

# Estadio S. João de Brito

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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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# 1. Project Description

## 1.1 Description

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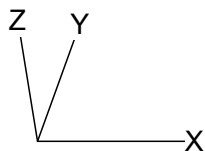
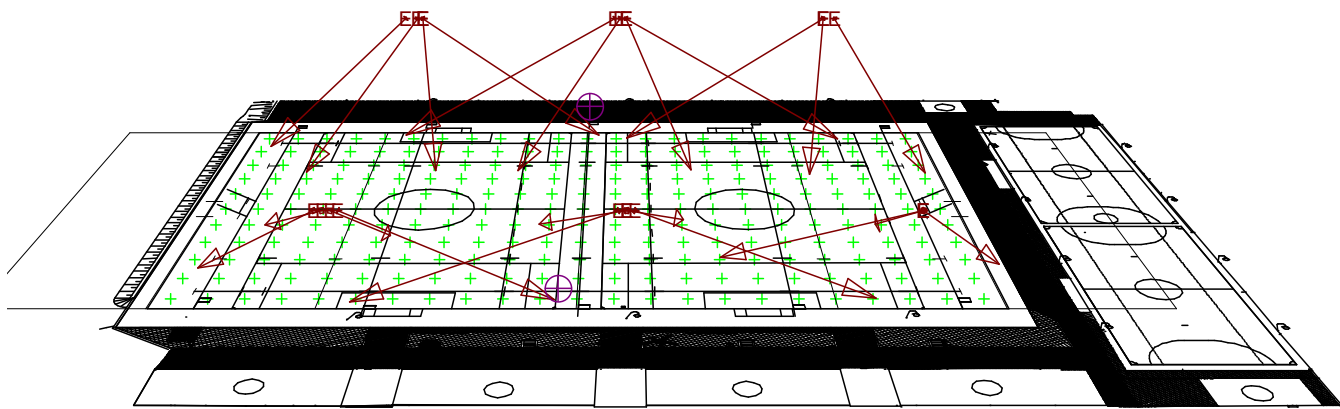
Campo de Rubgy com as dimensões de 112 x64mt

Iluminação a instalar nas 6 colunas de 16 metros existentes

Calculos de acordo com a norma UNE-EN 12193:2020

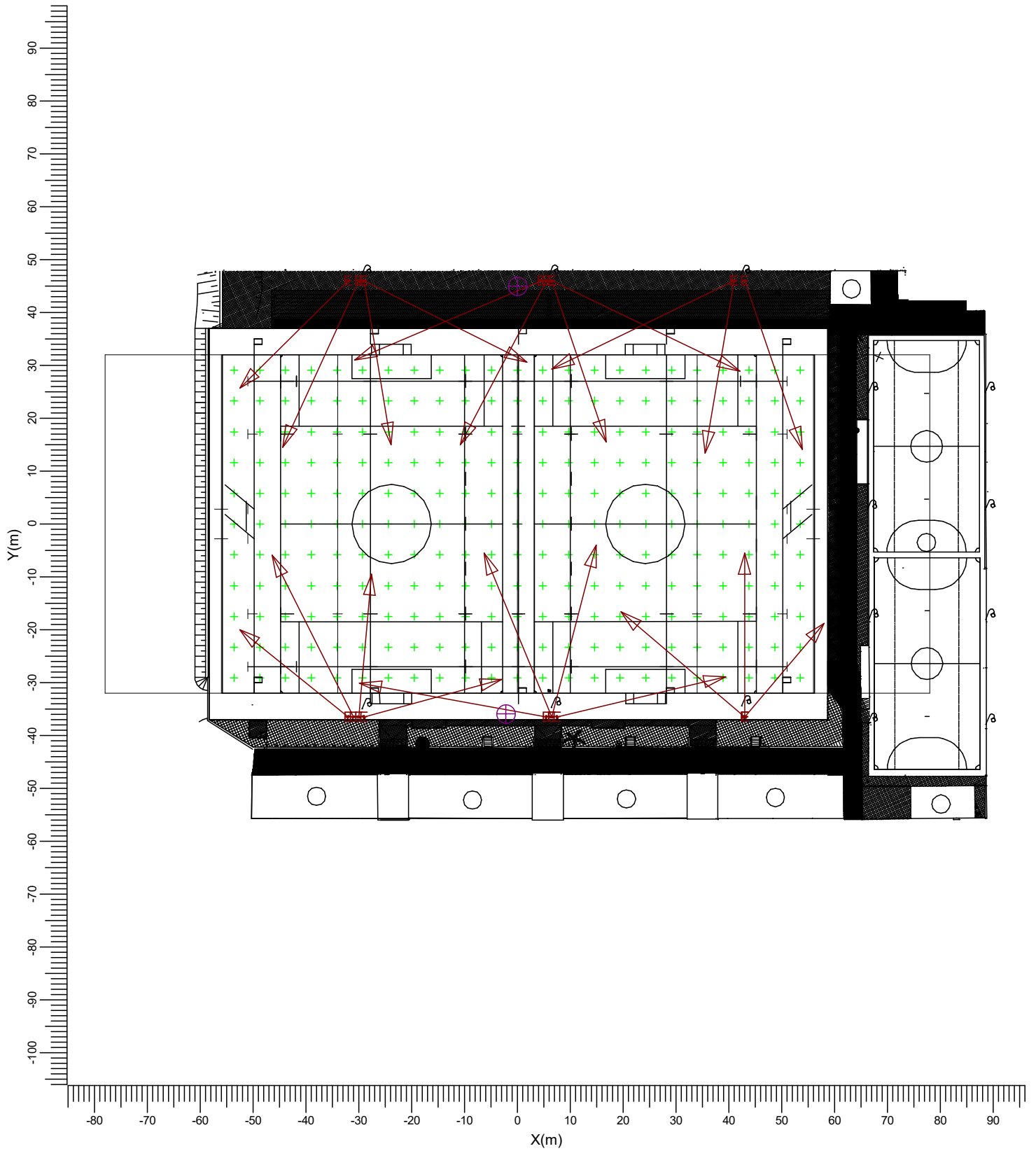
Classe de iluminação : II

## 1.2 3-D Project Overview



E       BVP528 S8/5

### 1.3 Top Project Overview



E  BVP528 S8/5

Scale  
1:1000

## 2. Summary

### 2.1 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
E	22	BVP528 S8/5	1 * LED2040/757 OUT T35 50K	1340.0	1 * 204800

The total installed power: 29.48 (kWatt)

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	E	
Block15	1	1.34
Block16	1	1.34
Block17	1	1.34
Block19	1	1.34
Block2	1	1.34
Block20	1	1.34
Block24	1	1.34
Block25	1	1.34
Block27	1	1.34
Block28	1	1.34
Block3	1	1.34
Block32	1	1.34
Block33	1	1.34
Block36	1	1.34
Block37	1	1.34
Block38	1	1.34
Block39	1	1.34
Block4	1	1.34
Block40	1	1.34
Block41	1	1.34
Block5	1	1.34
Block6	1	1.34

### 2.2 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min/Ave	Min/Max
Rugby	Surface Illuminance	lux	250	0.63	0.42

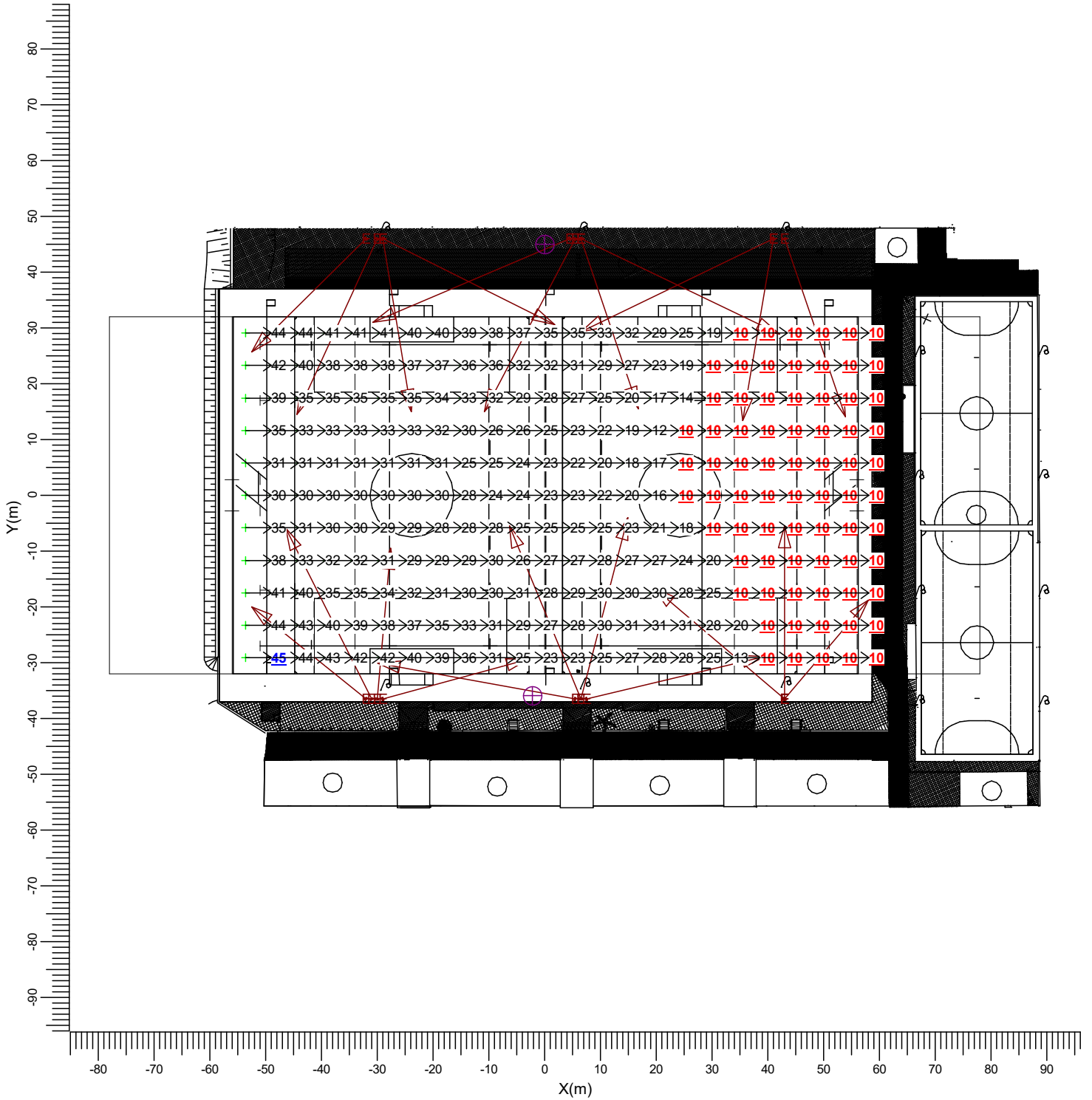
Glare Rating for Grid of Observers:

Calculation	Observer Grid	Reference Grid	Reflectance	GR-Max
GR	Rugby	Rugby	0.25	44.6



3.2 GR: Graphical Table

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



E BVP528 S8/5

Project maintenance factor  
0.90

Scale  
1:1000



## 4. Luminaire Details

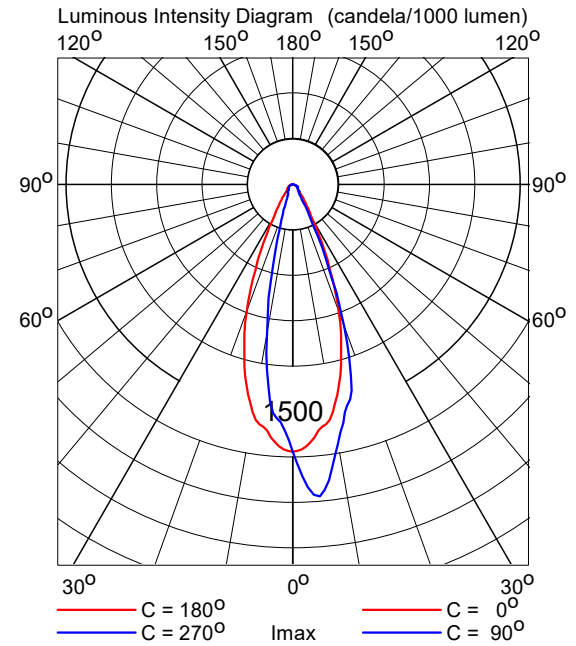
### 4.1 Project Luminaires

BVP528 S8 1xLED2040/757 OUT T35 50K

Light output ratios

DLOR	: 0.88
ULOR	: 0.00
TLOR	: 0.88
Ballast	: N/A
Lamp flux	: 204800 lm
Luminaire wattage	: 1340.0 W
Measurement code	: LVA2006017

Note: Luminaire data not from database.



## 5. Installation Data

### 5.1 Legends

Project Luminaires:

Code	Qty Luminaire Type	Lamp Type	Flux (lm)
E	22 BVP528 S8/5	1 * LED2040/757 OUT T35 50K	1 * 204800

### 5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * E	-32.00	-36.50	16.00	141.1	58.6	0.0
1 * E	-32.00	46.00	16.00	-135.3	61.0	0.0
1 * E	-31.00	-36.50	16.00	116.7	65.0	0.0
1 * E	-30.00	-36.50	16.00	84.8	59.5	0.0
1 * E	-30.00	46.00	16.00	-114.5	65.2	0.0
1 * E	-29.00	-36.50	16.00	15.4	59.4	0.0
1 * E	-29.00	46.00	16.00	-26.4	65.1	0.0
1 * E	-29.00	46.00	16.00	-80.6	63.0	0.0
1 * E	4.50	46.00	16.00	-157.0	67.3	0.0
1 * E	5.50	-36.50	16.00	169.7	66.0	0.0
1 * E	5.50	46.00	16.00	-117.7	65.5	0.0
1 * E	6.50	-36.50	16.00	75.4	64.6	0.0
1 * E	6.50	-36.50	16.00	112.4	64.5	0.0
1 * E	6.50	46.00	16.00	-25.6	67.9	0.0
1 * E	6.50	46.00	16.00	-71.3	63.6	0.0
1 * E	7.50	-36.50	16.00	13.4	64.0	0.0
1 * E	41.00	46.00	16.00	-99.5	64.2	0.0
1 * E	41.00	46.00	16.00	-154.1	67.3	0.0
1 * E	43.00	-36.50	16.00	139.6	62.5	0.0
1 * E	43.00	-36.50	16.00	89.9	62.8	0.0
1 * E	43.00	-36.50	16.00	49.6	55.5	0.0
1 * E	43.00	46.00	16.00	-71.0	64.6	0.0