

Imperial College

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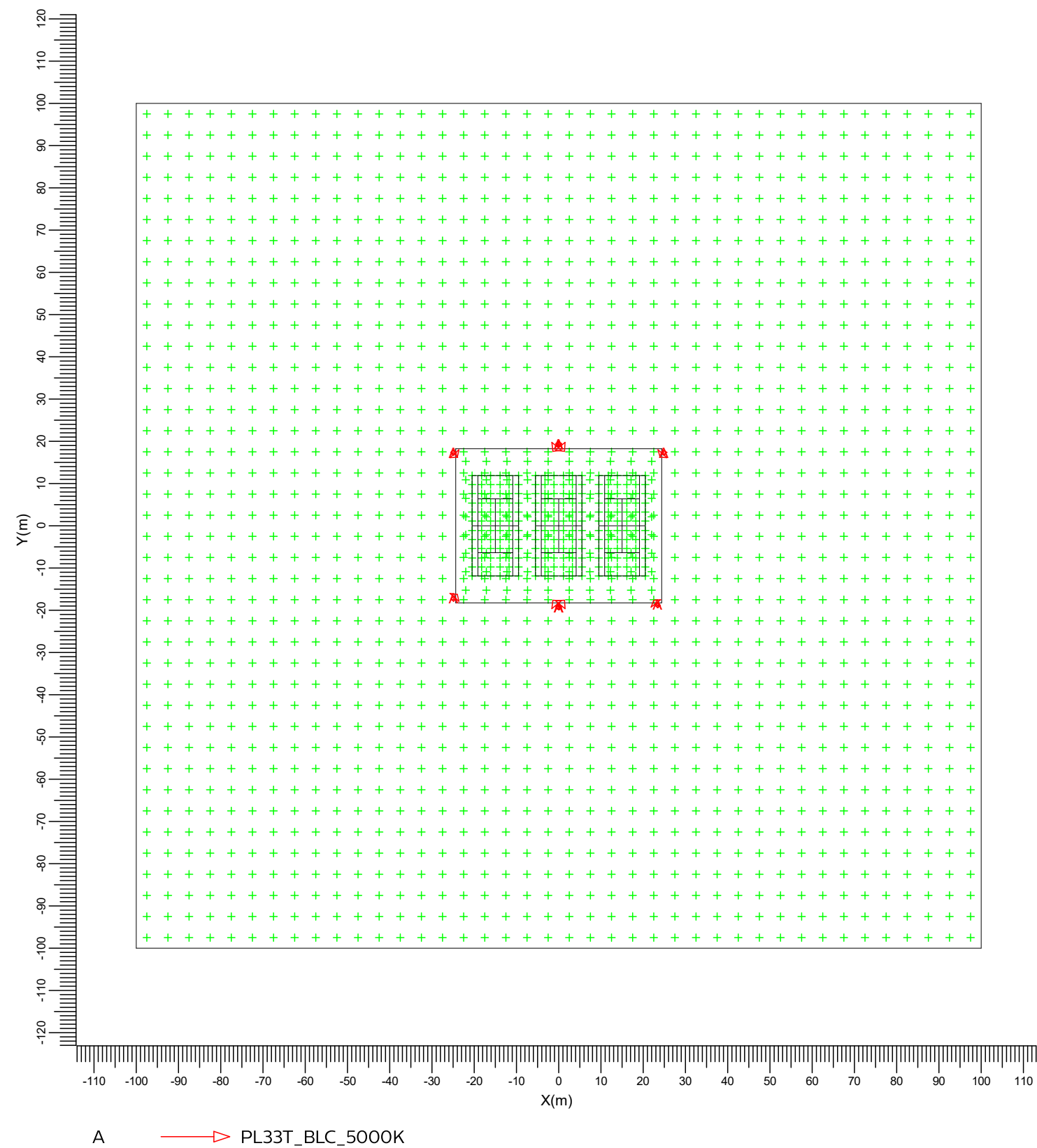
The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties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

Table of Contents

1.	Project Description	3
1.1	Top Project Overview	3
2.	Summary	4
2.1	Project Luminaires	4
2.2	Calculation Results	4
3.	Calculation Results	5
3.1	MUGA: Graphical Table	5
3.2	Tennis1: Graphical Table	6
3.3	Tennis: Graphical Table	7
3.4	Tennis2: Graphical Table	8
3.5	Spill: Iso Contour	9
4.	Luminaire Details	10
4.1	Project Luminaires	10
5.	Installation Data	11
5.1	Legends	11
5.2	Luminaire Positioning and Orientation	11

1. Project Description

1.1 Top Project Overview



Scale
1:1250

2. Summary

2.1 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
A	8	PL33T_BLC_5000K	1 * LED	1400.0	1 * 125800

The total installed power: 11.20 (kWatt)

2.2 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave Min/AveMin/Max		
MUGA	Surface Illuminance	lux	493	0.82	0.72
Tennis1	Surface Illuminance	lux	508	0.90	0.84
Tennis	Surface Illuminance	lux	510	0.90	0.79
Tennis2	Surface Illuminance	lux	516	0.89	0.81
Spill	Surface Illuminance	lux	25.0	0.00	0.00

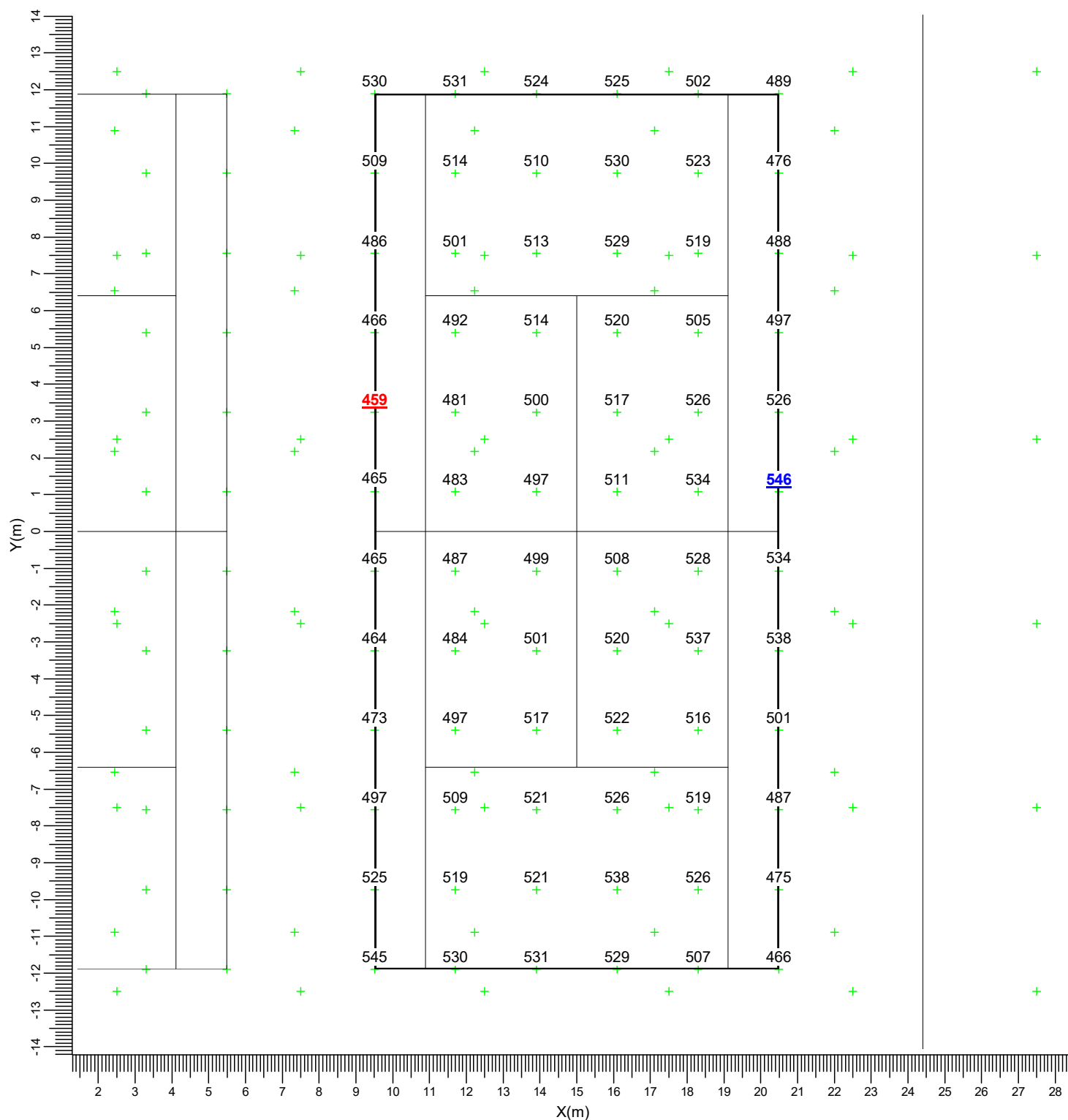
3.1 MUGA: Graphical Table

[illegible]

Average	Min/Ave	Min/Max	Project maintenance factor	Scale
493	0.82	0.72	1.00	1:300

3.2 Tennis1: Graphical Table

Grid : Tennis1 at Z = -0.00 m
 Calculation : Surface Illuminance (lux)



A → PL33T_BLC_5000K

Average
508

Min/Ave
0.90

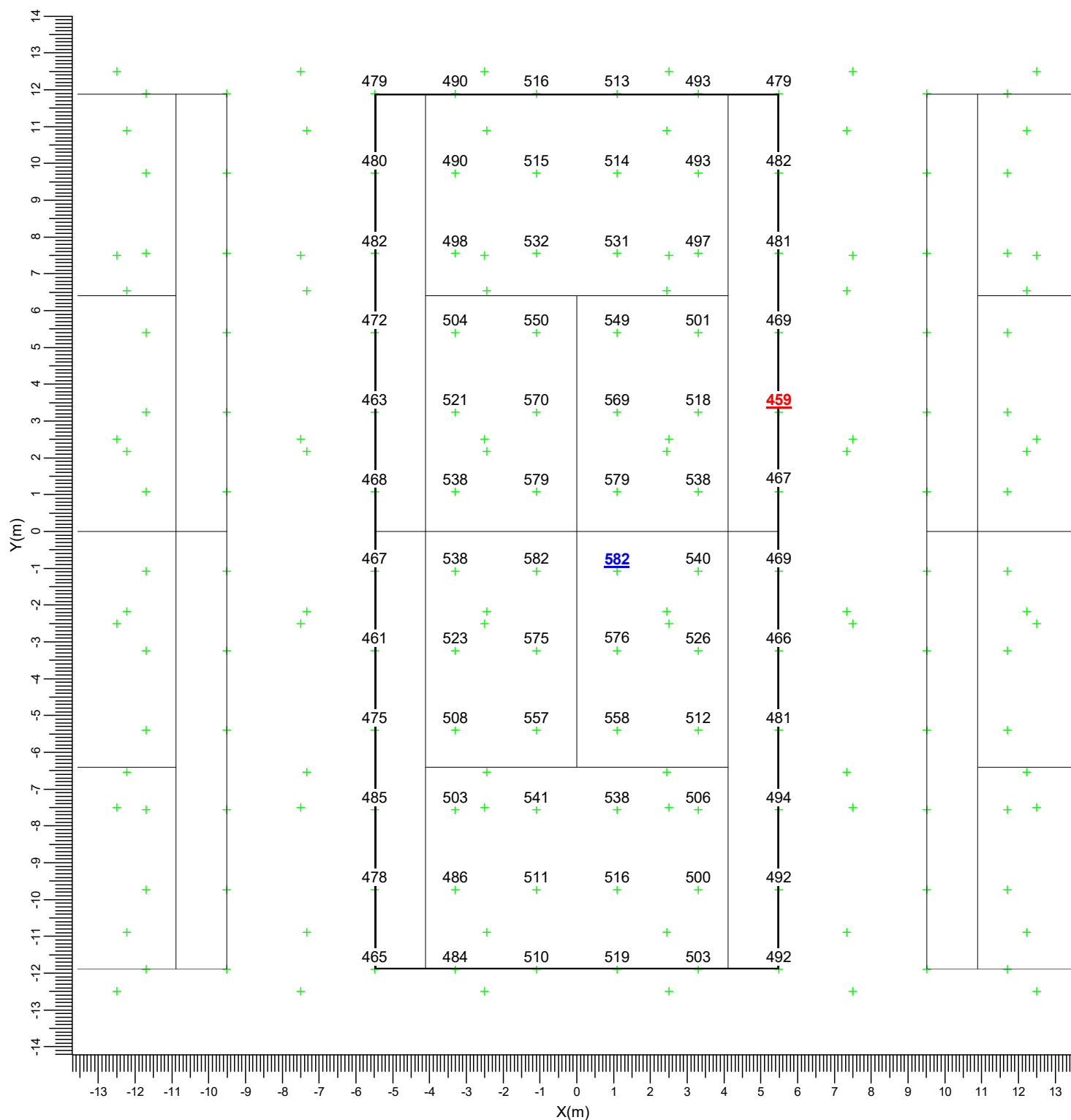
Min/Max
0.84

Project maintenance factor
1.00

Scale
1:150

3.3 Tennis: Graphical Table

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



A ➤ PL33T_BLC_5000K

Average
510

Min/Ave
0.90

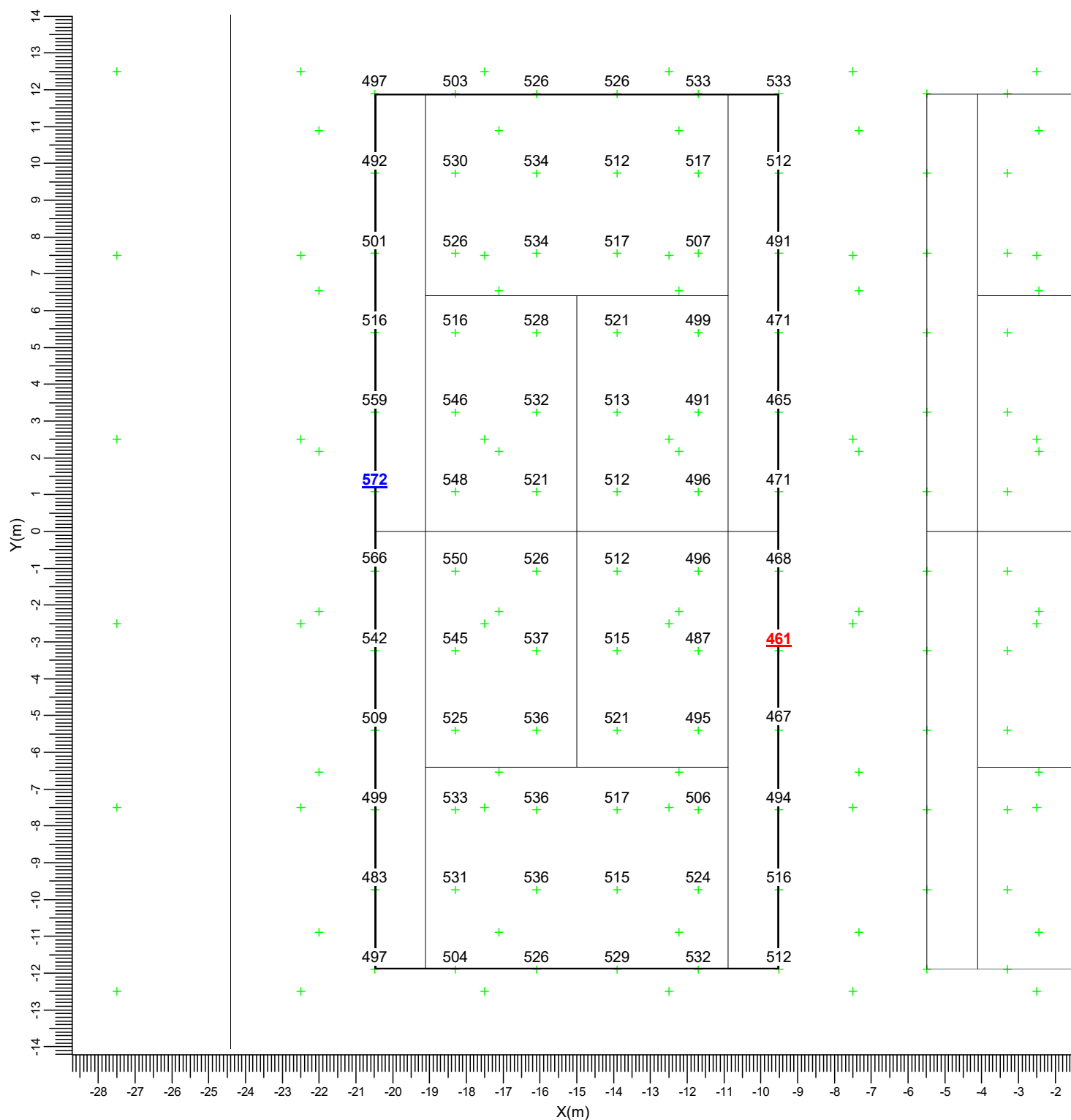
Min/Max
0.79

Project maintenance factor
1.00

Scale
1:150

3.4 Tennis2: Graphical Table

Grid : Tennis2 at Z = -0.00 m
 Calculation : Surface Illuminance (lux)



A PL33T_BLC_5000K

Average
516

Min/Ave
0.89

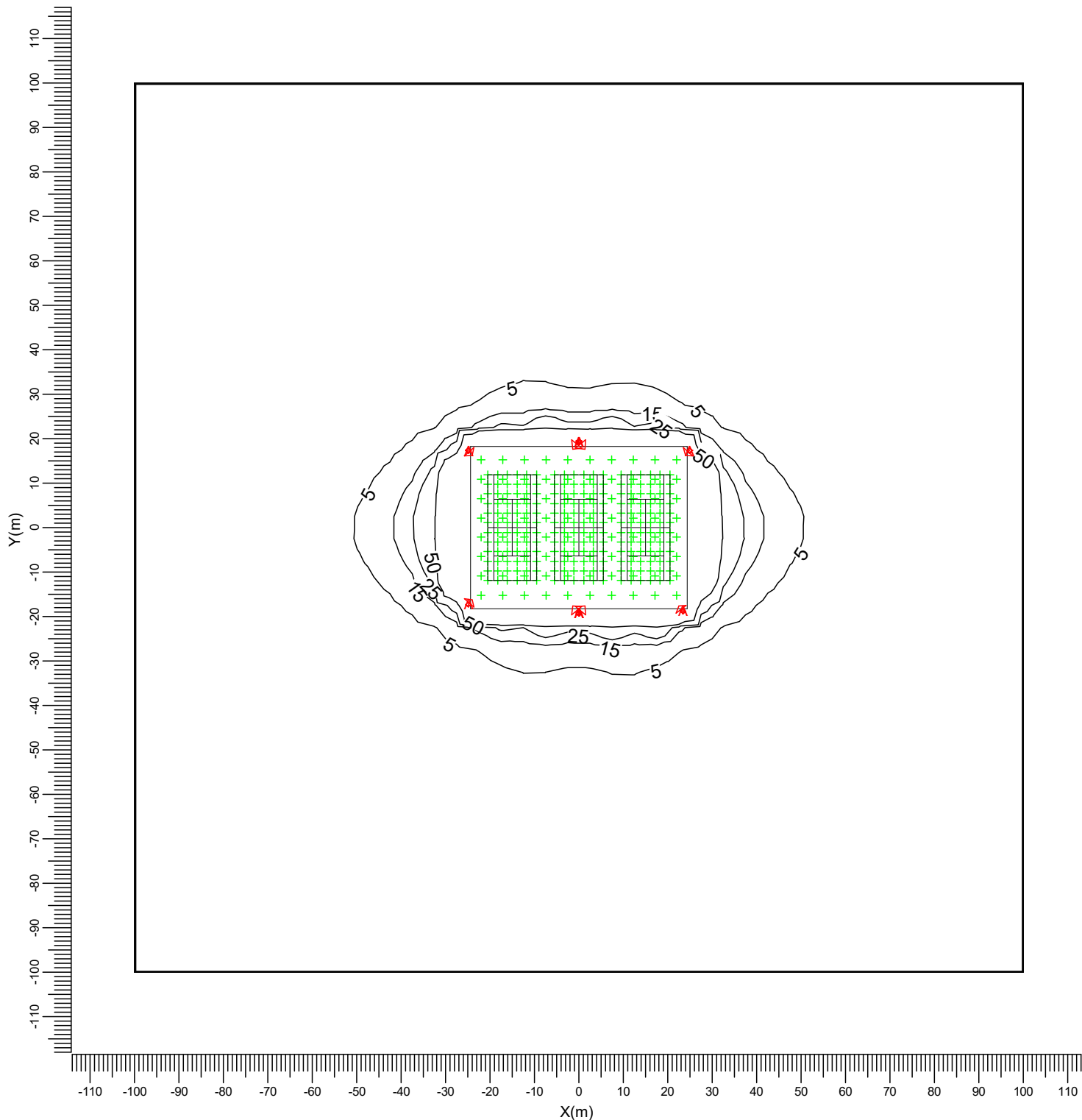
Min/Max
0.81

Project maintenance factor
1.00

Scale
1:150

3.5 Spill: Iso Contour

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



A  PL33T_BLC_5000K

Average	Min/Ave	Min/Max	Project maintenance factor	Scale
25.0	0.00	0.00	1.00	1:1250

4. Luminaire Details

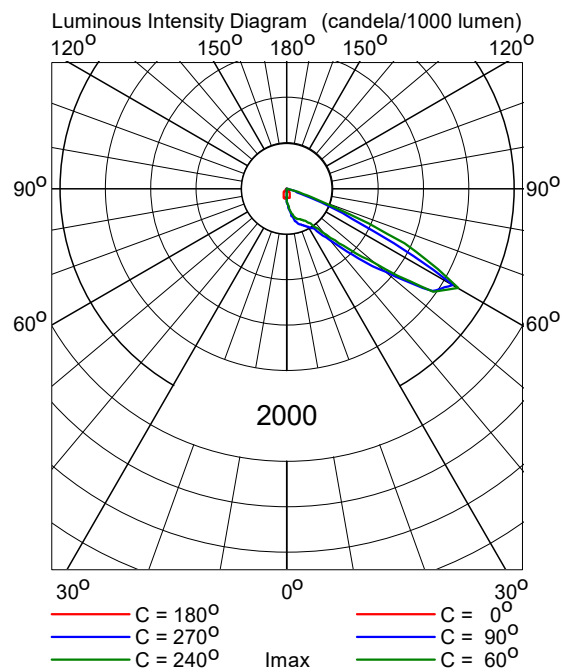
4.1 Project Luminaires

PL33T_BLC_5000K 1xLED/5000K

Light output ratios

DLOR	: 1.00
ULOR	: 0.00
TLOR	: 1.00
Lamp flux	: 125800 lm
Luminaire wattage	: 1400.0 W
Measurement code	: SPEOS simu

Note: Luminaire data not from database.



5. Installation Data

5.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
A	8	PL33T_BLC_5000K	1 * LED	1 * 125800

5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	-24.90	-17.30	8.00	50.5	10.0	0.0
1 * A	-24.90	17.30	8.00	-47.1	10.0	0.0
1 * A	-0.00	-19.30	8.00	52.2	15.0	-0.0
1 * A	-0.00	-19.30	8.00	127.8	15.0	0.0
1 * A	-0.00	19.30	8.00	-52.2	15.0	0.0
1 * A	-0.00	19.30	8.00	-127.8	15.0	-0.0
1 * A	23.40	-18.80	8.00	127.3	10.0	0.0
1 * A	24.90	17.30	8.00	-132.9	10.0	-0.0