

Typical Muga 240v Version

Area Size 37m x 18.5m

Date: 30-01-2007

Designer: Highlights Floodlighting Ltd

Description: 8 No. Philips Optivision MVP507 1000w Luminaires
mounted on 4 No. 8m high lighting columns.

240v Supply Required

Maintenance Factor: 0.80

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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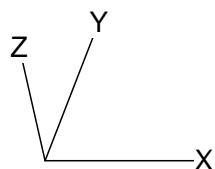
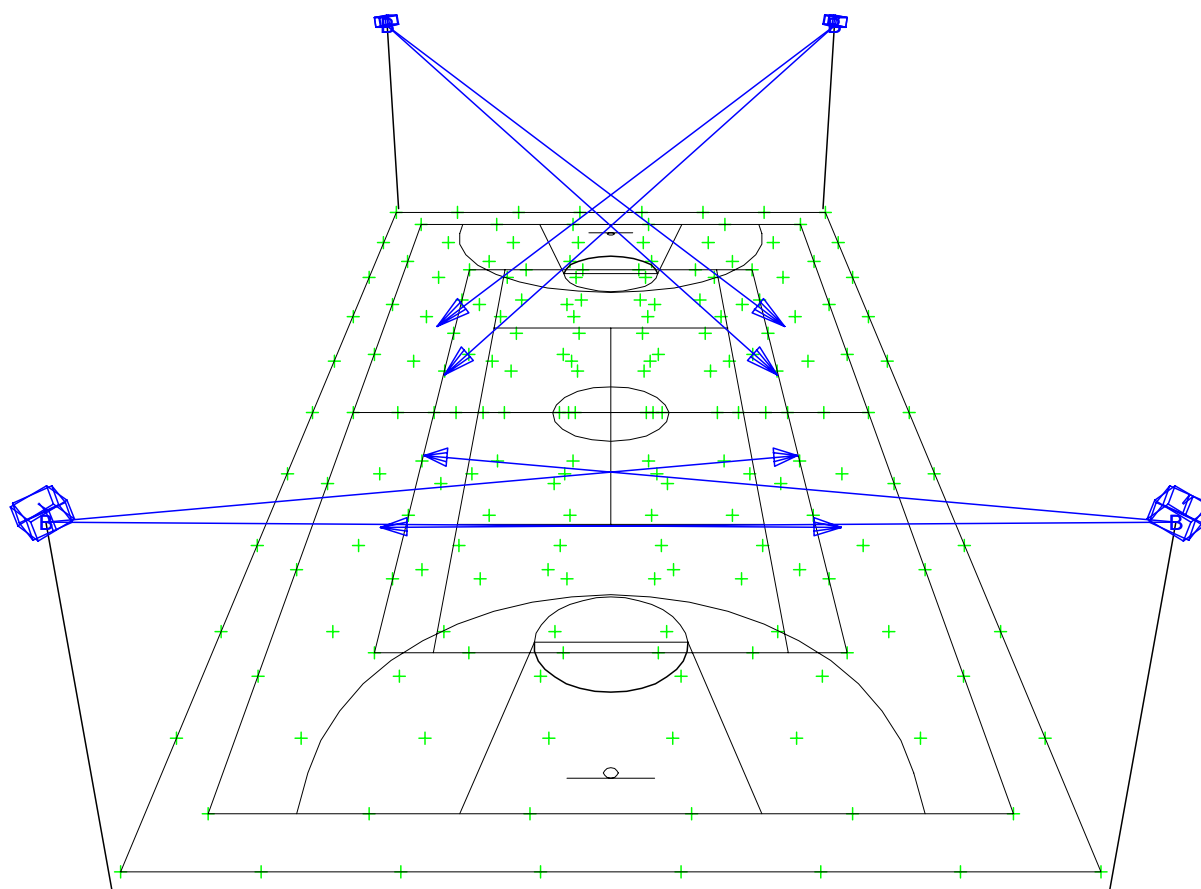
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1. Project Description

1.1 3-D Project Overview



B  MVP507 WB

2. Summary

2.1 General Information

The overall maintenance factor used for this project is 0.80.

2.2 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
B	8	MVP507 WB	1 * MHN-LA1000W/842	1105.0	1 * 100000

The total installed power: 8.84 (kWatt)

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
Corner Columns	B 8	8.84

2.3 Calculation Results

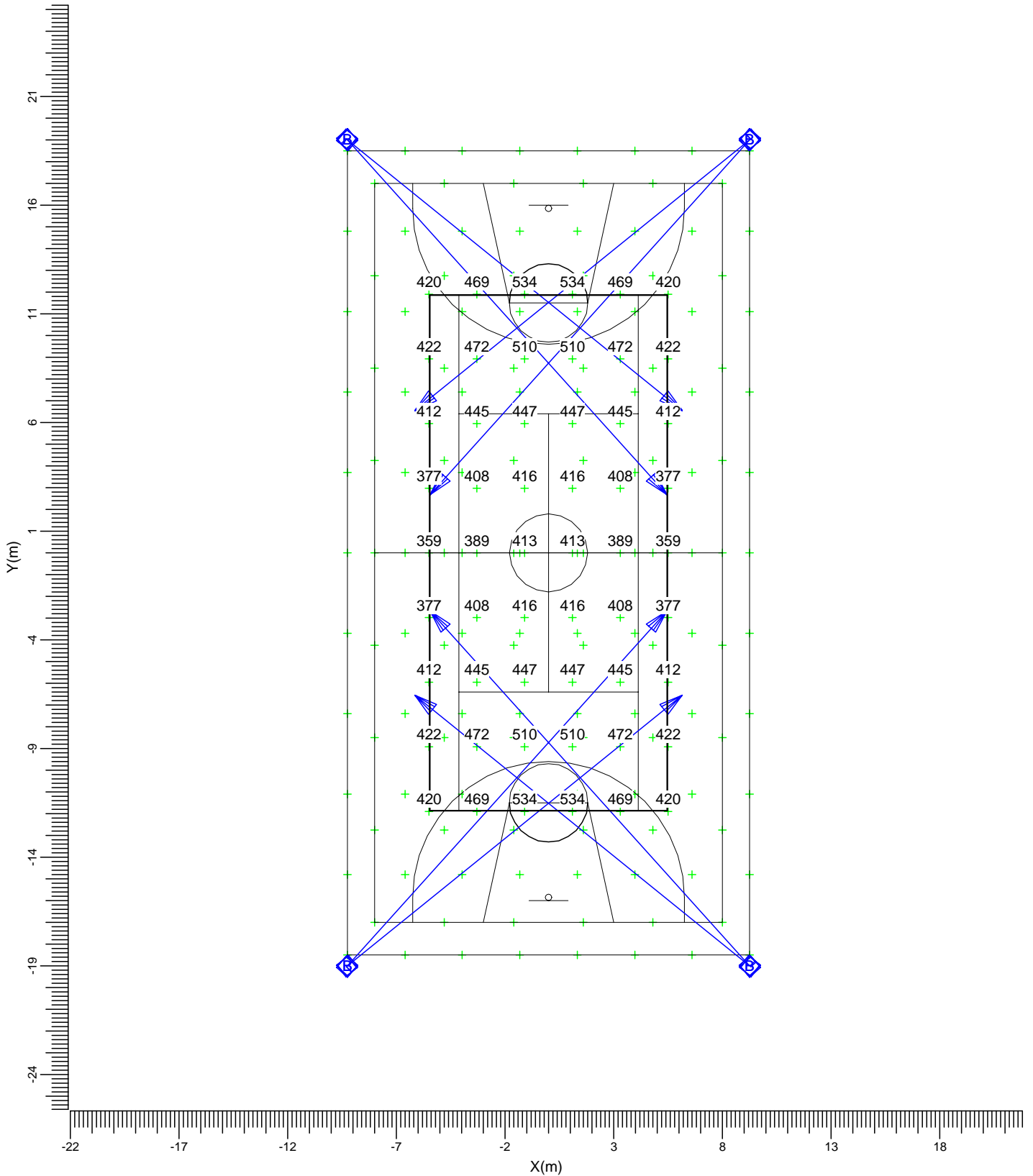
(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min/Ave	Min/Max
Tennis	Surface Illuminance	lux	438	0.82	0.67
Basketball	Surface Illuminance	lux	404	0.75	0.59
Multi Purpose Area	Surface Illuminance	lux	381	0.65	0.47

3. Calculation Results

3.1 Tennis: Graphical Table

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



B ———> MVP507 WB

Average
438

Min/Ave
0.82

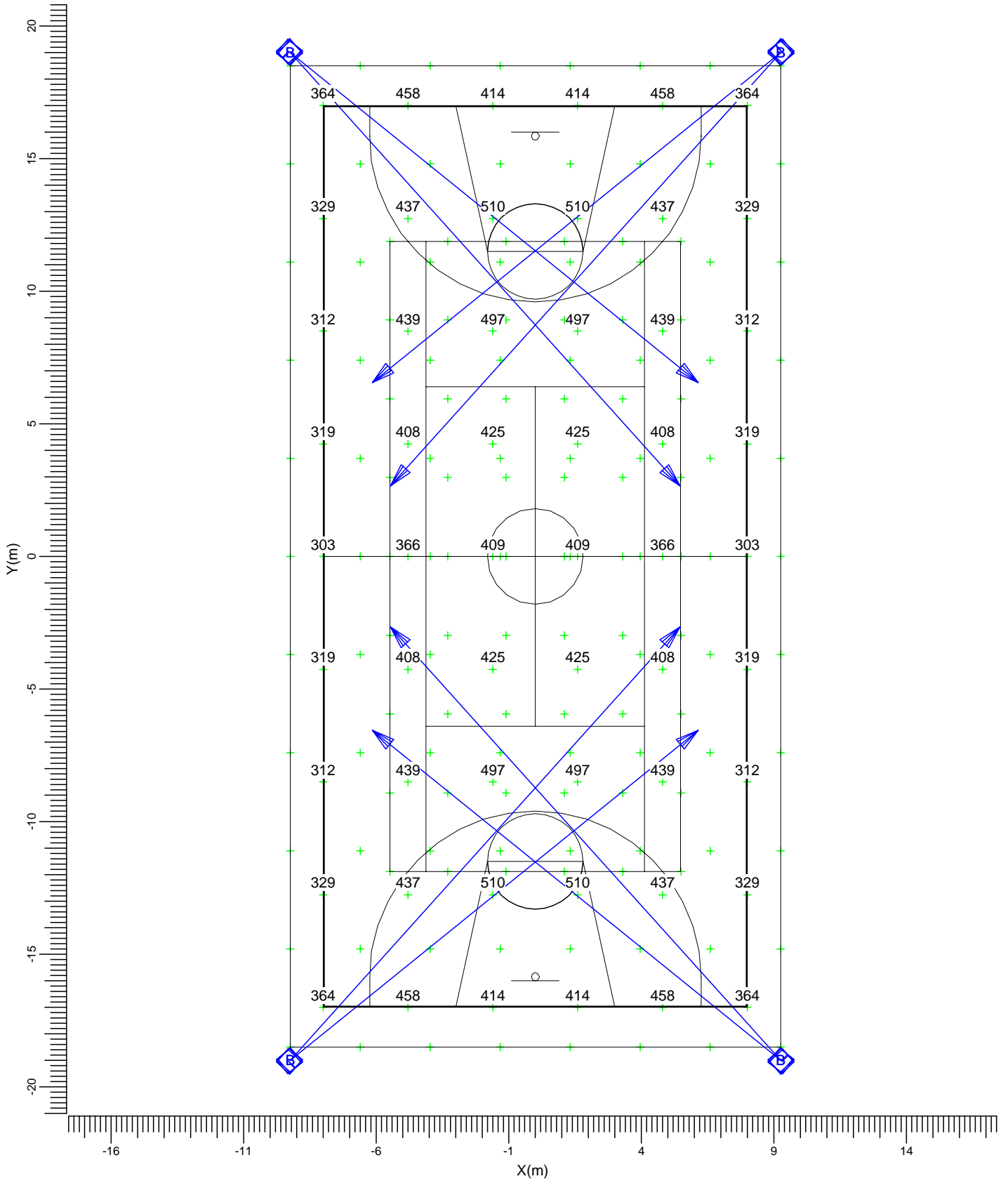
Min/Max
0.67

Project maintenance factor
0.80

Scale
1:250

3.2 Basketball: Graphical Table

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



B ———> MVP507 WB

Average
404

Min/Ave
0.75

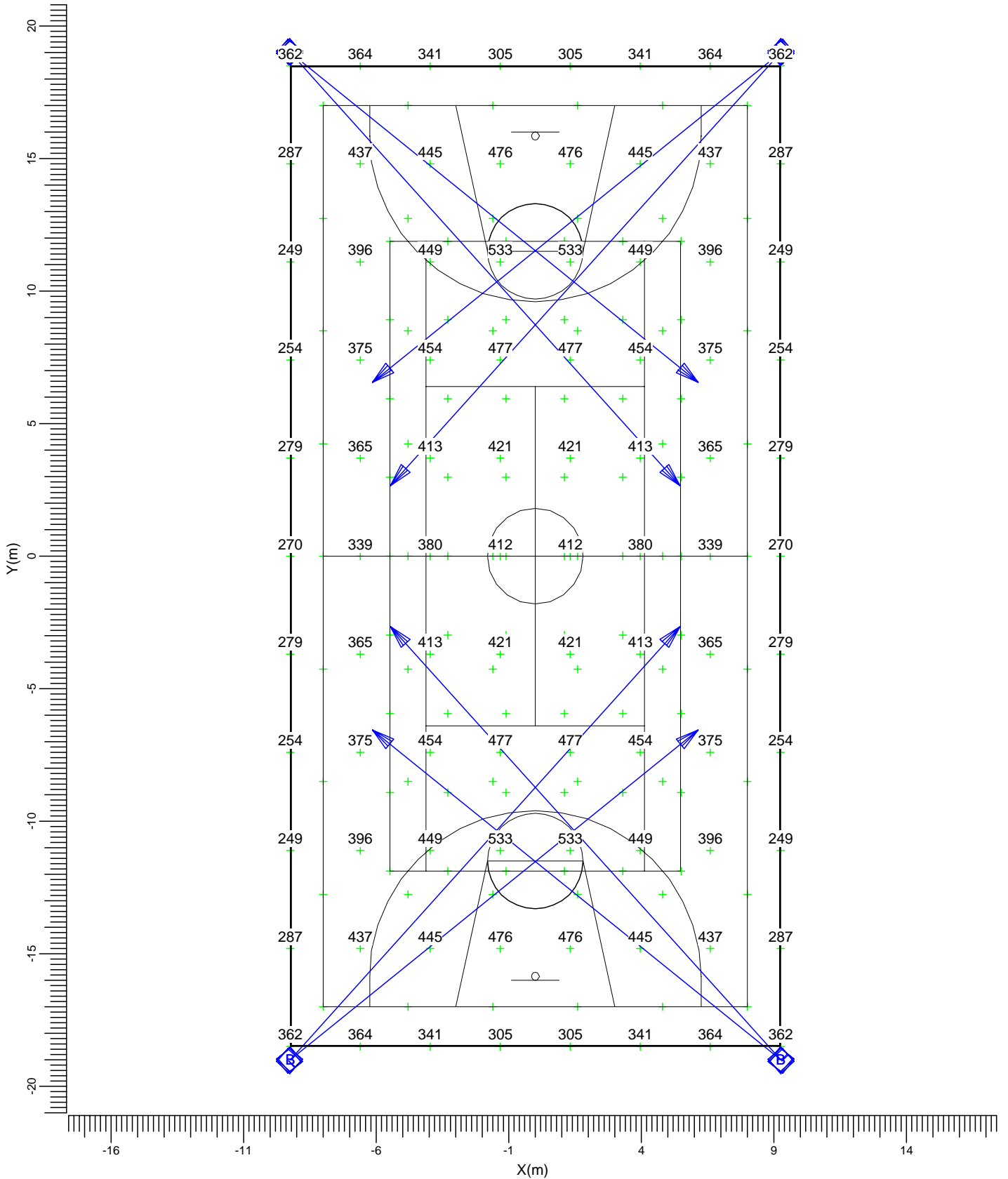
Min/Max
0.59

Project maintenance factor
0.80

Scale
1:200

3.3 Multi Purpose Area: Graphical Table

Grid : Multi Purpose Area at Z = 0.00 m
Calculation : Surface Illuminance (lux)



B  MVP507 WB

Average
381

Min/Ave
0.65

Min/Max
0.47

Project maintenance factor
0.80

Scale
1:200

4. Luminaire Details

4.1 Project Luminaires

MVP507 WB 1xMHN-LA1000W/842



Light output ratios	
DLOR	: 0.80
ULOR	: 0.00
TLOR	: 0.80
Ballast	: Standard
Lamp flux	: 100000 lm
Luminaire wattage	: 1105.0 W
Measurement code	: LVMA112900

