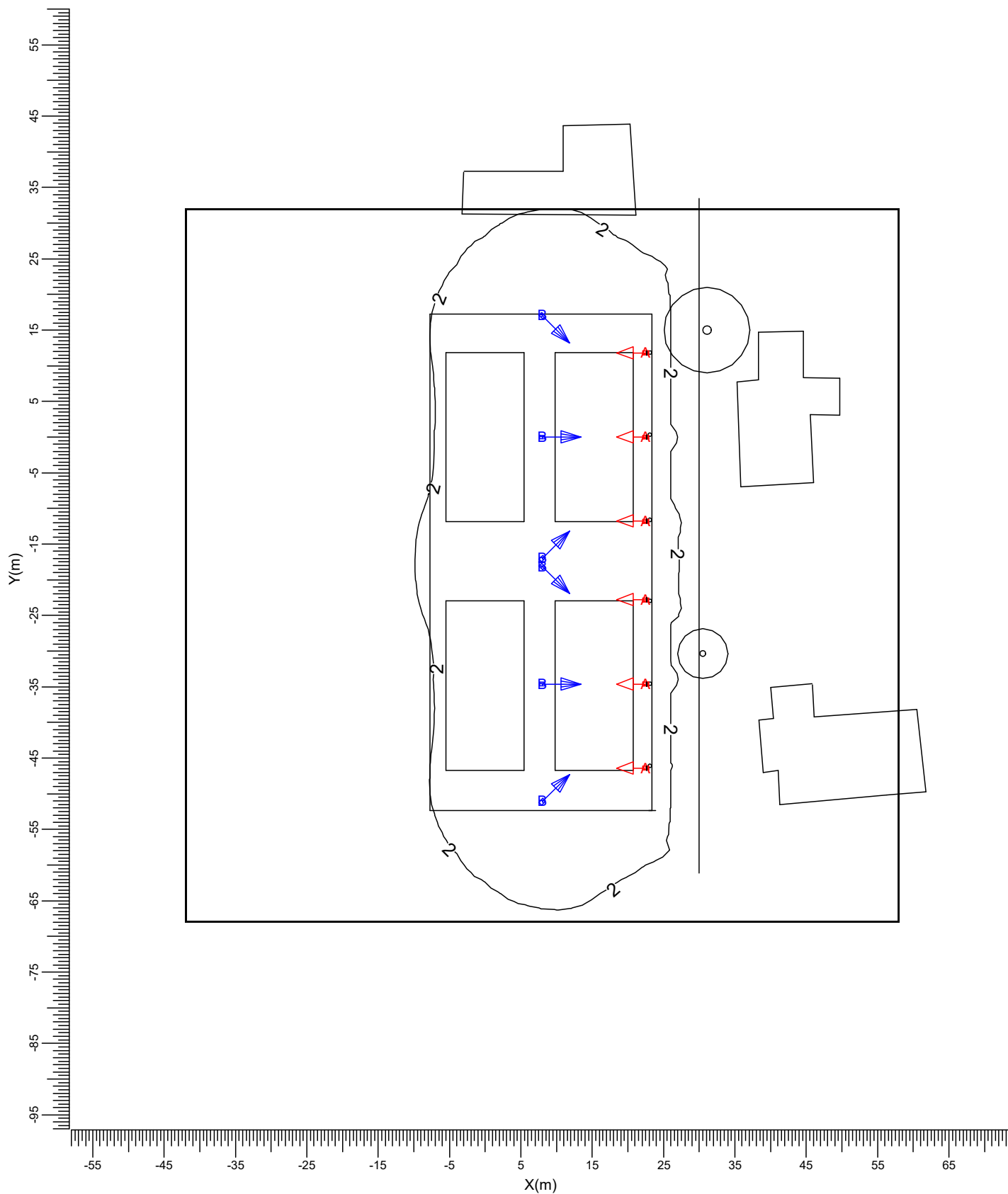
Maximum
1812.4

Project maintenance factor
0.90

Scale
1:750

2.2 Spill +2m: Iso Contour

Grid : Spill +2m at Z = 2.00 m
Calculation : Surface Illuminance (lux)



A  BVP651 T25 DX60

B  BVP651 T25 OFA52

Minimum
0.0

Maximum
1812.4

Project maintenance factor
0.90

Scale
1:750