

Manchester Nicholls

3no. 5v5 & 3 no. 7v7 Pitches

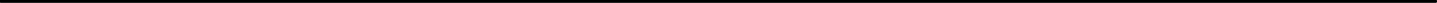
Project code:	22148
Date:	26-05-2022
Customer:	SIS (UK) Ltd
Customer Representative:	Simon Mroczek
Designer:	SJB Design

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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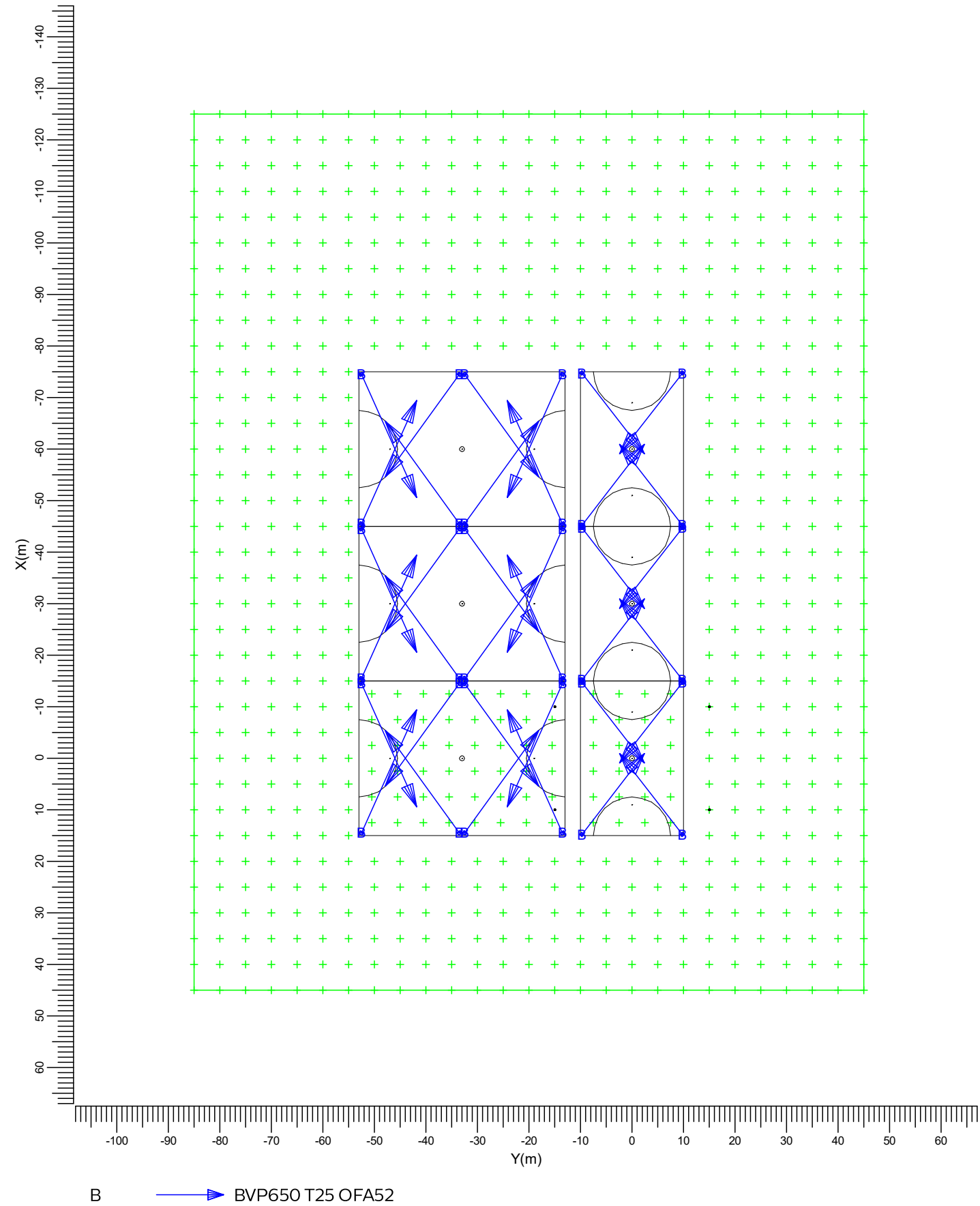
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1. Project Description

1.1 Top Project Overview



Scale
1:1000

2. Summary

2.1 Obstacle Information

Obstacle	Transparency (%)	Position		
		X (m)	Y (m)	Z (m)
Col 1	0	-10.00	-15.00	0.00
		10.00	-15.00	0.00
		-10.00	15.00	0.00
		10.00	15.00	0.00

2.2 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
B	36	BVP650 T25 OFA52	1 * LED460-4S/757	295.0	1 * 46000

The total installed power: 10.62 (kWatt)

Number of Luminaires Per Switching Mode:

Switching Mode	Luminaire Code	Power (kWatt)
	B	
Pitch 1	4	1.18
Pitch 2	4	1.18
Pitch 3	4	1.18
Pitch 4	8	2.36
Pitch 5	8	2.36
Pitch 6	8	2.36
Pitch 7	0	0.00
Pitch 8	0	0.00
Pitch 9	0	0.00
All on	36	10.62

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	B	
Col 1	4	1.18
Col 2	4	1.18
Col 3	4	1.18
Col 4a	4	1.18
Col 4b	4	1.18
Col 5a	4	1.18
Col 5b	4	1.18
Col 6a	4	1.18
Col 6b	4	1.18

2.3 Calculation Results

Switching Modes:

Code	Switching Mode	Maintenance factor
1	Pitch 1	0.95
2	Pitch 2	0.95
3	Pitch 3	0.95

Code	Switching Mode	Maintenance factor
4	Pitch 4	0.95
5	Pitch 5	0.95
6	Pitch 6	0.95
7	Pitch 7	0.95
8	Pitch 8	0.95
9	Pitch 9	0.95
10	All on	1.00

(II)luminance Calculations:

Calculation	Switching Mode	Type	Unit	Ave Min/AveMin/Max		
Pitch 1	1	Surface Illuminance	lux	124	0.64	
Pitch 4	4	Surface Illuminance	lux	156	0.60	0.41
Spillage	10	Surface Illuminance	lux			

Obtrusive Light Calculations:

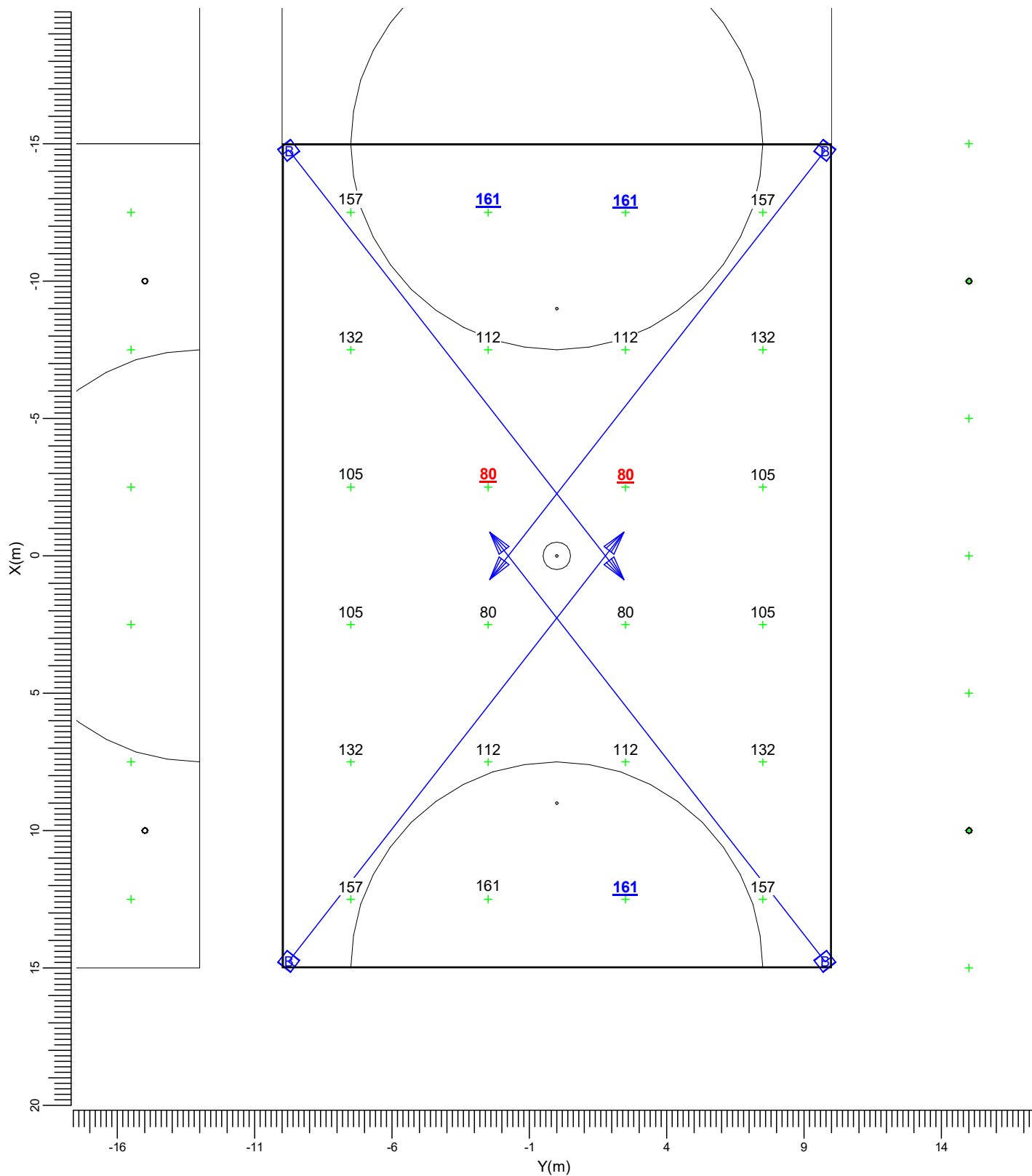
Switching Mode	ULR
1	0.00
2	0.00
3	0.00
4	0.01
5	0.01
6	0.01
7	0.00
8	0.00
9	0.00
10	0.01

3. Calculation Results

3.1 Pitch 1: Graphical Table

Pitch 1

Grid : Pitch 1 at Z = -0.00 m
Calculation : Surface Illuminance (lux)



Average
124

Min/Ave
0.64

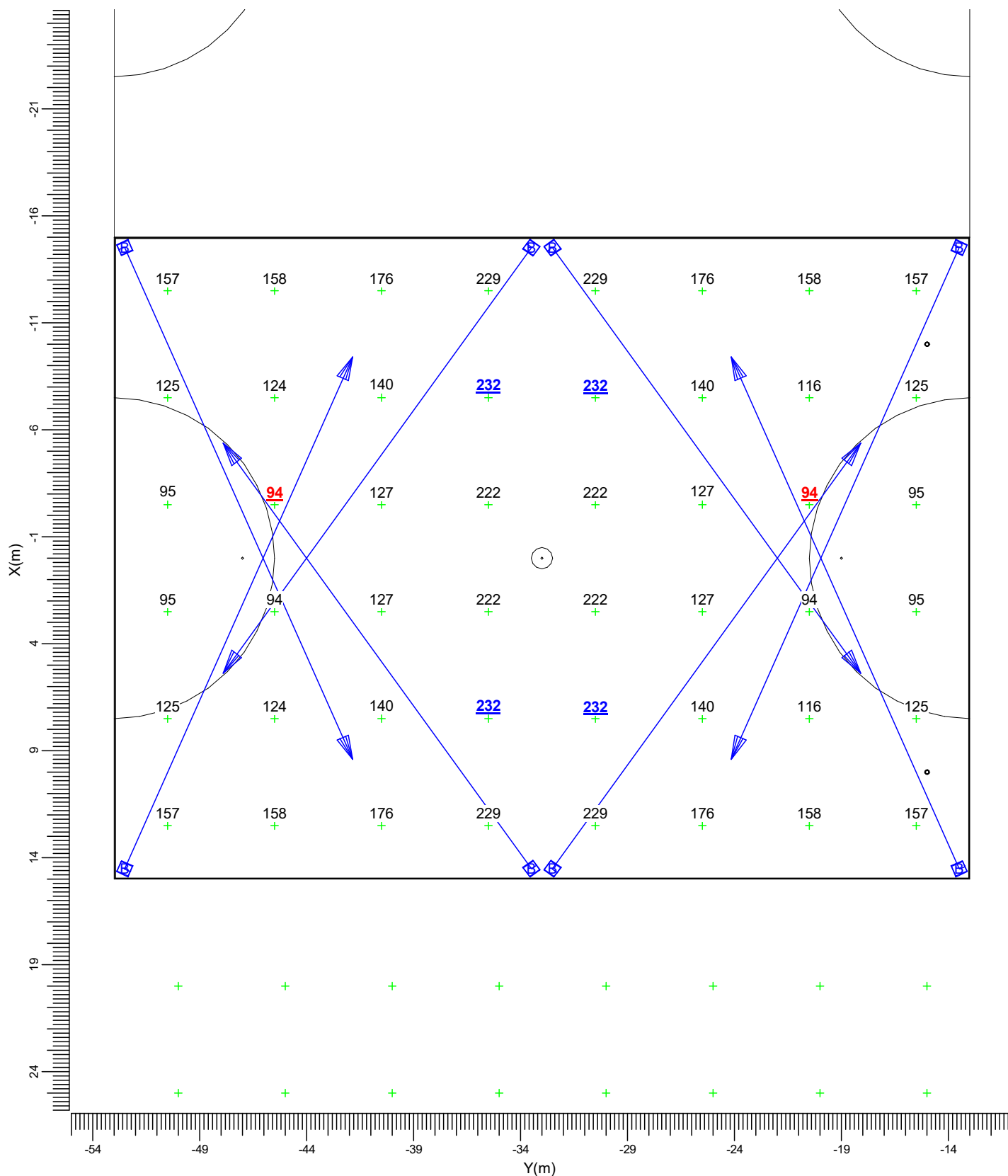
Project maintenance factor
0.95

Scale
1:200

3.2 Pitch 4: Graphical Table

Pitch 4

Grid : Pitch 4 at Z = -0.00 m
Calculation : Surface Illuminance (lux)



B ———▶ BVP650 T25 OFA52

Average
156

Min/Ave
0.60

Min/Max
0.41

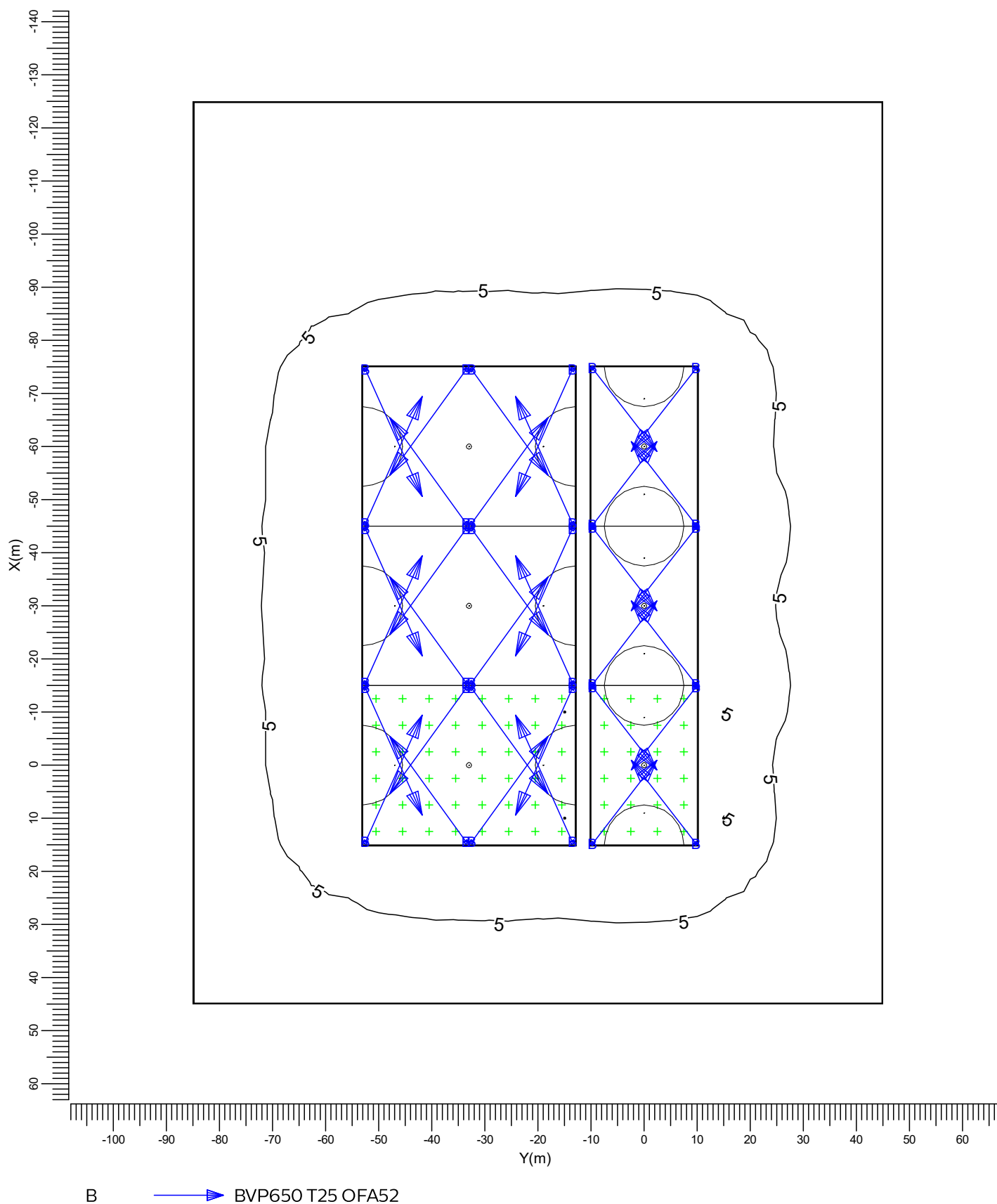
Project maintenance factor
0.95

Scale
1:250

3.3 Spillage: Iso Contour

All on

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



Project maintenance factor
1.00

Scale
1:1000

4. Luminaire Details

4.1 Project Luminaires

ClearFlood

BVP650 T25 1xLED460-4S/757/- - OFA52

Light output ratios

DLOR : 0.85

ULOR : 0.00

TLOR : 0.85

Ballast : -

Lamp flux : 46000 lm

Luminaire wattage : 295.0 W

Measurement code : LVM1629300

Note: Luminaire data not from database.

