

Plenobrás

Sambódromo

Project code: 50066o05
Date: 24-03-2005

Designer: Eng Adriano Genistretti

Description: Câmera na arquibancada

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.

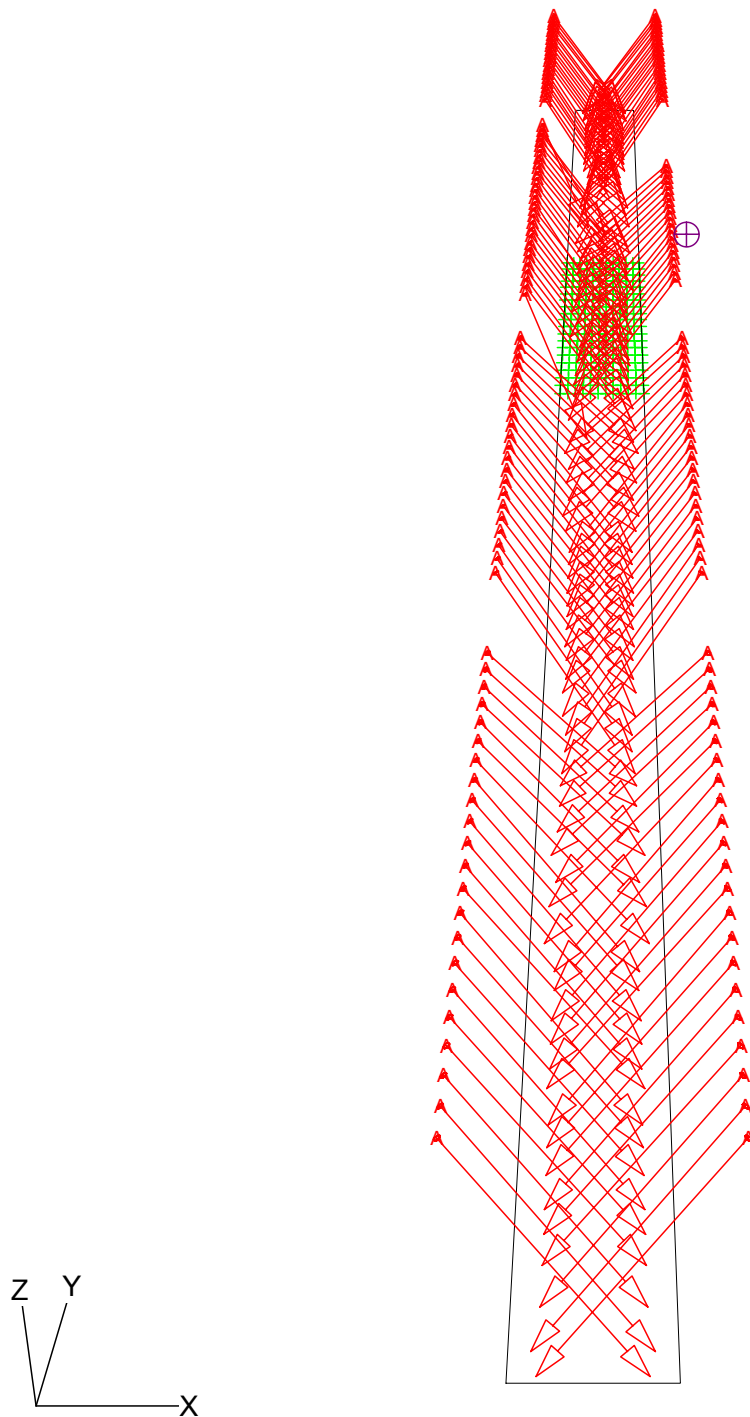
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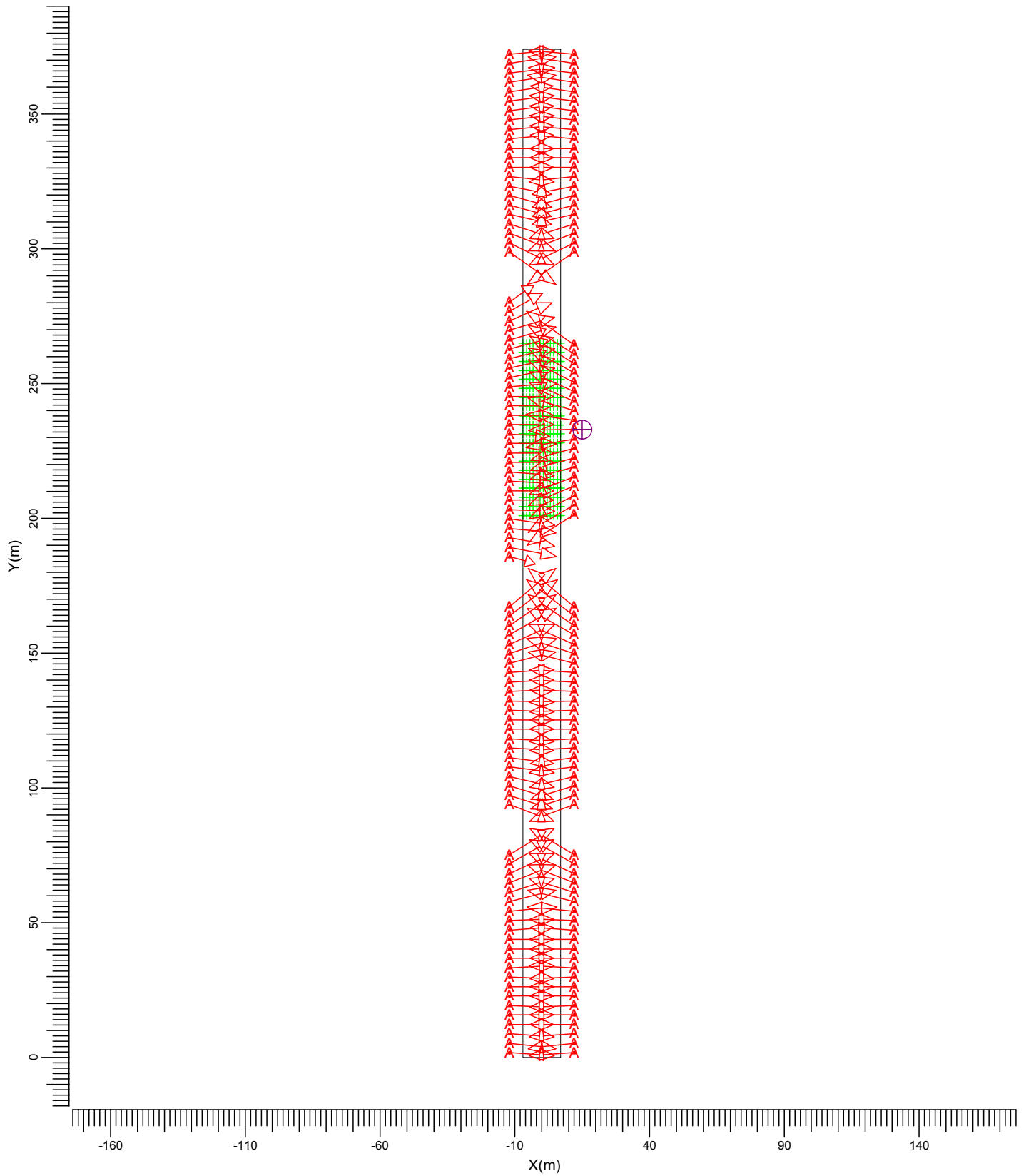
1. Project Description


1.1 3-D Project Overview



A  SLS 1500-128

1.2 Top Project Overview



A  SLS 1500-128

Scale
1:2000

2. Summary

2.1 General Information

The overall maintenance factor used for this project is 0.85.

2.2 Observer Information

Code	Observer	Position		
		X (m)	Y (m)	Z (m)
Aa	Camera no Palco	15.00	233.00	17.00

2.3 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
A	179	SLS 1500-128	1 * MH 1500	1610.0	1 * 142000

The total installed power: 288.19 (kWatt)

Number of Luminaires Per Arrangement:

Arrangement	Luminaire Code	Power (kWatt)
	A	
Line	44	70.84
Line1	44	70.84
Line2	19	30.59
Line3	28	45.08
Line4	44	70.84

2.4 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min	Max	Min/Ave	Min/Max
Câmera no palco	Illuminance -> Aa	lux	1236	412	2839	0.33	0.15

3. Calculation Results

3.1 Câmera no palco: Textual Table

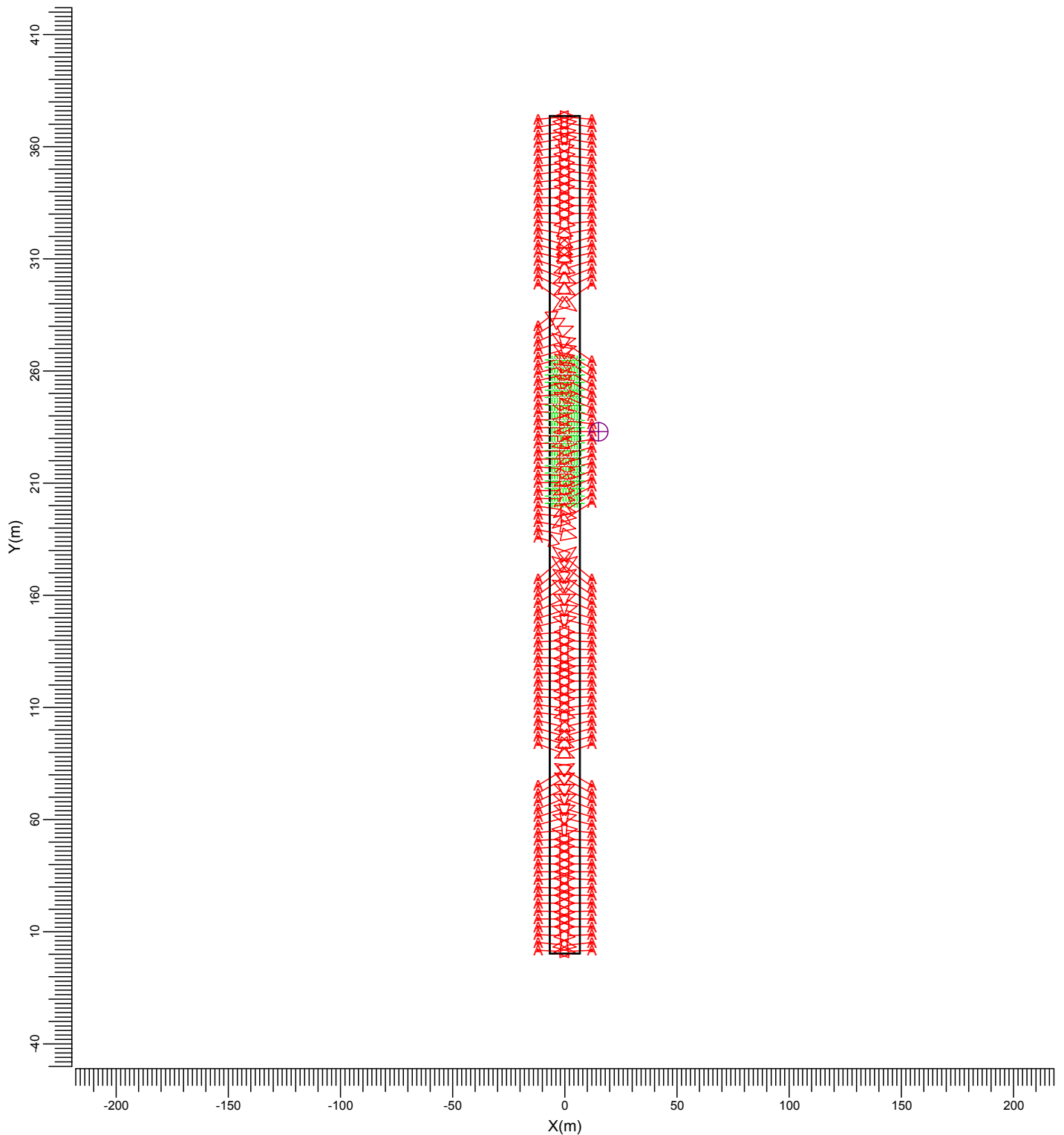
Grid : Grid at Z = 0.00 m
 Calculation : Illuminance towards Camera no Palco (lux)
 Height above grid : 1.50 m

X (m)	-7.00	-5.73	-4.45	-3.18	-1.91	-0.64	0.64	1.91	3.18	4.45	5.73	7.00	
Y (m)	265.00	1049	1327	1606	1799	1764	1540	1292	1101	992	831	663	525
	261.63	1083	1425	1883	2149	1838	1468	1223	1075	995	861	696	547
	258.26	1142	1539	2166	2383	1859	1473	1219	1076	1026	885	690	543
	254.89	1104	1493	1933	2200	1902	1513	1242	1070	1012	850	644	507
	251.53	1078	1410	1805	1980	1780	1491	1209	970	837	775	654	534
	248.16	933	1187	1500	1691	1616	1393	1135	939	826	760	652	535
	244.79	1053	1483	2074	2198	1670	1333	1133	1049	1046	891	706	566
	241.42	969	1176	1324	1340	1290	1195	1090	1057	1100	964	763	606
	238.05	1202	1729	2365	2072	1597	1293	1132	1085	1151	1005	790	637
	234.68	958	1207	1444	1542	1443	1302	1168	1121	1165	1001	782	627
	231.32	981	1283	1639	1821	1620	1421	1307	1206	988	839	704	593
	227.95	1075	1431	1733	1684	1495	1318	1178	1094	1120	1107	875	681
	224.58	1140	1459	1709	1718	1630	1484	1322	1215	1188	1030	821	646
	221.21	1057	1431	1933	2554	2488	1937	1548	1309	1169	951	749	585
	217.84	1126	1540	2157	2839>	2576	1948	1500	1172	950	801	664	532
	214.47	1051	1416	1942	2474	2116	1626	1301	1121	1038	895	712	562
	211.11	883	1121	1386	1593	1557	1384	1194	1065	1015	871	689	546
	207.74	1019	1329	1703	1892	1698	1413	1166	984	872	735	592	481
	204.37	1008	1370	1761	1946	1603	1276	1037	850	740	640	532	434
	201.00	923	1240	1701	2071	1721	1294	1008	823	724	622	510	412<

Average 1236 Minimum 412 Maximum 2839 Min/Ave 0.33 Min/Max 0.15 Project maintenance factor 0.85

3.2 Câmera no palco: Graphical Table

Grid : Grid at Z = 0.00 m
 Calculation : Illuminance towards Camera no Palco (lux)
 Height above grid : 1.50 m



A SLS 1500-128

Average	Minimum	Maximum	Min/Ave	Min/Max	Project maintenance factor	Scale
1236	412	2839	0.33	0.15	0.85	1:2500