

Hurstpierpoint College

New netball court lighting

Project code: 25001

Date: 07-01-2025

Designer: SJB Design

Description: Design for community level netball at 200 LUX and a uniformity of >0.6

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.

SJB Floodlighting Ltd

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Galleywood

Chelmsford

Essex

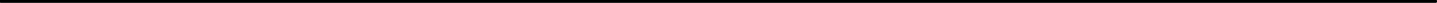
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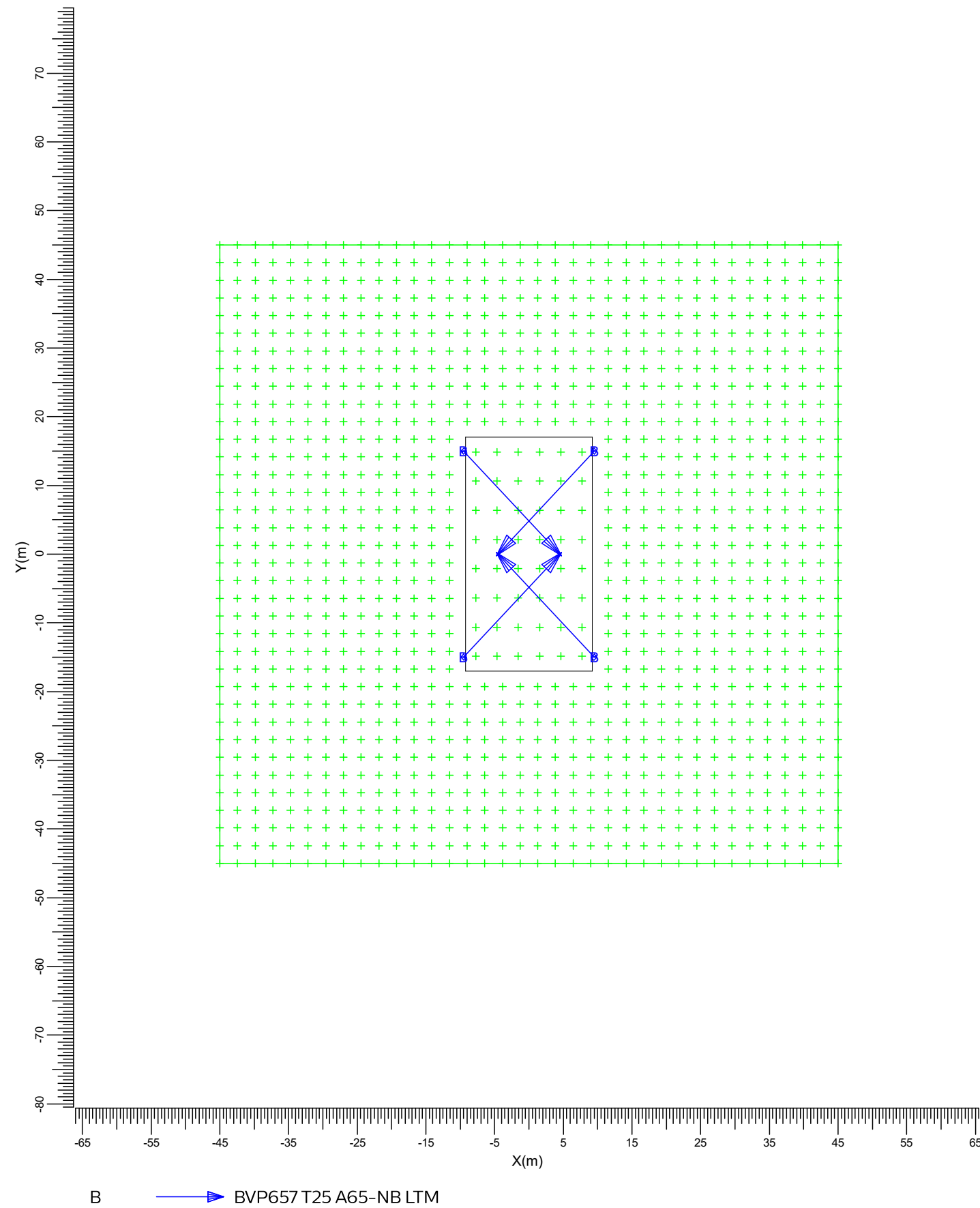
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1. Project Description

1.1 Top Project Overview



Scale
1:750

2. Summary

2.1 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
B	4	BVP657 T25 A65-NB LTM	1 * LED930-4S	530.6	1 * 93000

The total installed power: 2.12 (kWatt)

Number of Luminaires Per Switching Mode:

Switching Mode	Luminaire Code	Power (kWatt)
	B	
All on	4	2.12
Spillage	4	2.12

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	B	
Col 1	4	2.12

2.2 Calculation Results

Switching Modes:

Code	Switching Mode	Maintenance factor
1	All on	0.90
2	Spillage	1.00

(II)luminance Calculations:

Calculation	Switching Mode	Type	Unit	Ave Min/Ave	
Fence	1	Surface Illuminance	lux	212	0.62
Spillage	2	Surface Illuminance	lux		

Glare Rating for Grid of Observers:

Calculation	Switching Mode	Observer Grid	Reference Grid	Reflectance	GR-Max
Glare	1	Fence	Fence	0.25	41.7

Obtrusive Light Calculations:

Switching Mode	ULR
1	0.00
2	0.00

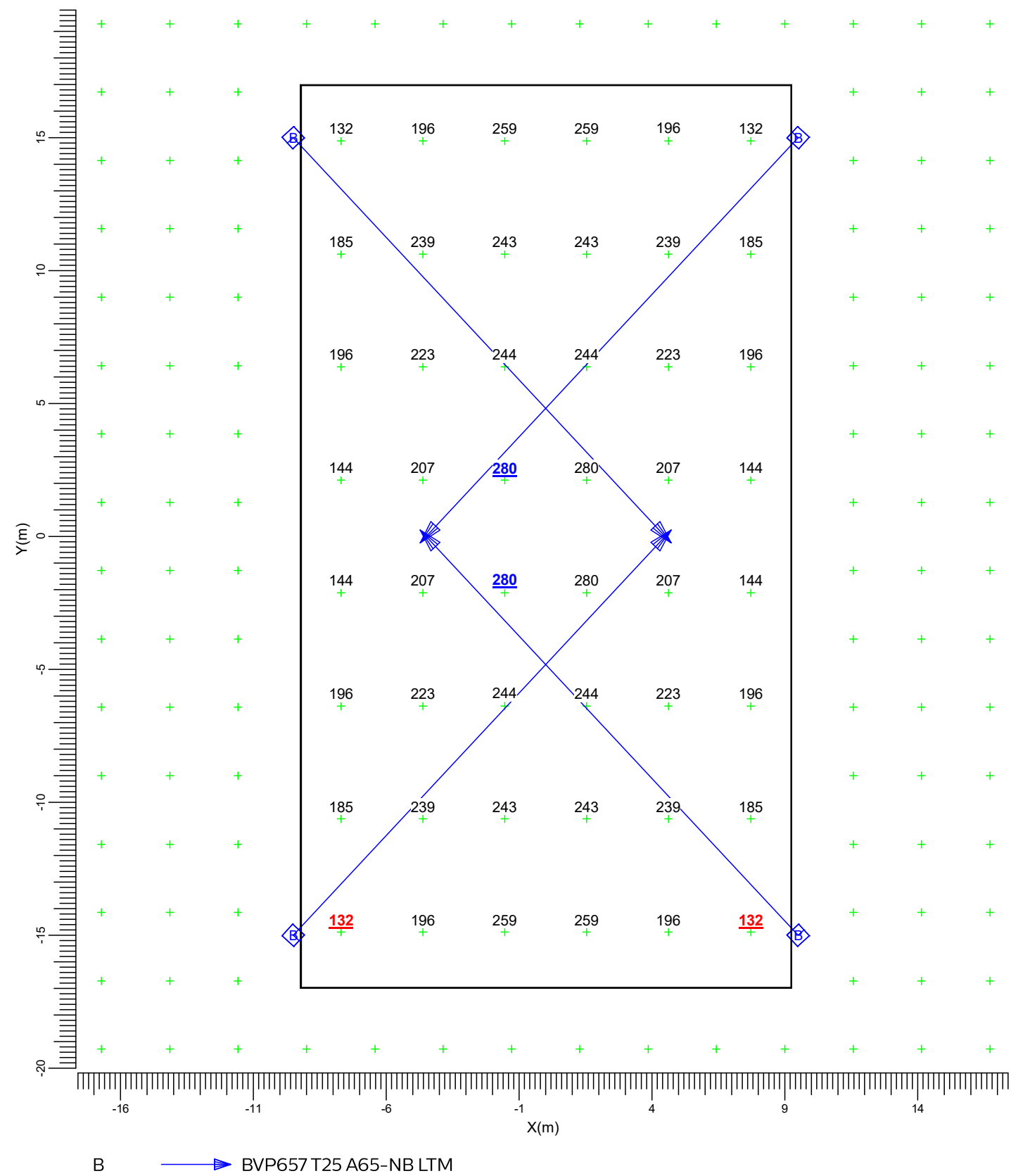
3. Calculation Results

3.1 Fence: Graphical Table

All on

Grid : Fence at Z = -0.00 m

Calculation : Surface Illuminance (lux)



Average
212

Min/Ave
0.62

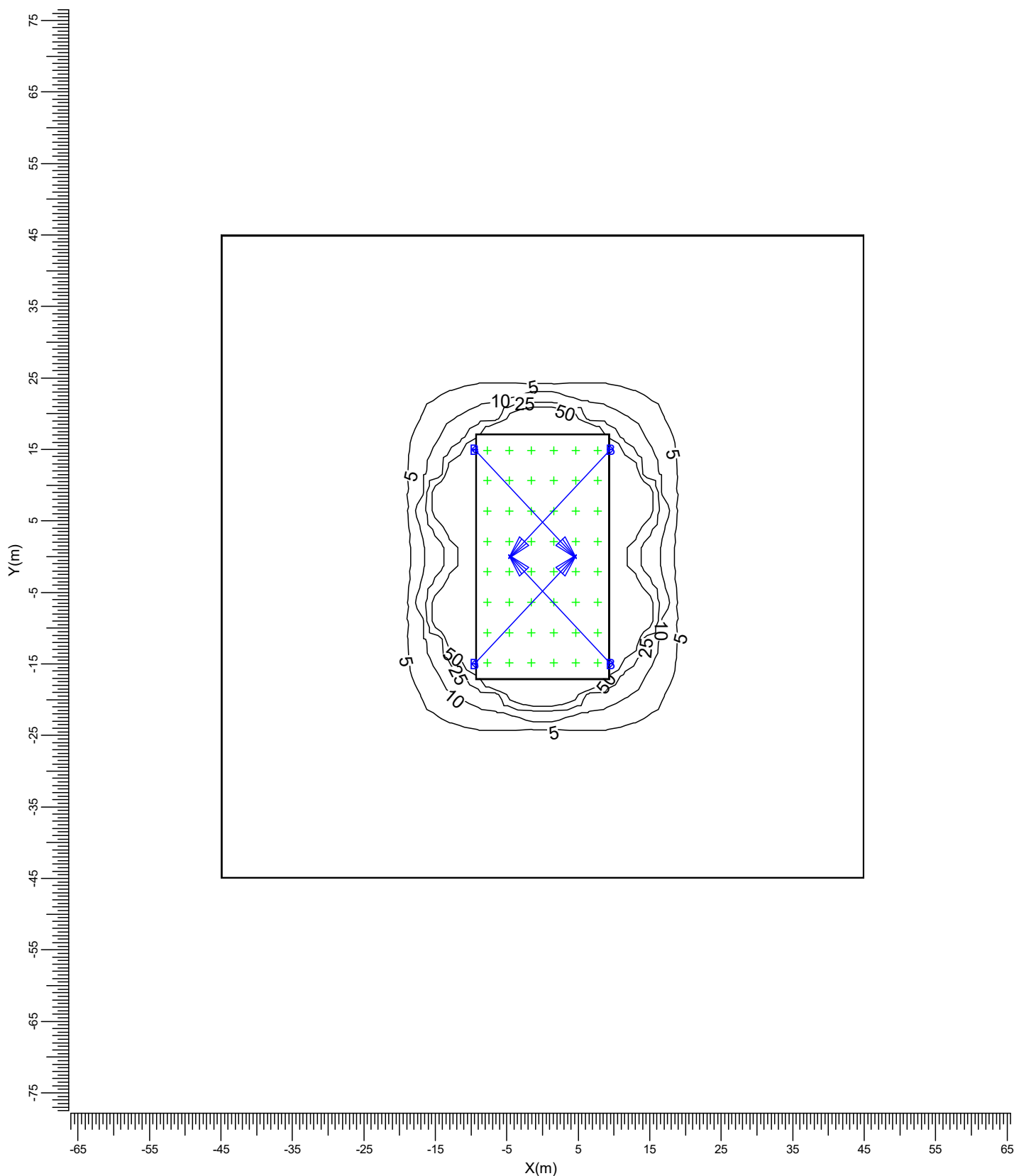
Project maintenance factor
0.90

Scale
1:200

3.2 Spillage: Iso Contour

Spillage

Grid : Spillage at Z = 0.00 m
Calculation : Surface Illuminance (lux)



B  BVP657 T25 A65-NB LTM

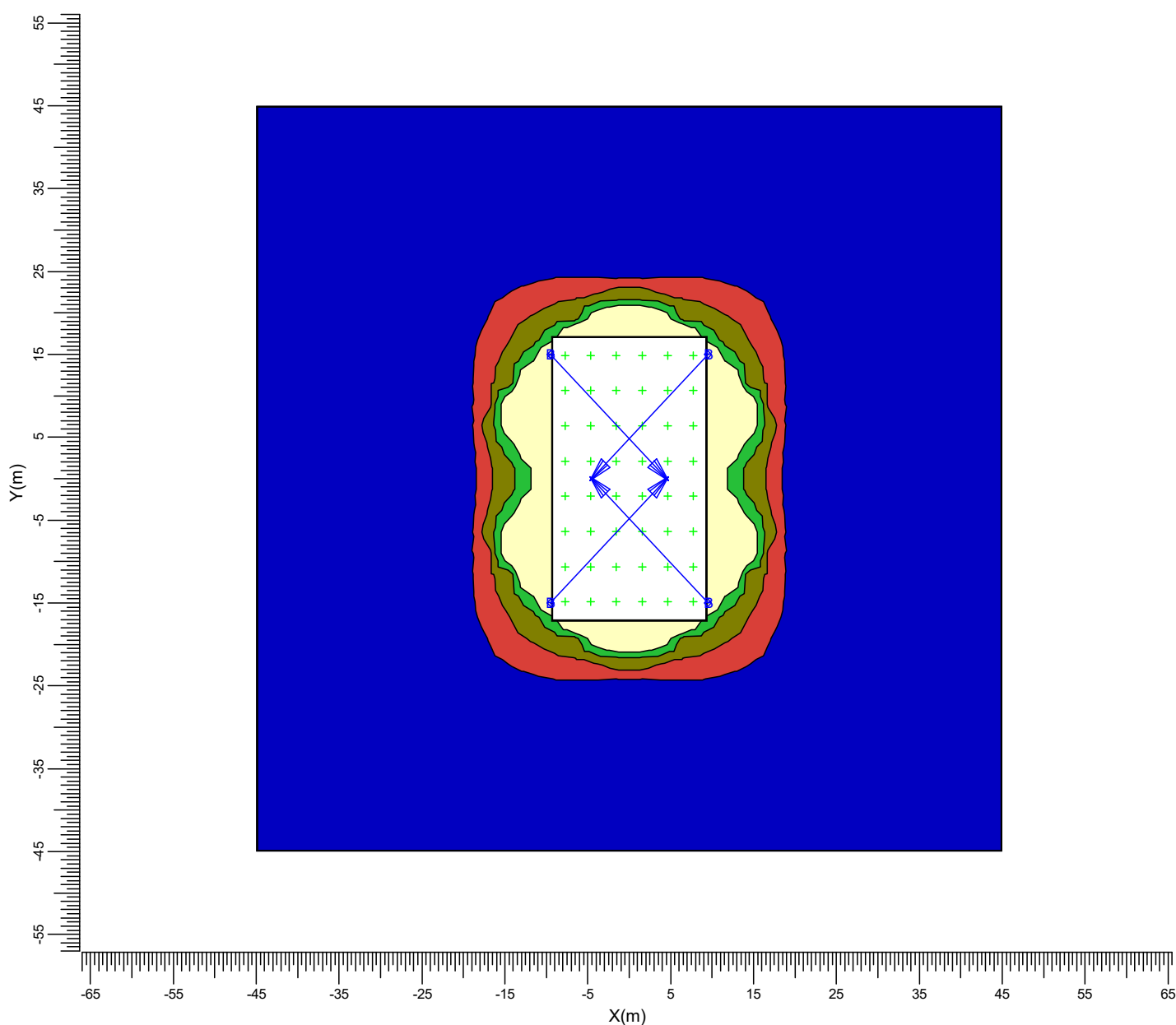
Project maintenance factor
1.00

Scale
1:750

3.3 Spillage: Filled Iso Contour

Spillage

Grid : Spillage at Z = 0.00 m
Calculation : Surface Illuminance (lux)



Project maintenance factor
1.00

Scale
1:750

3.4 Glare: Graphical Table

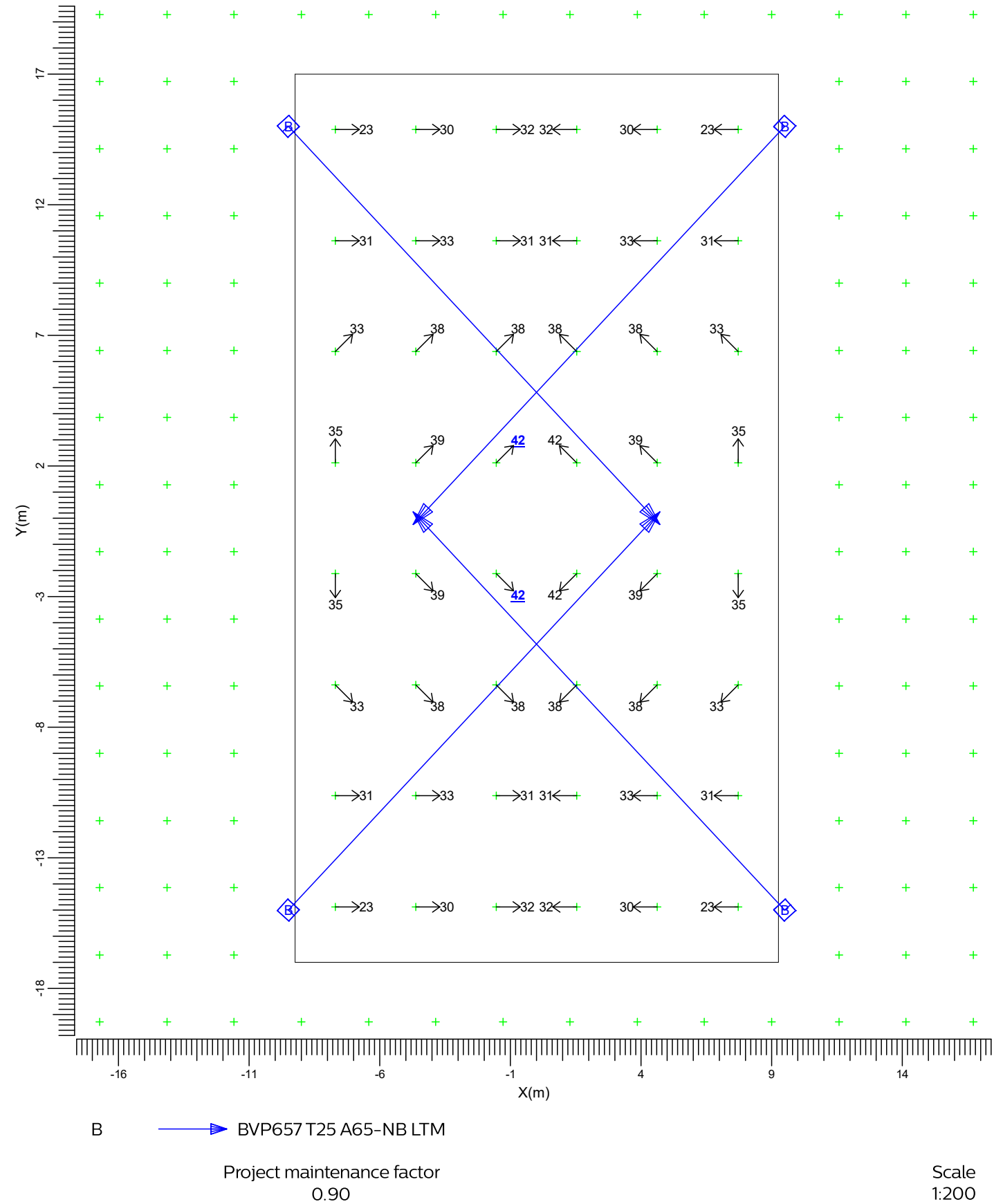
All on

Grid of Observers : Fence

Calculation : Glare Rating

Grid for Background Luminance: Fence (Reflectance: 0.25)

Vertical Viewing Angle : -2.0 deg



4. Luminaire Details

4.1 Project Luminaires

ClearFlood gen2
BVP657 T25 1xLED930-4S/757 FP A65-NB LTM

Light output ratios

DLOR	: 0.55
ULOR	: 0.00
TLOR	: 0.55

Ballast : FP

Lamp flux : 93000 lm

Luminaire wattage : 530.6 W

Measurement code : LVA2406052

Note: Luminaire data not from database.

