

Estádio S. João de Brito

Campos de treino

Date: 02-07-2021

Designer: Signify



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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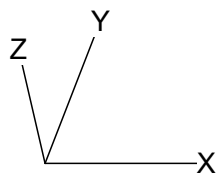
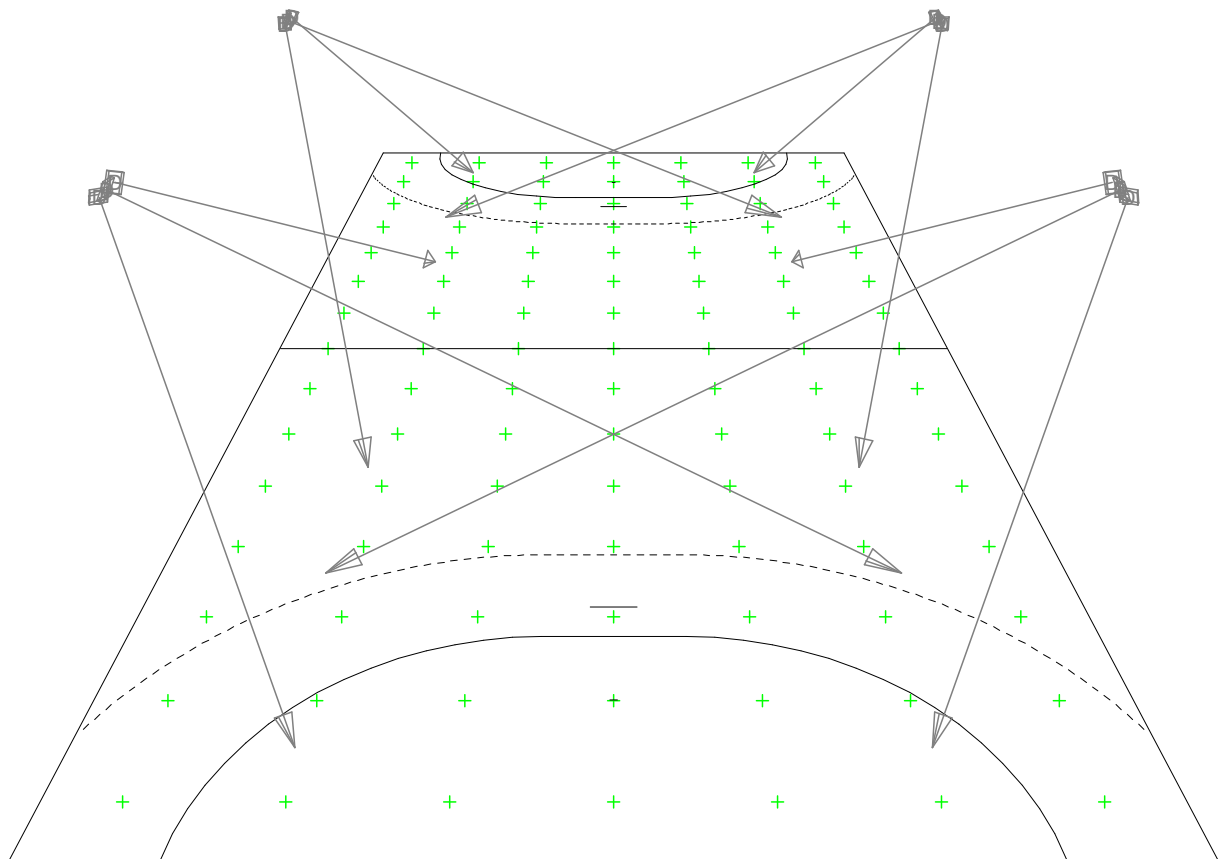
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1. Project Description

1.1 Description

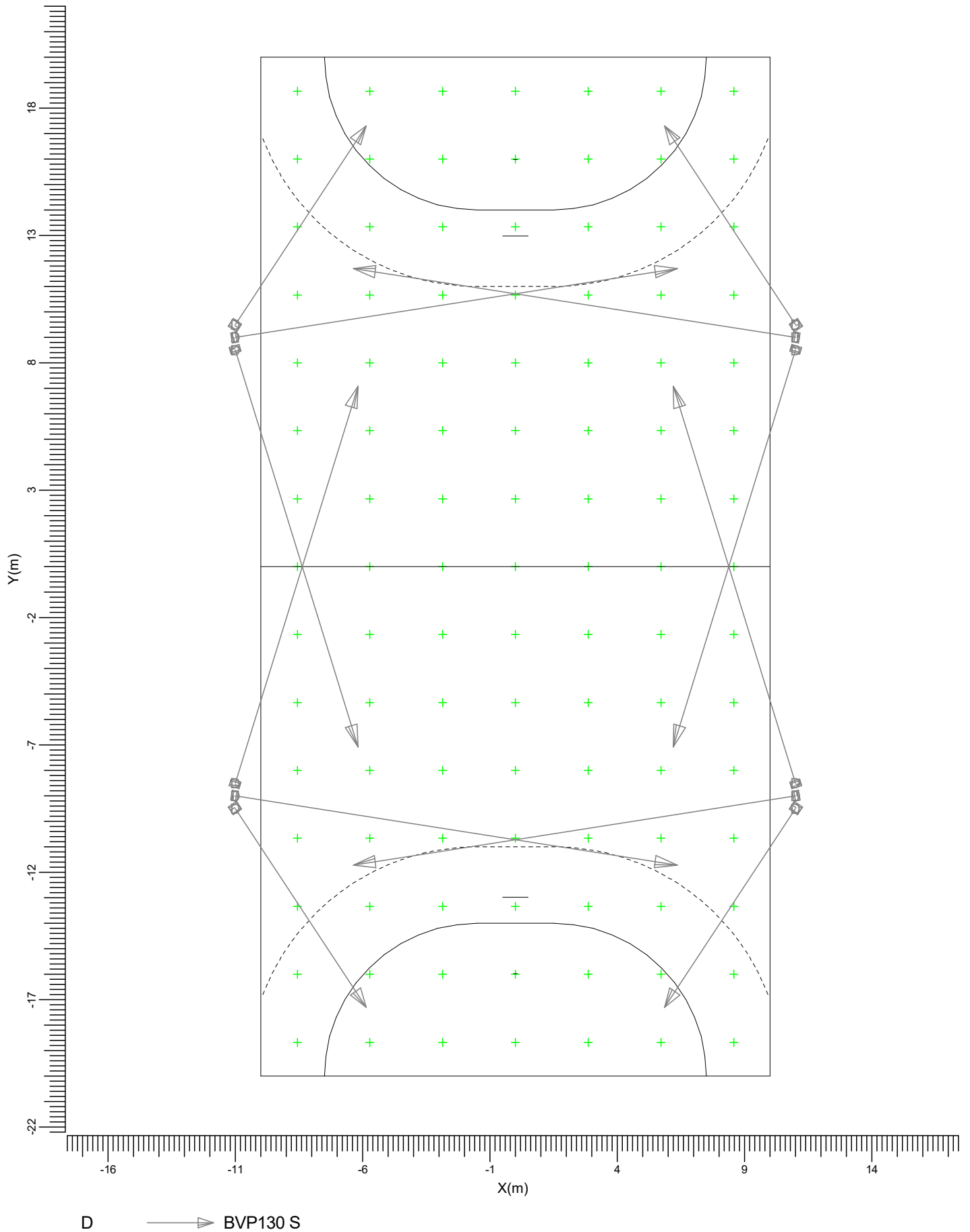
Campos de treino
Dimensão : 40x20 mt
4 colunas de 8 mts existentes

1.2 3-D Project Overview



D  BVP130 S

1.3 Top Project Overview



Scale
1:200

2. Summary

2.1 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
D	12	BVP130 S	1 * LED260-4S/740	217.0	1 * 26000

The total installed power: 2.60 (kWatt)

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	D	
Block	4	0.87
Block1	4	0.87
Block2	4	0.87

2.2 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min/Ave	Min/Max
Handball	Surface Illuminance	lux	175	0.81	0.53

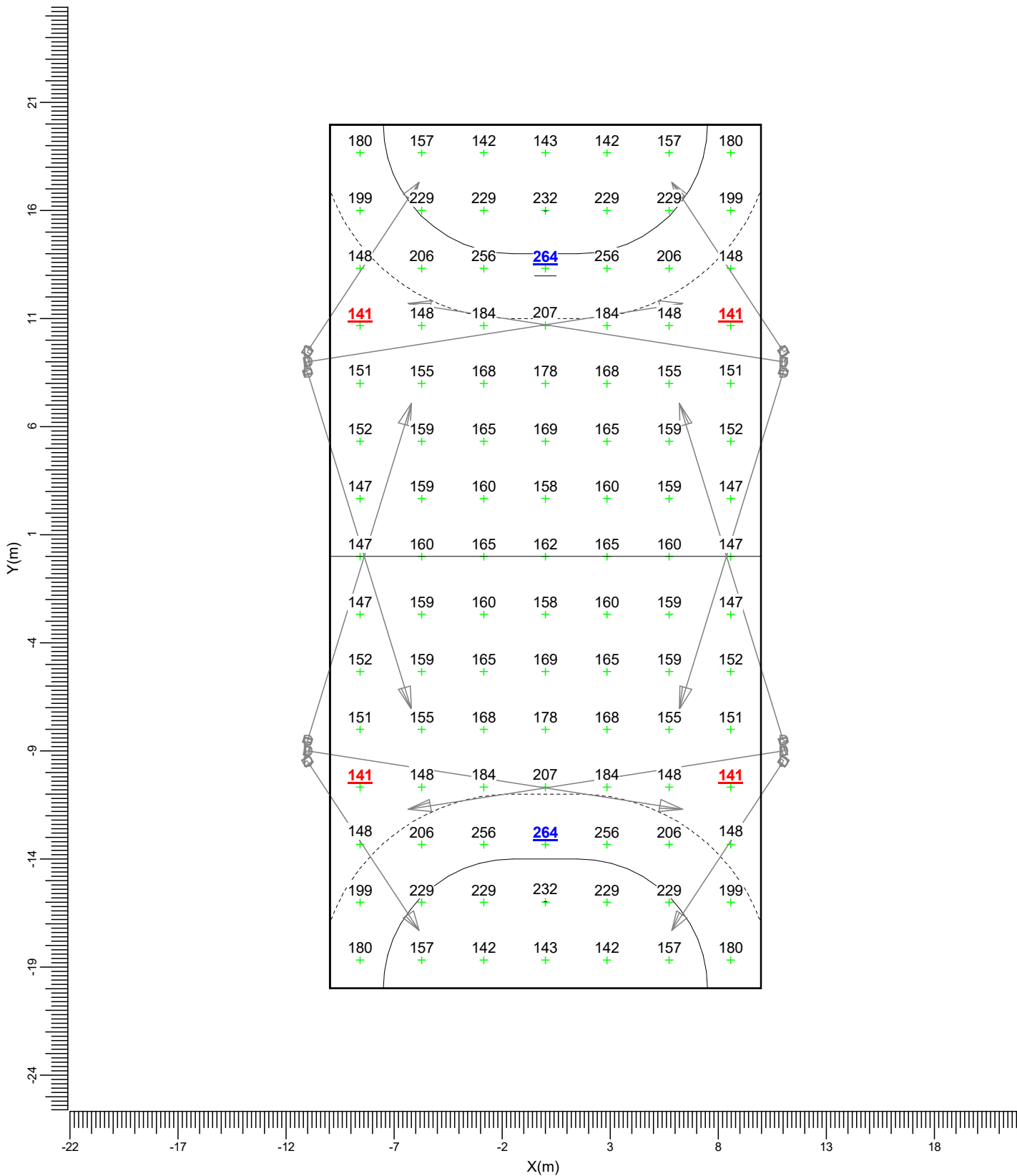
Glare Rating for Grid of Observers:

Calculation	Observer Grid	Reference Grid	Reflectance	GR-Max
GR	Handball	Handball	0.25	36.9

3. Calculation Results

3.1 Handball: Graphical Table

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



D —> BVP130 S

Average
175

Min/Ave
0.81

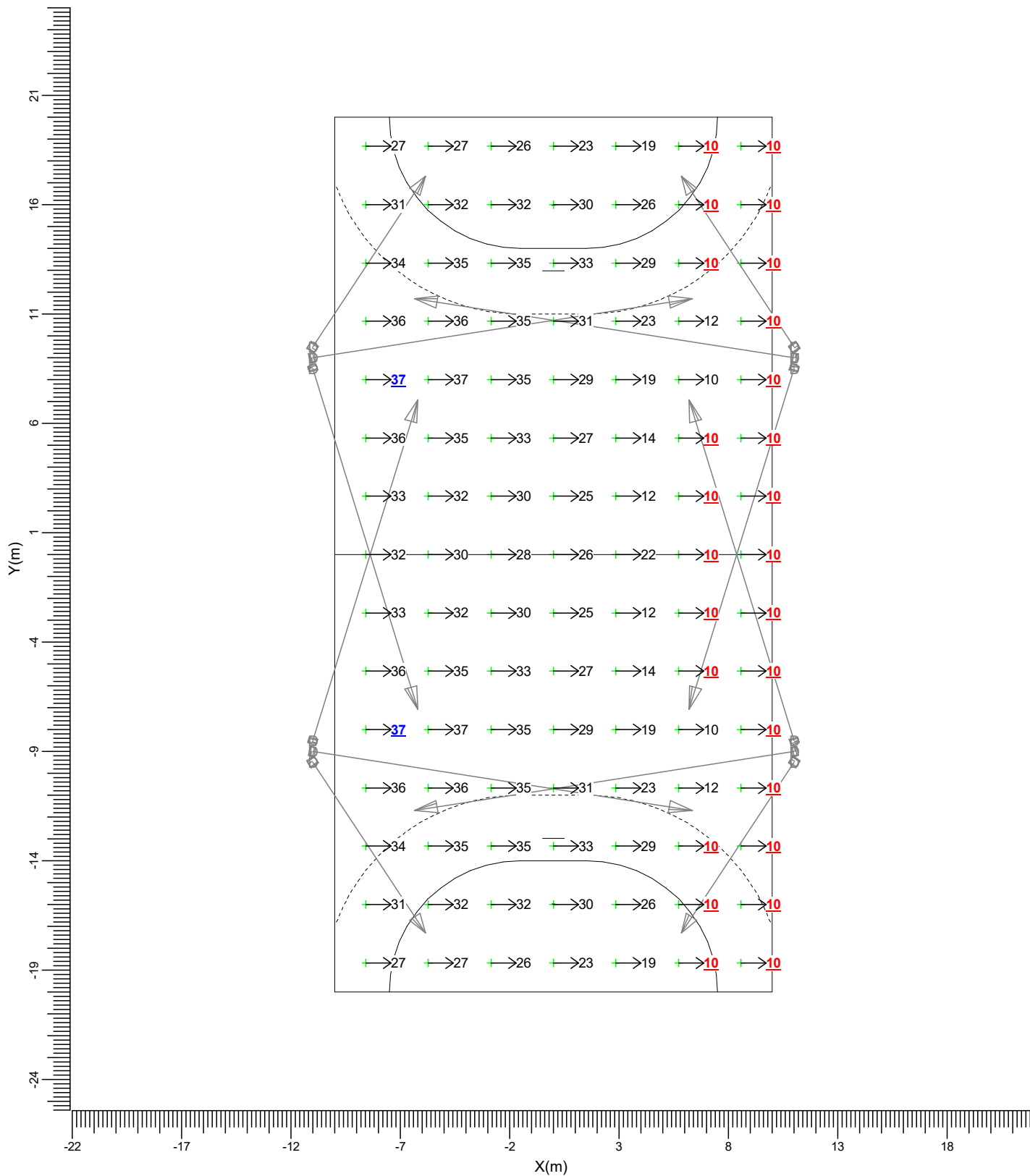
Min/Max
0.53

Project maintenance factor
0.90

Scale
1:250

3.2 GR: Graphical Table

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



D ———> BVP130 S

Project maintenance factor
0.90

Scale
1:250

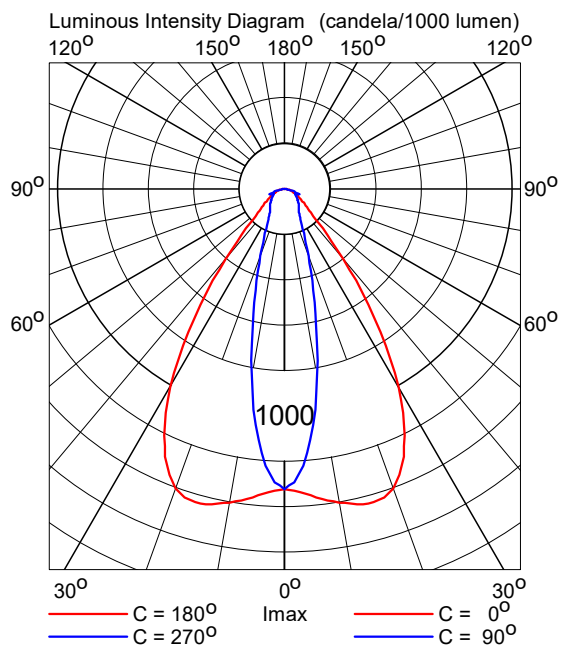
4. Luminaire Details

4.1 Project Luminaires

Coreline tempo large
BVP130 1 xLED260-4S/740 S



Light output ratios
 DLOR : 1.00
 ULOR : 0.00
 TLOR : 1.00
 Ballast : -
 Lamp flux : 26000 lm
 Luminaire wattage : 217.0 W
 Measurement code : LVA1607043



5. Installation Data

5.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
D	12	BVP130 S	1 * LED260-4S/740	1 * 26000

5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * D	-11.00	-9.50	8.00	-56.6	49.4	0.0
1 * D	-11.00	-9.00	8.00	-8.9	65.5	0.0
1 * D	-11.00	-8.50	8.00	72.8	63.9	0.0
1 * D	-11.00	8.50	8.00	-72.8	63.9	0.0
1 * D	-11.00	9.00	8.00	8.9	65.5	0.0
1 * D	-11.00	9.50	8.00	56.6	49.4	0.0
1 * D	11.00	-9.50	8.00	-123.4	49.4	0.0
1 * D	11.00	-9.00	8.00	-171.1	65.5	0.0
1 * D	11.00	-8.50	8.00	107.2	63.9	0.0
1 * D	11.00	8.50	8.00	-107.2	63.9	0.0
1 * D	11.00	9.00	8.00	171.1	65.5	0.0
1 * D	11.00	9.50	8.00	123.4	49.4	0.0