

Plenobrás

Sambódromo

Project code: 50066o10
Date: 24-03-2005

Designer: Eng Adriano Genistretti

Description: Área de Concentração

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.

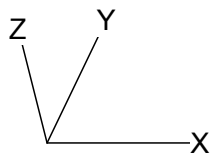
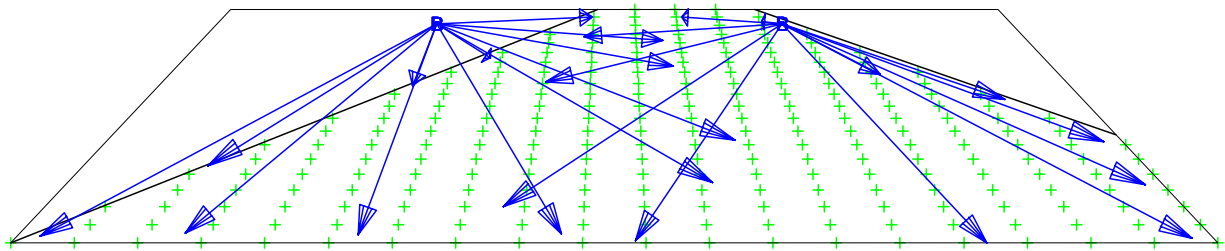
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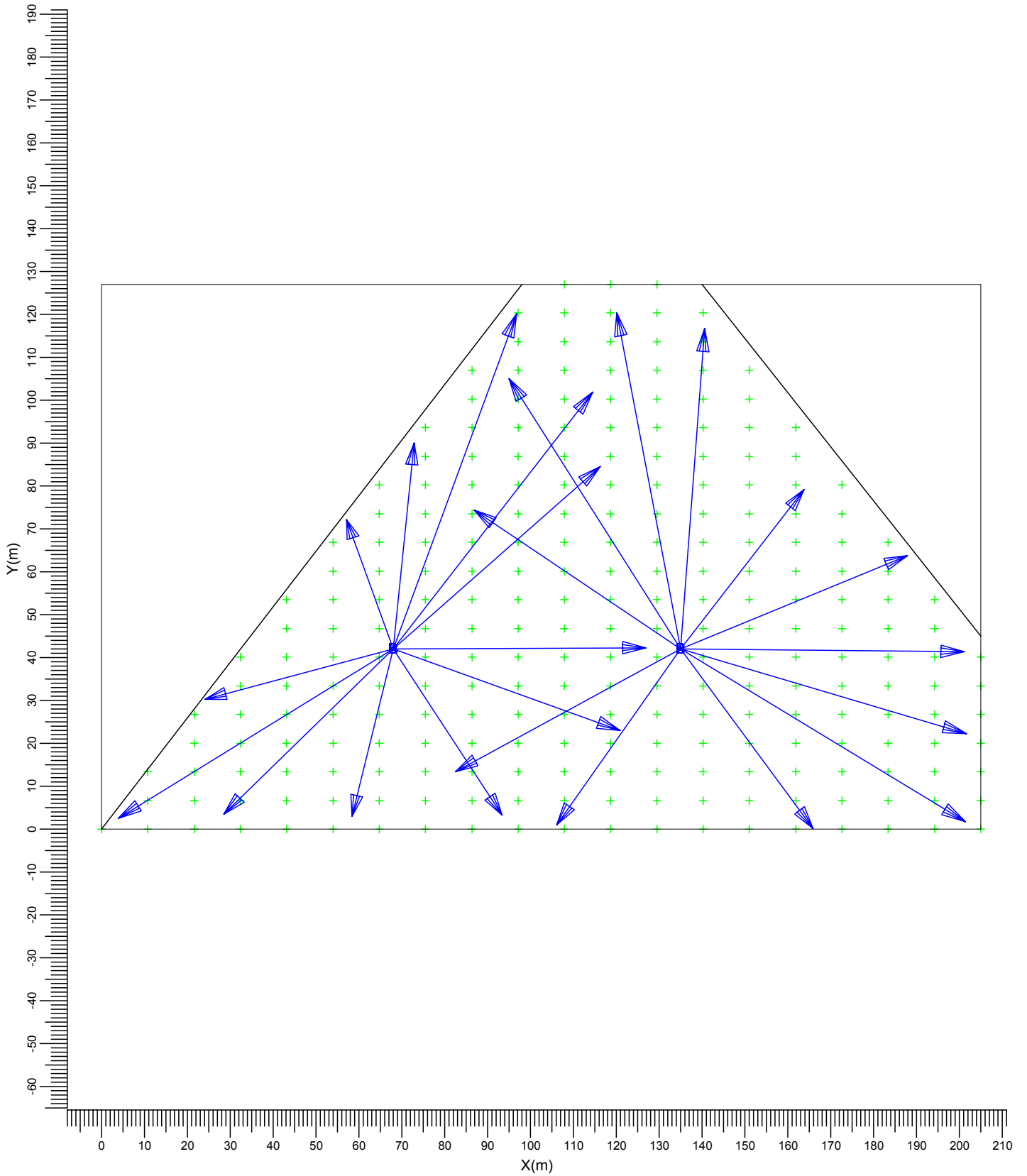
1. Project Description


1.1 3-D Project Overview



B  SLS 1500-158

1.2 Top Project Overview



B  SLS 1500-158

Scale
1:1250

2. Summary

2.1 General Information

The overall maintenance factor used for this project is 0.85.

2.2 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
B	24	SLS 1500-158	1 * MH 1500	1610.0	1 * 142000

The total installed power: 38.64 (kWatt)

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	B	
Point	12	19.32
Point1	12	19.32

2.3 Calculation Results

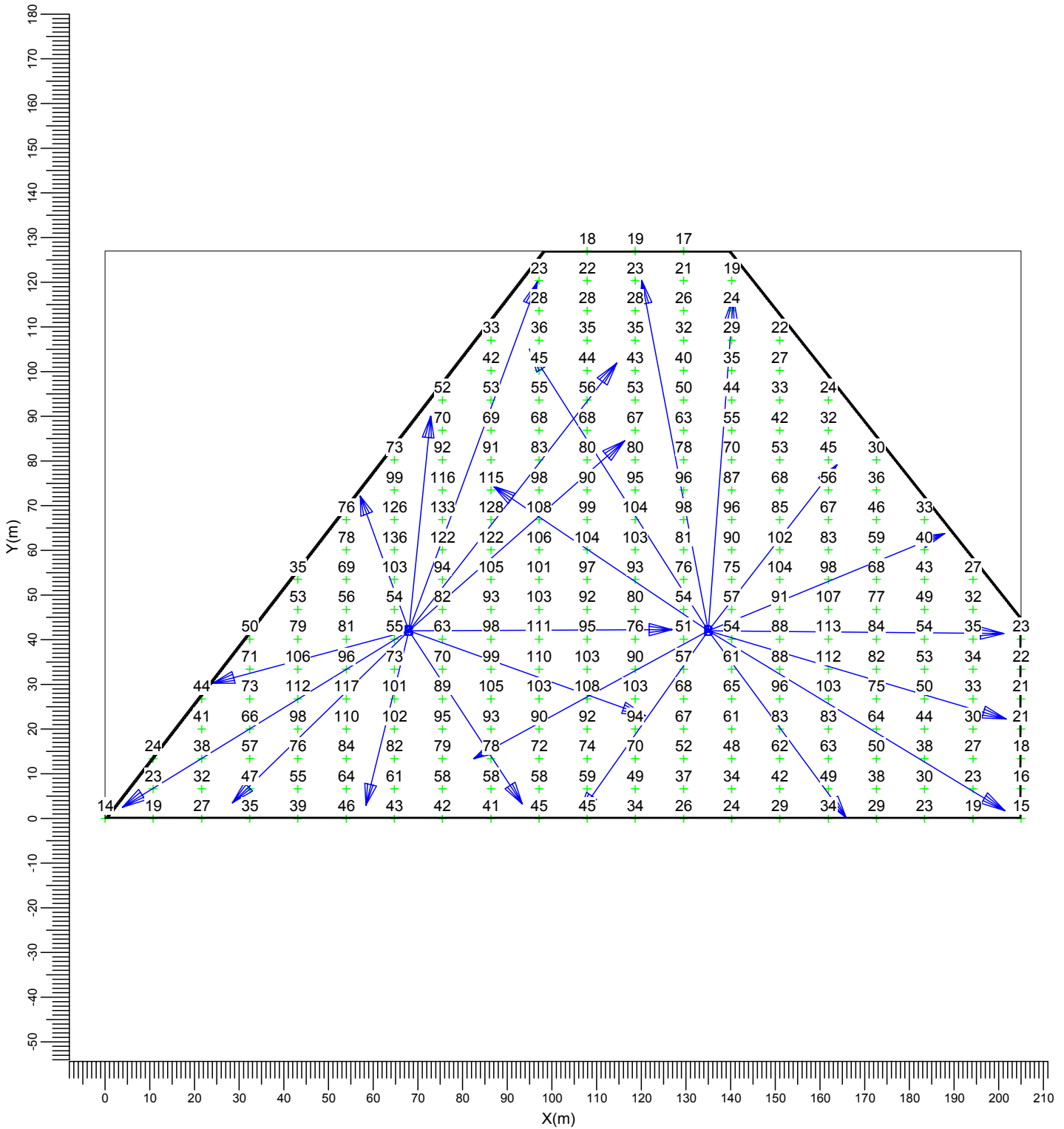
(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min	Max	Min/Ave	Min/Max
Grid	Surface Illuminance	lux	64.0	14.0	135.9	0.22	0.10

3. Calculation Results

3.1 Grid: Graphical Table

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



B SLS 1500-158

Average	Minimum	Maximum	Min/Ave	Min/Max	Project maintenance factor	Scale
64.0	14.0	135.9	0.22	0.10	0.85	1:1250

4. Luminaire Details

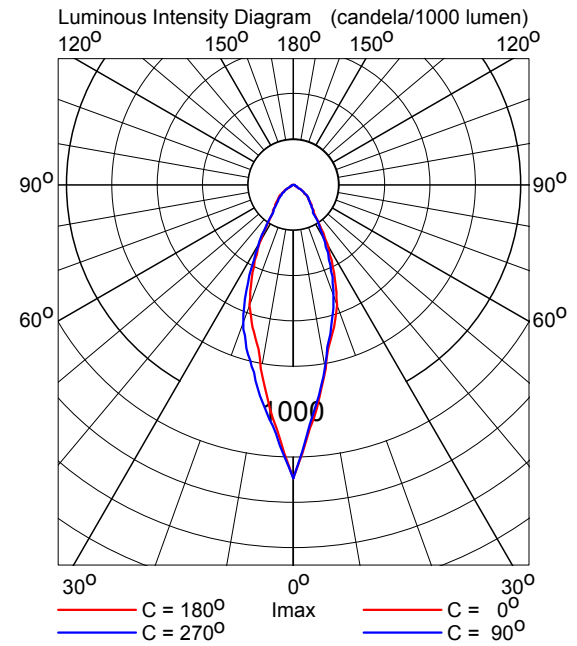
4.1 Project Luminaires

SLS 1500-158 1 x MH 1500

Light output ratios

DLOR	: 0.74
ULOR	: 0.00
TLOR	: 0.74
Lamp flux	: 142000 lm
Luminaire wattage	: 1610.0 W

Note: Luminaire data not from database.



5. Installation Data

5.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
B	24	SLS 1500-158	1 * MH 1500	1 * 142000

5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles (deg)		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * B	68.00	42.00	25.00	-148.37	71.64	0.00
1 * B	68.00	42.00	25.00	0.20	67.00	0.00
1 * B	68.00	42.00	25.00	-135.74	65.60	0.00
1 * B	68.00	42.00	25.00	-103.88	58.09	0.00
1 * B	68.00	42.00	25.00	109.98	52.00	0.00
1 * B	68.00	42.00	25.00	84.16	62.60	0.00
1 * B	68.00	42.00	25.00	-165.04	61.18	0.00
1 * B	68.00	42.00	25.00	-56.73	61.64	0.00
1 * B	68.00	42.00	25.00	-19.75	66.03	0.00
1 * B	68.00	42.00	25.00	41.39	68.76	0.00
1 * B	68.00	42.00	25.00	52.22	71.75	0.00
1 * B	68.00	42.00	25.00	69.76	73.28	0.00
1 * B	135.00	42.00	25.00	-151.42	67.30	0.00
1 * B	135.00	42.00	25.00	-125.11	63.52	0.00
1 * B	135.00	42.00	25.00	122.42	71.49	0.00
1 * B	135.00	42.00	25.00	100.73	72.59	0.00
1 * B	135.00	42.00	25.00	146.02	66.67	0.00
1 * B	135.00	42.00	25.00	22.36	66.40	0.00
1 * B	135.00	42.00	25.00	-53.61	64.31	0.00
1 * B	135.00	42.00	25.00	-16.53	70.22	0.00
1 * B	135.00	42.00	25.00	-0.49	69.29	0.00
1 * B	135.00	42.00	25.00	-31.24	72.16	0.00
1 * B	135.00	42.00	25.00	52.20	61.95	0.00
1 * B	135.00	42.00	25.00	85.67	71.55	0.00