

Neath Padel Courts

2Nr. Padel Courts

Project code: SSL3605
Date: 16-06-2026

Designer: Andy Poplett

Description: Mounting Height 6 m

Class II - 300lux 0.70min/ave
4 x ClearFlood BVP650 T25 1xLED460-4S/740 DW10

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.

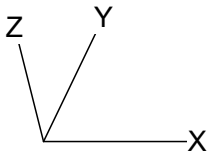
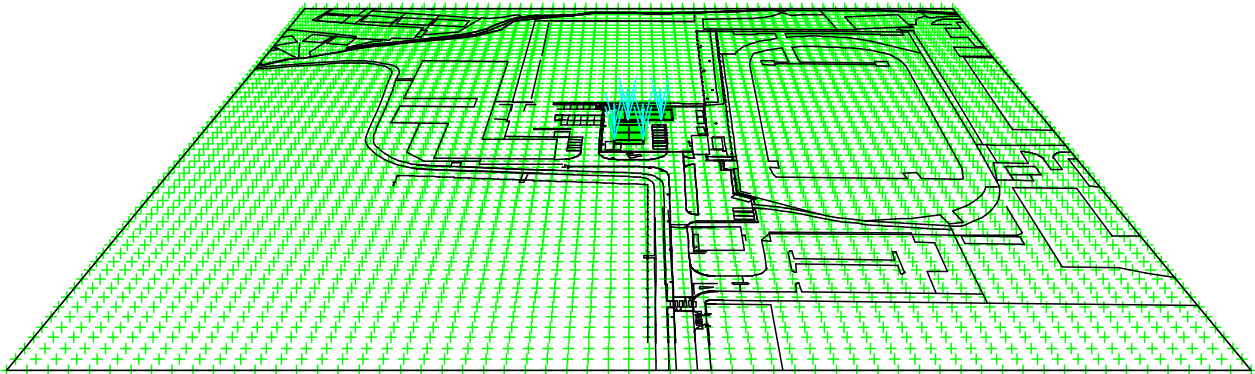
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CalcuLuX Area 7.9.0.0

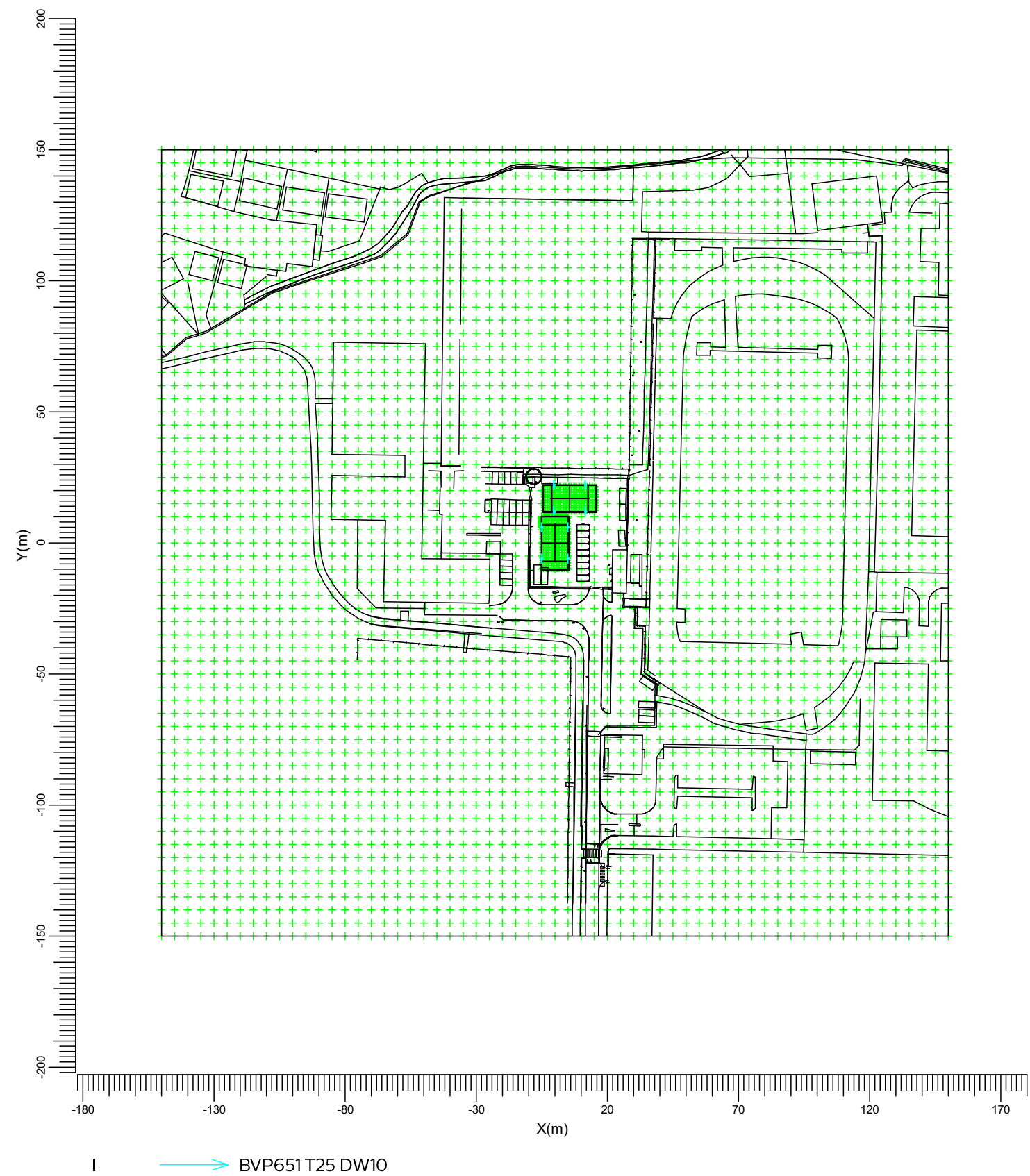
1. Project Description

1.1 3-D Project Overview



I  BVP651 T25 DW10

1.2 Top Project Overview



Scale
1:2000

2. Summary

2.1 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
I	8	BVP651 T25 DW10	1 * LED800-4S/757	540.0	1 * 80000

The total installed power: 4.32 (kWatt)

Number of Luminaires Per Switching Mode:

Switching Mode	Luminaire Code	Power (kWatt)
	I	
Central	4	2.16
North	4	2.16
Spillage	8	4.32

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	I	
Libre	8	4.32

2.2 Calculation Results

Switching Modes:

Code	Switching Mode	Maintenance factor
1	Central	0.95
2	North	0.95
3	Spillage	1.00

(Il)luminance Calculations:

Calculation	Switching Mode	Type	Unit	Ave Min/AveMin/Max		
Padel South	1	Horizontal Illuminance	lux	554	0.70	0.57
Padel North	2	Surface Illuminance	lux	554	0.70	0.57
Spillage	3	Surface Illuminance	lux	5.69	0.00	0.00

Glare Rating for Grid of Observers:

Calculation	Switching Mode	Observer Grid	Reference Grid	Reflectance	GR-Max
Glare South 1.5	3	Padel South 1.5	Padel South	0.25	37.3
Glare North 1.5	3	Padel North 1.5	Padel North	0.25	39.8

3. Calculation Results

3.1 Padel South: Graphical Table

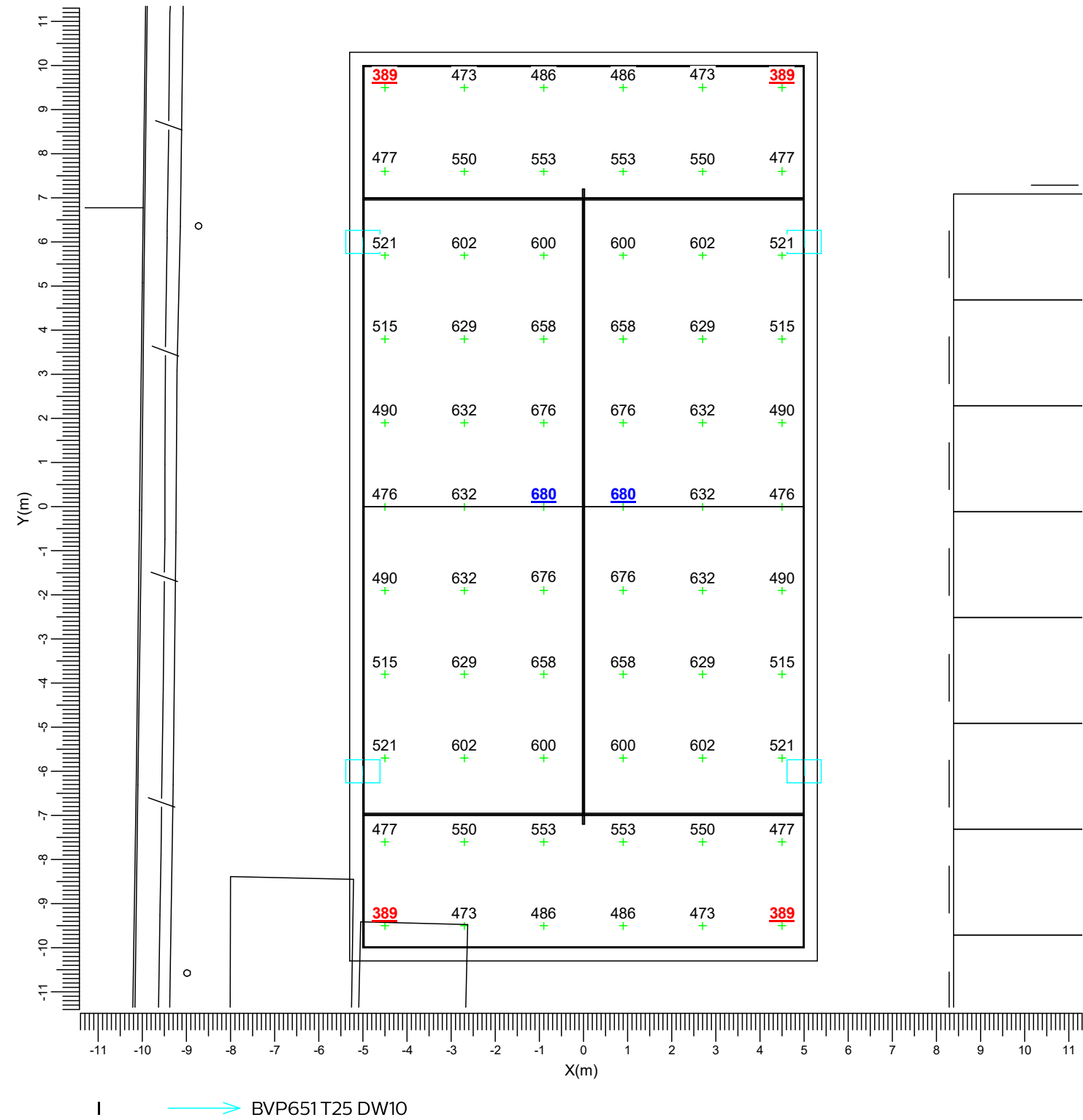
Central

Grid

: Padel South at Z = -0.00 m

Calculation

: Horizontal Illuminance (lux)



Average
554

Min/Ave
0.70

Min/Max
0.57

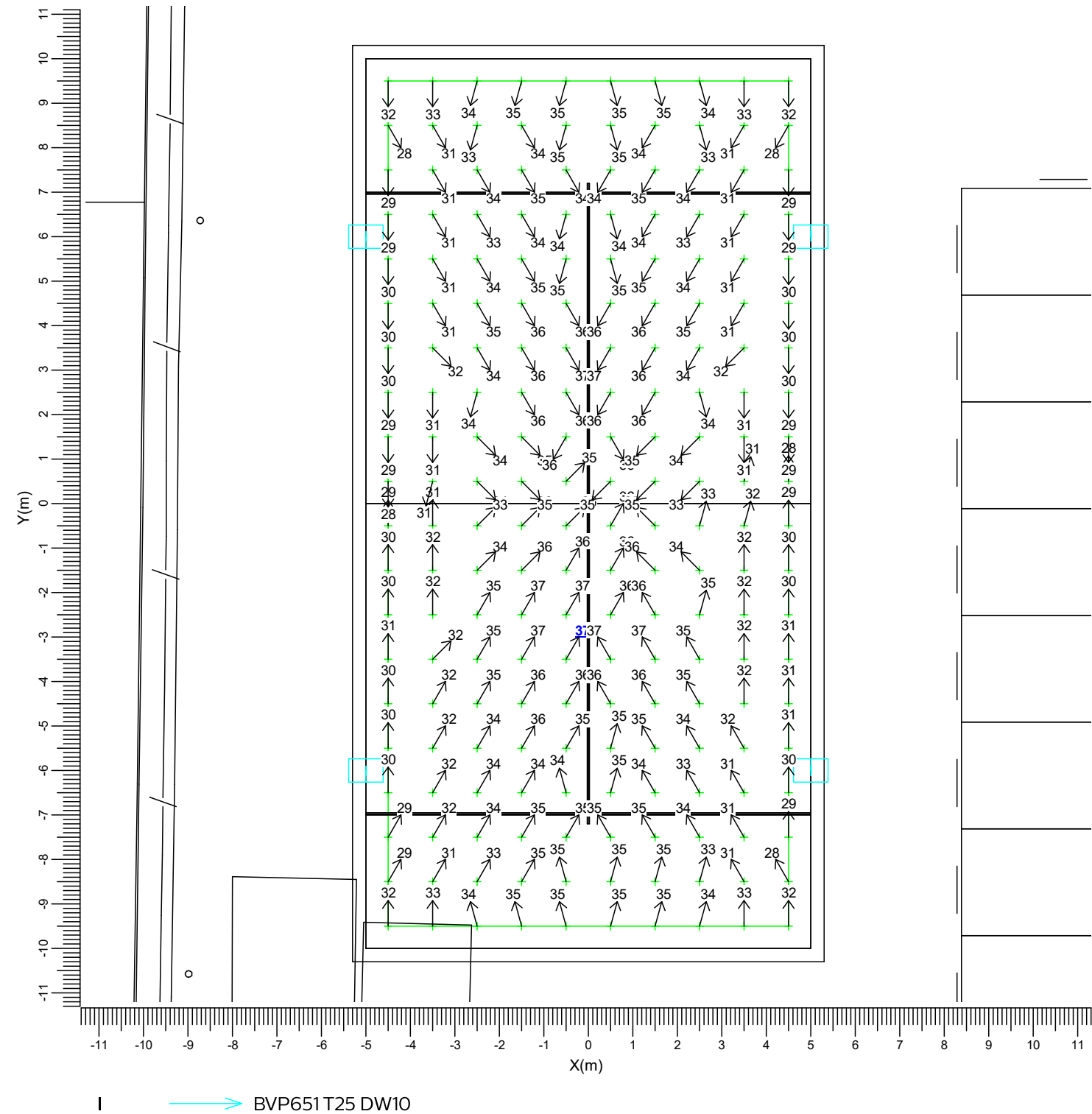
Project maintenance factor
0.95

Scale
1:125

3.2 Glare South 1.5: Graphical Table

Spillage

Grid of Observers : Padel South 1.5
Calculation : Glare Rating
Grid for Background Luminance: Padel South (Reflectance: 0.25)
Vertical Viewing Angle : -2.0 deg



Maximum
37.3

Project maintenance factor
1.00

Scale
1:125

3.3 Padel North: Graphical Table

North

Grid

Calculation

: Padel North at Z = -0.00 m

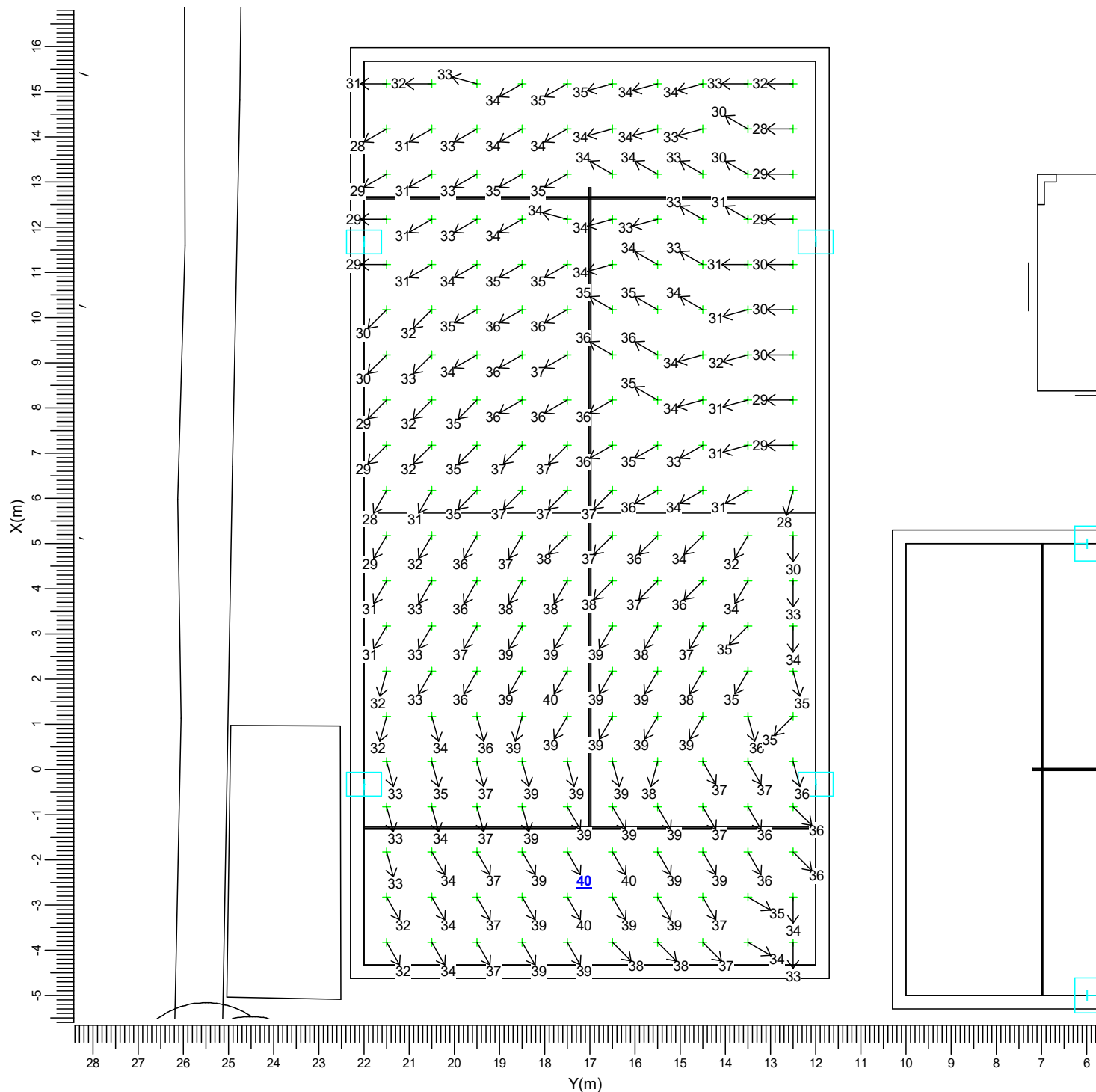
: Surface Illuminance (lux)



3.4 Glare North 1.5: Graphical Table

Spillage

Grid of Observers : Padel North 1.5
Calculation : Glare Rating
Grid for Background Luminance: Padel North (Reflectance: 0.25)
Vertical Viewing Angle : -2.0 deg



I → BVP651 T25 DW10

Maximum
39.8

Project maintenance factor
1.00

Scale
1:125

3.5 Spillage: Filled Iso Contour

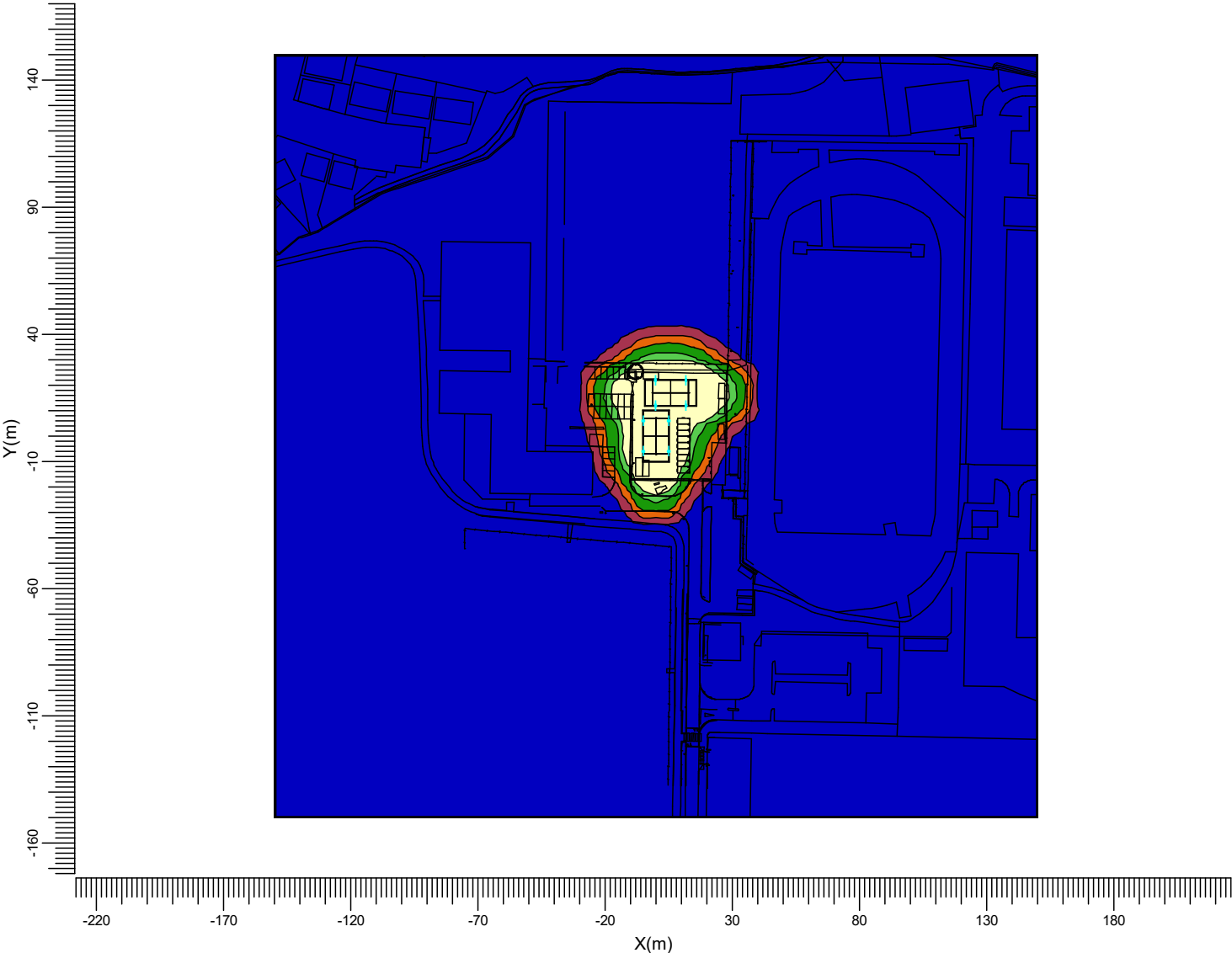
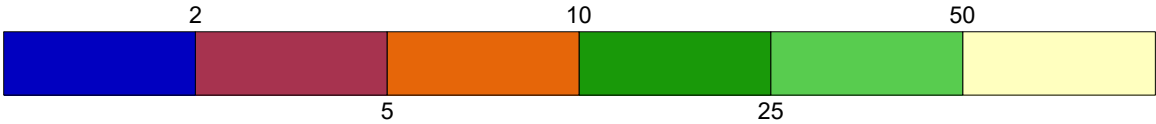
Spillage

Grid

Calculation

: Spillage at Z = -0.00 m

: Surface Illuminance (lux)



I

→ BVP651 T25 DW10

Average
5.69

Min/Ave
0.00

Min/Max
0.00

Project maintenance factor
1.00

Scale
1:2500

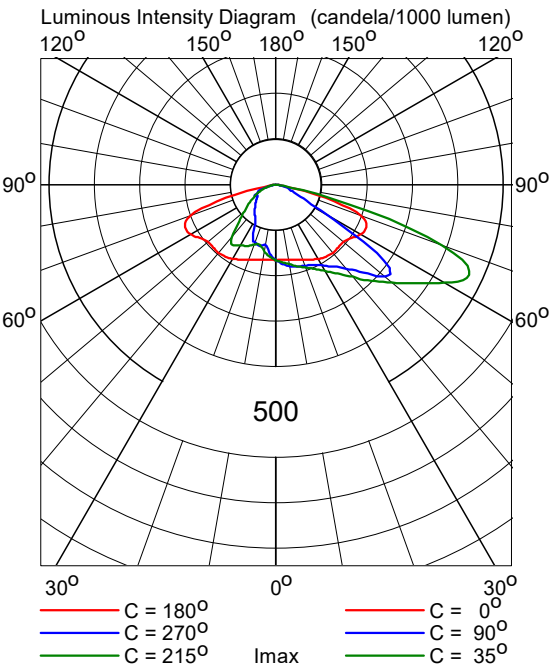
4. Luminaire Details

4.1 Project Luminaires

ClearFlood Large
BVP651T25 1 xLED800-4S/757 DW10



Light output ratios
DLOR : 0.83
ULOR : 0.00
TLOR : 0.83
Ballast : -
Lamp flux : 80000 lm
Luminaire wattage : 540.0 W
Measurement code : LVE16A7063



5. Installation Data

5.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
I	8	BVP651 T25 DW10	1 * LED800-4S/757	1 * 80000

Switching Modes:

Code	Switching Mode
1	Central
2	North
3	Spillage

5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Points			Aiming Angles			Switching Modes		
	X (m)	Y (m)	Z (m)	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0	1	2	3
1 * I	-5.00	-6.00	6.00	-5.00	-6.00	0.00	-0.0	0.0	-0.0	+	-	+
1 * I	-5.00	6.00	6.00	-5.00	6.00	0.00	0.0	0.0	0.0	+	-	+
1 * I	-0.32	12.00	6.00	-0.32	12.00	0.00	90.0	0.0	0.0	-	+	+
1 * I	-0.32	22.00	6.00	-0.32	22.00	0.00	-90.0	0.0	-0.0	-	+	+
1 * I	5.00	-6.00	6.00	5.00	-6.00	0.00	180.0	0.0	0.0	+	-	+
1 * I	5.00	6.00	6.00	5.00	6.00	0.00	180.0	0.0	-0.0	+	-	+
1 * I	11.68	12.00	6.00	11.68	12.00	0.00	90.0	0.0	-0.0	-	+	+
1 * I	11.68	22.00	6.00	11.68	22.00	0.00	-90.0	0.0	0.0	-	+	+