

Multi User Games Area 350 Lux

Area Size 37m x 18.5m

Date: 04-03-2006

Designer: Highlights Floodlighting Ltd

Description: 350 Lux design achieved using:

8 No. Philips Optivision MVP507 1000w Luminaires
mounted on 4 No. 10m high Lighting Columns

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.

Highlights Floodlighting Ltd

Newbury House

1 London Road

Luton

Bedfordshire

LU1 3UE

Telephone: 01582 730729

Fax: 01582 726658

Mobile Phone: 07885 672722

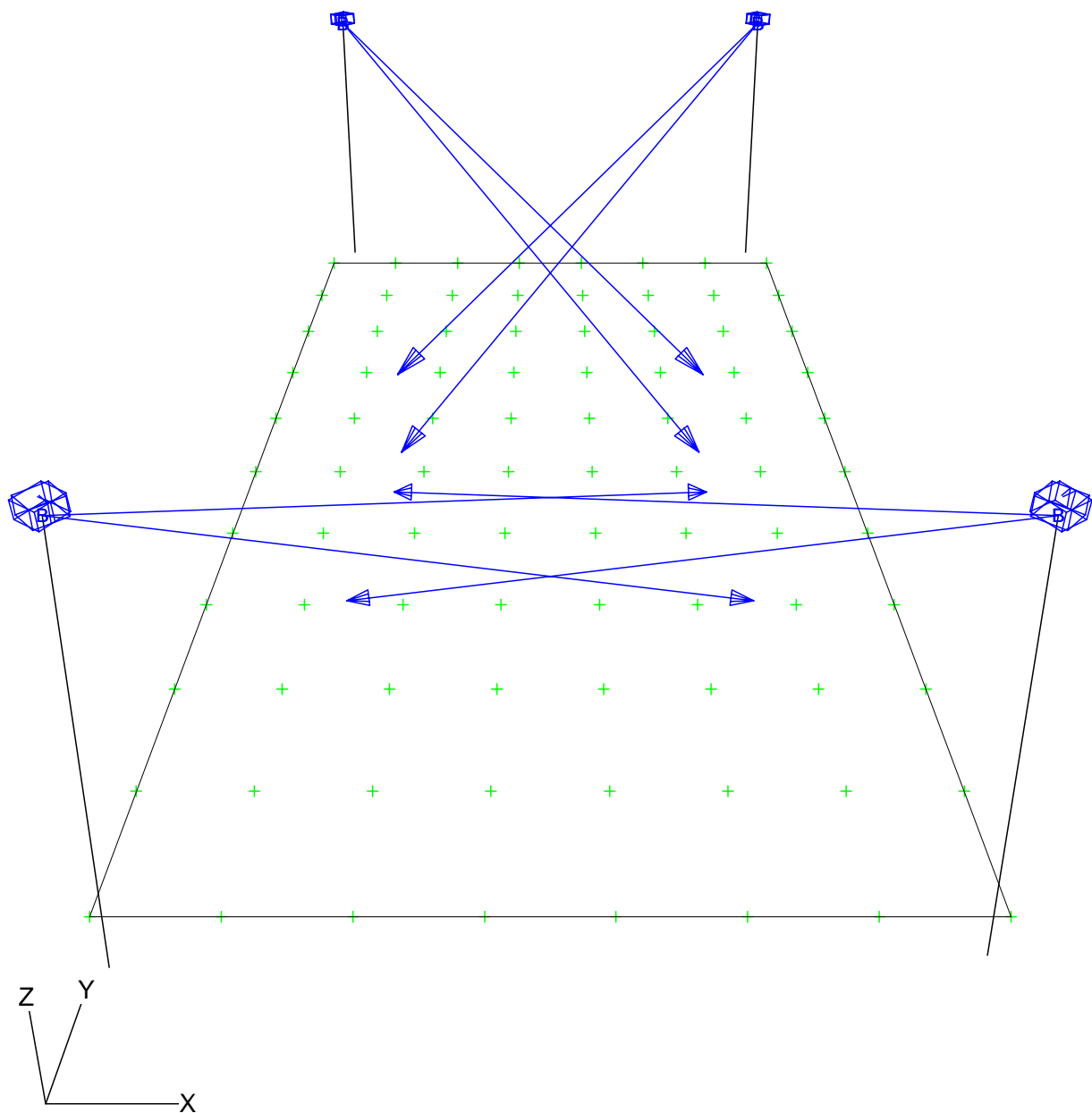
E-Mail: schemes@highlights.co.uk

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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)
Point	B 8	8.84

2.3 Calculation Results

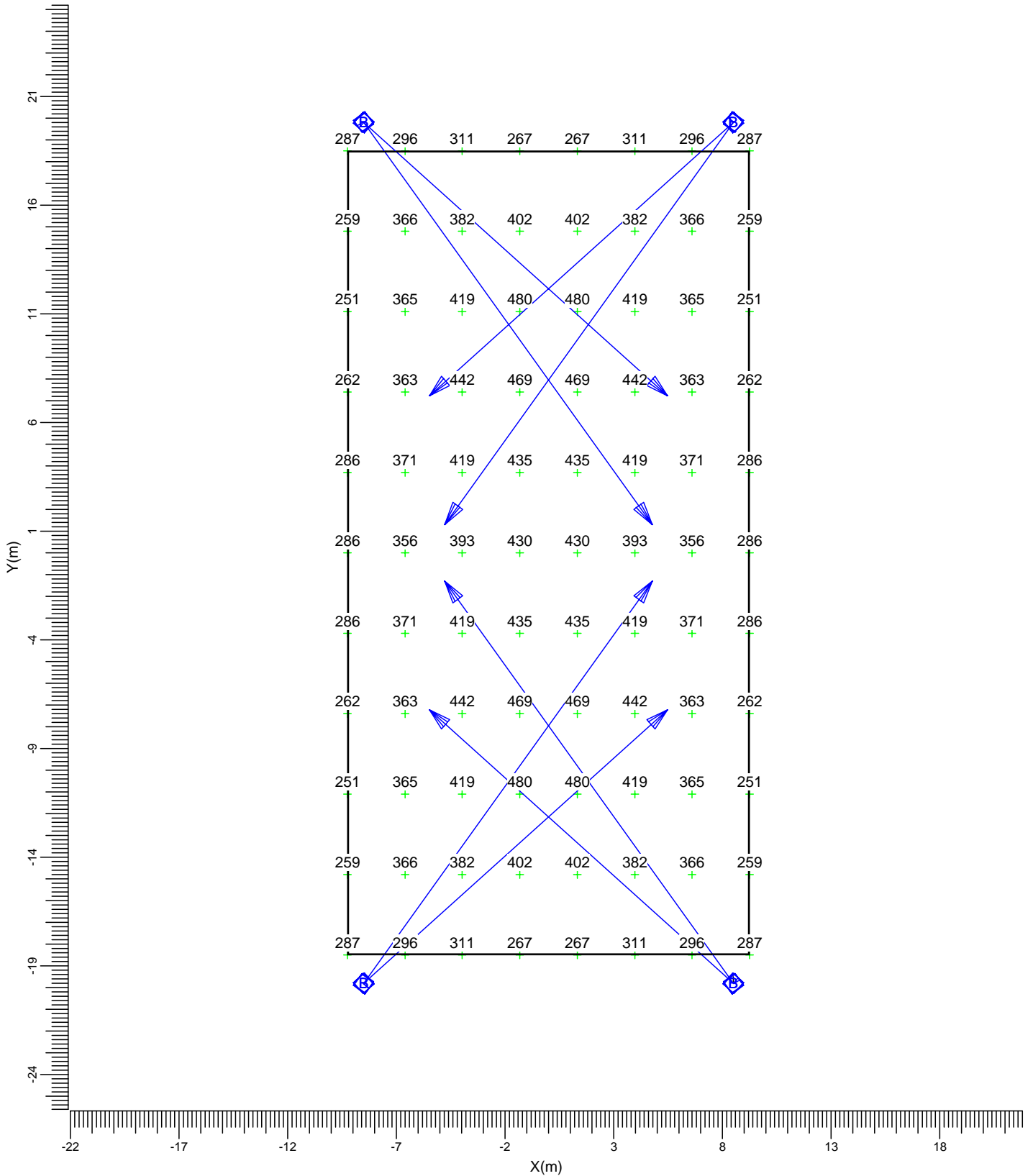
(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min/Ave	Min/Max
Multi Purpose Area	Surface Illuminance	lux	357	0.70	0.52

3. Calculation Results

3.1 Multi Purpose Area: Graphical Table

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



B MVP507 WB

Average
357

Min/Ave
0.70

Min/Max
0.52

Project maintenance factor
0.80

Scale
1:250

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

