

Plenobrás

Sambódromo

Project code: 50066o06
Date: 24-03-2005

Designer: Eng Adriano Genistretti

Description: Câmera na Pista

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.

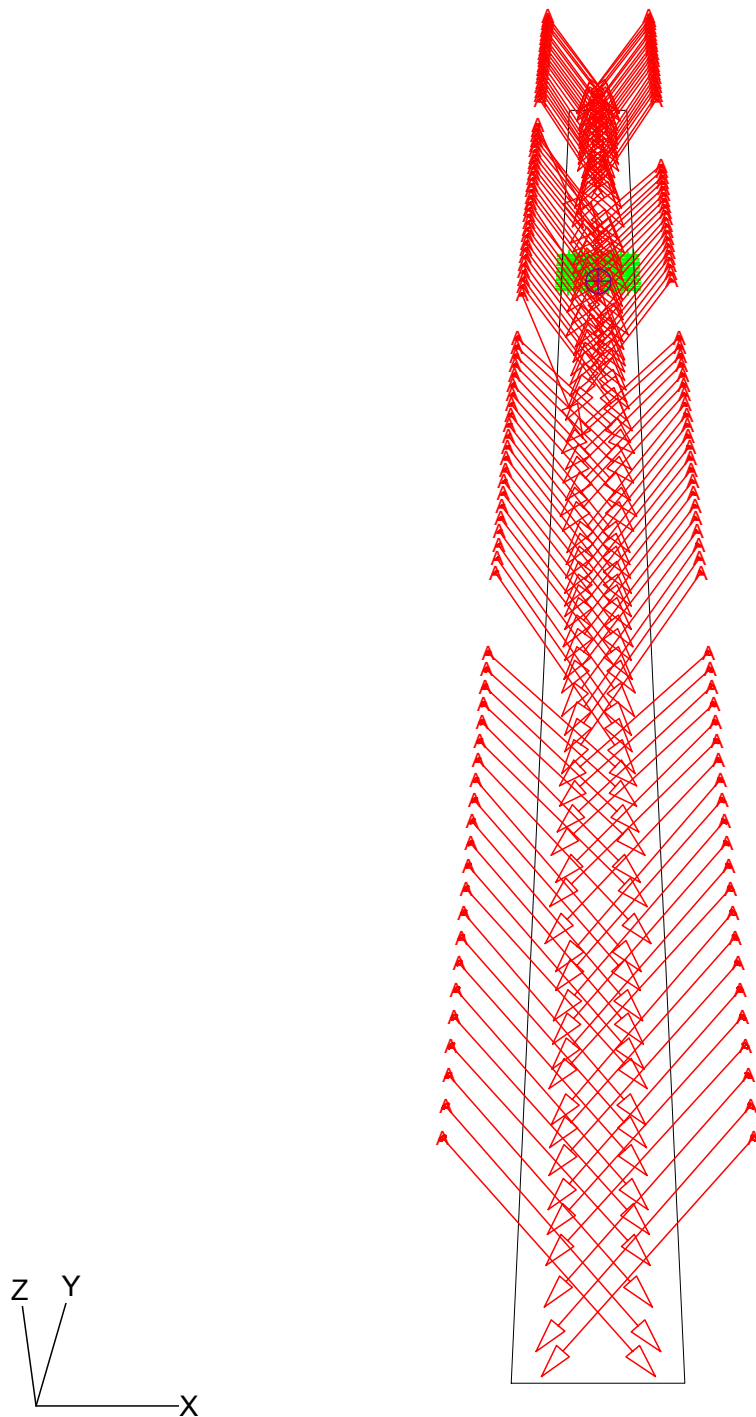
Philips Ligthing do Brasil


Rua Verbo Divino , 1400 -Térreo
Chacarã Sto. Antonio
Cep 04719-002 - São Paulo -SP

Telephone: (55) (11) 5188-0785
Fax: (55) (11) 5188-0780
E-Mail: leandro.vasques@philips.com

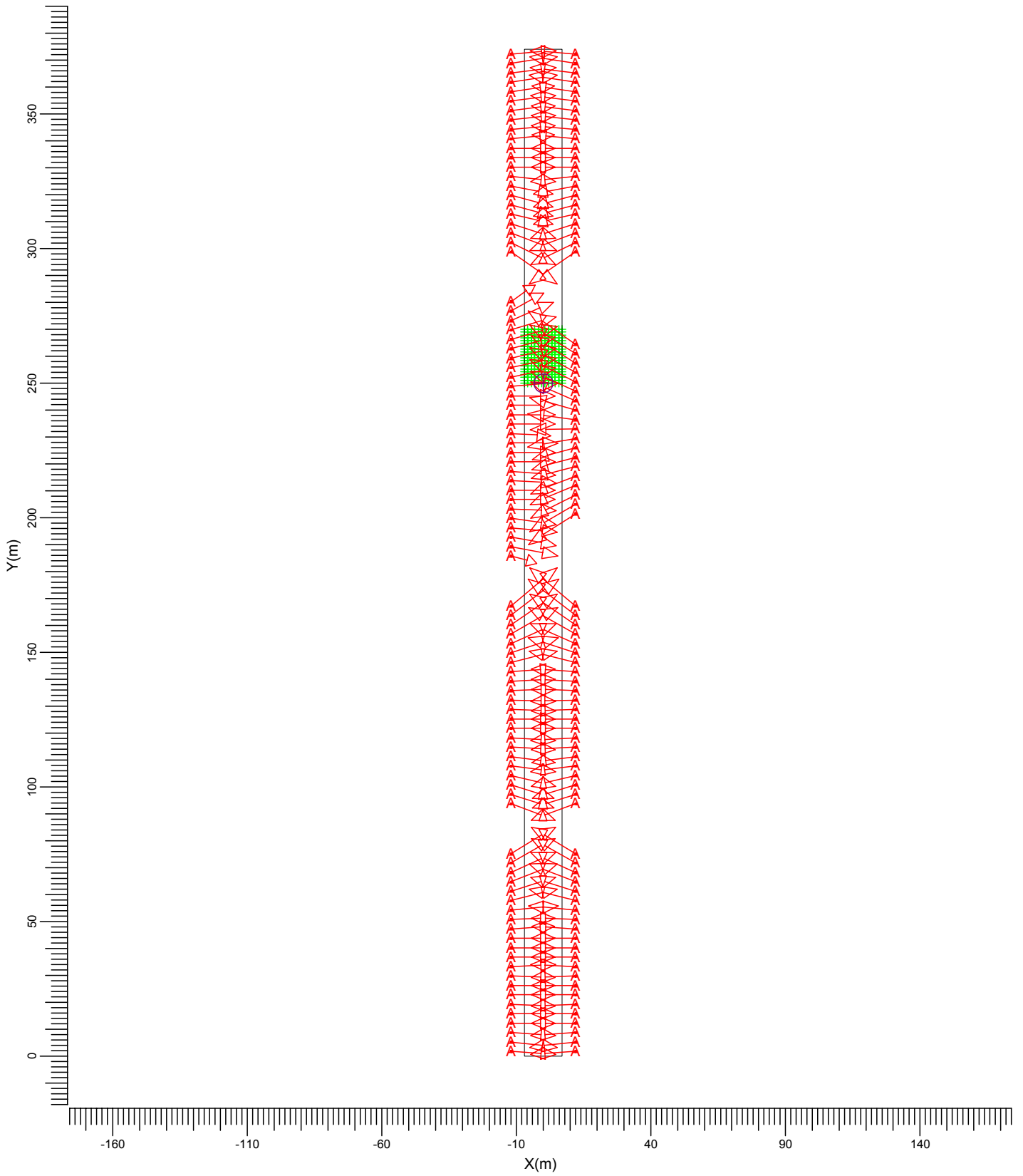
1. Project Description


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	Câmera na Pista	0.00	250.00	1.80

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 na Pista	Illuminance -> Aa	lux	890	540	1771	0.61	0.30

3. Calculation Results

3.1 Câmera na Pista: Textual Table

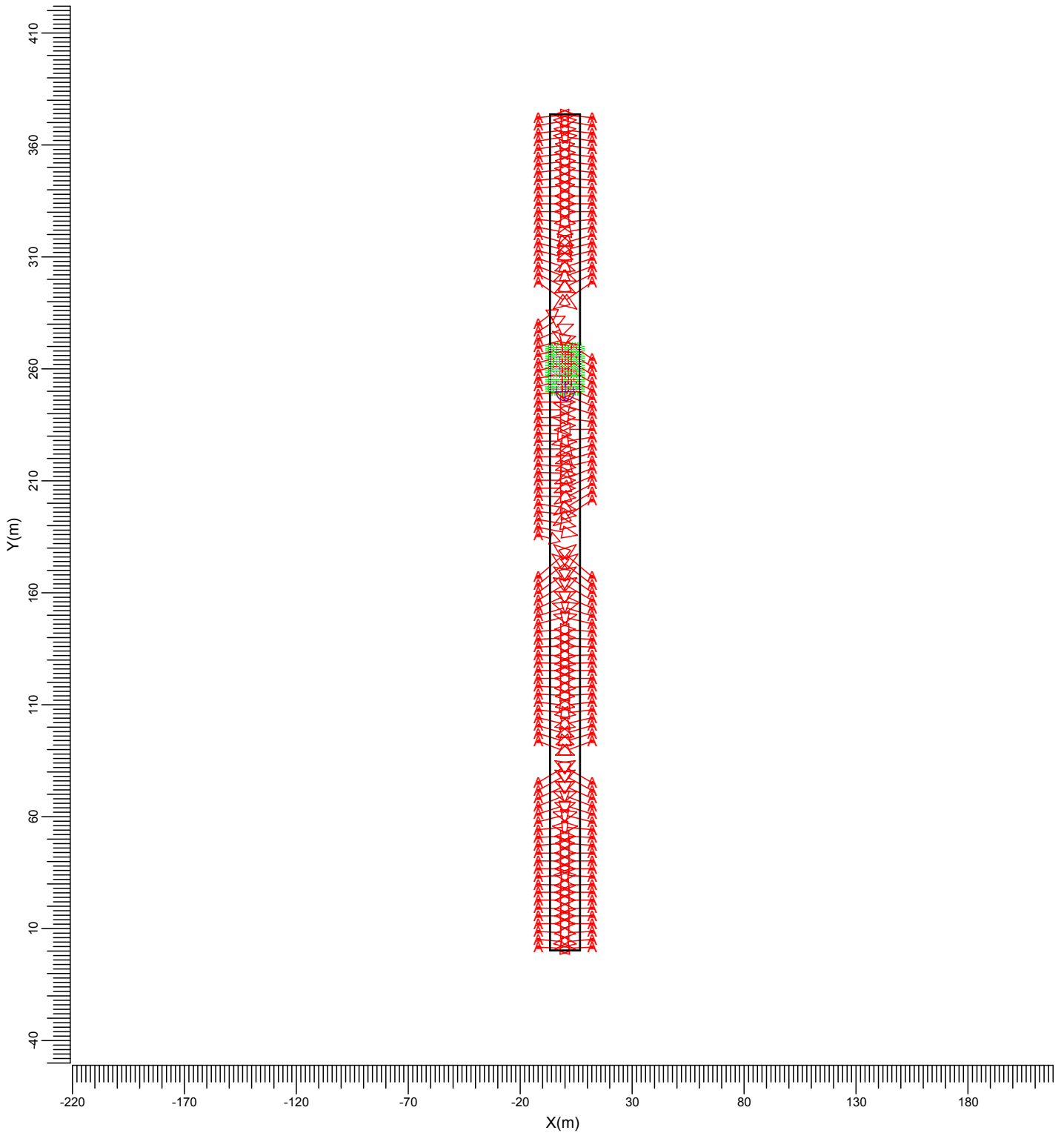
Grid : Grid at Z = 0.00 m
 Calculation : Illuminance towards Câmera na Pista (lux)
 Height above grid : 1.50 m

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)												
270.00	719	933	1176	1271	1022	769	670	674	765	790	666	556
268.95	727	896	1085	1139	1003	804	677	664	705	712	635	540<
267.89	709	903	1118	1223	1042	809	699	694	753	719	633	544
266.84	702	883	1128	1400	1126	832	714	747	858	779	647	542
265.79	712	852	1039	1171	1049	822	695	716	793	741	644	548
264.74	737	881	1008	1014	906	761	659	663	746	739	659	562
263.68	754	961	1134	1114	882	713	635	666	802	814	704	596
262.63	773	977	1283	1313	946	709	628	680	863	867	721	600
261.58	768	950	1163	1209	947	707	610	651	777	814	731	621
260.53	791	954	1069	1035	865	686	595	641	787	835	749	637
259.47	820	1028	1181	1132	865	666	595	668	908	956	807	659
258.42	838	1077	1419	1391	955	685	592	675	907	943	795	663
257.37	836	1069	1334	1379	998	696	580	647	837	911	815	675
256.32	835	1034	1225	1182	956	688	576	675	927	981	843	691
255.26	852	1092	1307	1334	1011	693	581	711	1053	1060	847	675
254.21	845	1123	1511	1732	1207	745	570	661	892	942	808	662
253.16	827	1100	1460	1707	1319	797	560	610	772	842	777	660
252.11	813	1065	1343	1469	1273	853	585	646	823	926	852	709
251.05	791	1074	1396	1575	1353	1015	691	798	1028	1183	999	772
250.00	733	1006	1443	1771>	1406	1202	855	926	1215	1468	1134	821

Average 890 Minimum 540 Maximum 1771 Min/Ave 0.61 Min/Max 0.30 Project maintenance factor 0.85

3.2 Câmera na Pista: Graphical Table

Grid : Grid at Z = 0.00 m
 Calculation : Illuminance towards Câmera na Pista (lux)
 Height above grid : 1.50 m



A SLS 1500-128

Average	Minimum	Maximum	Min/Ave	Min/Max	Project maintenance factor	Scale
890	540	1771	0.61	0.30	0.85	1:2500