

# Plenobrás

## Sambódromo

Project code: 50066o04  
Date: 24-03-2005

Designer: Eng Adriano Genistretti

Description: SLS1500  
REFL1500-128  
MH1500W

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

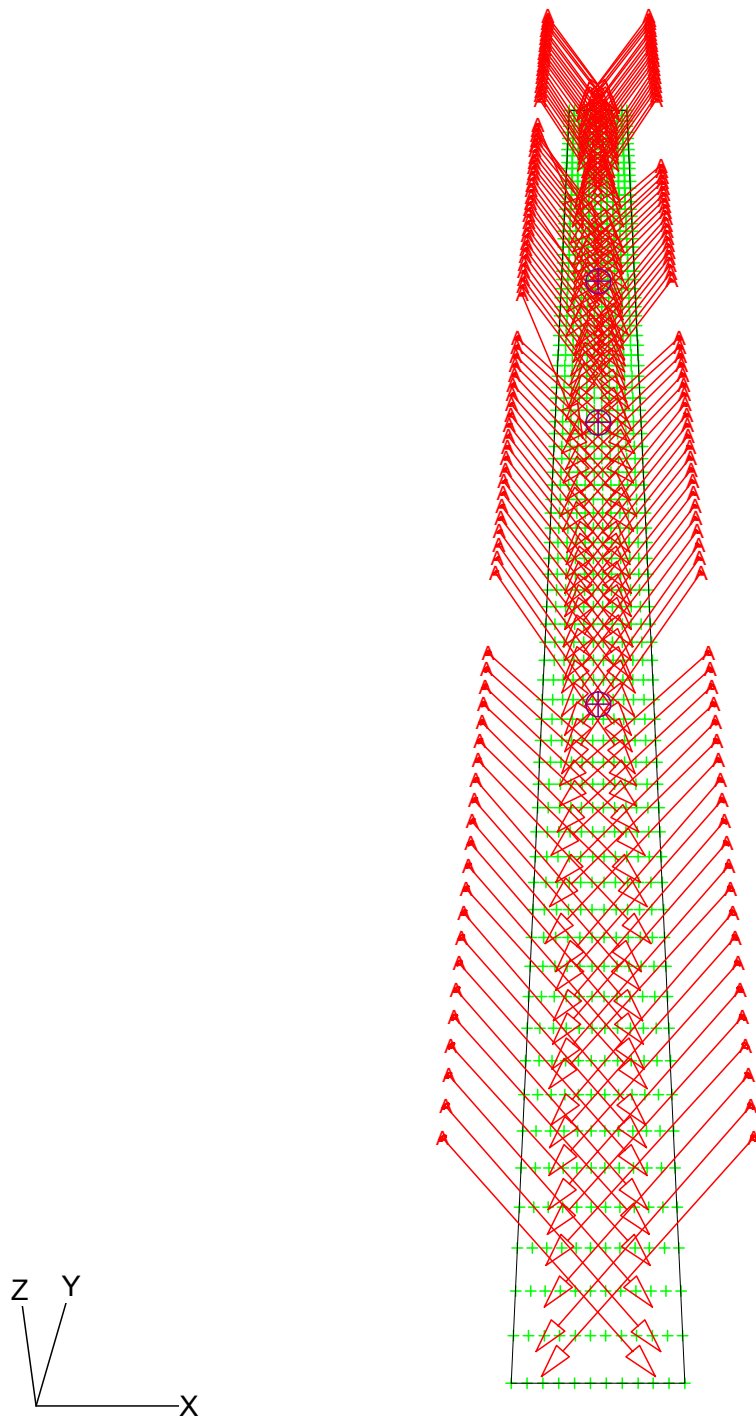
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# 1. Project Description

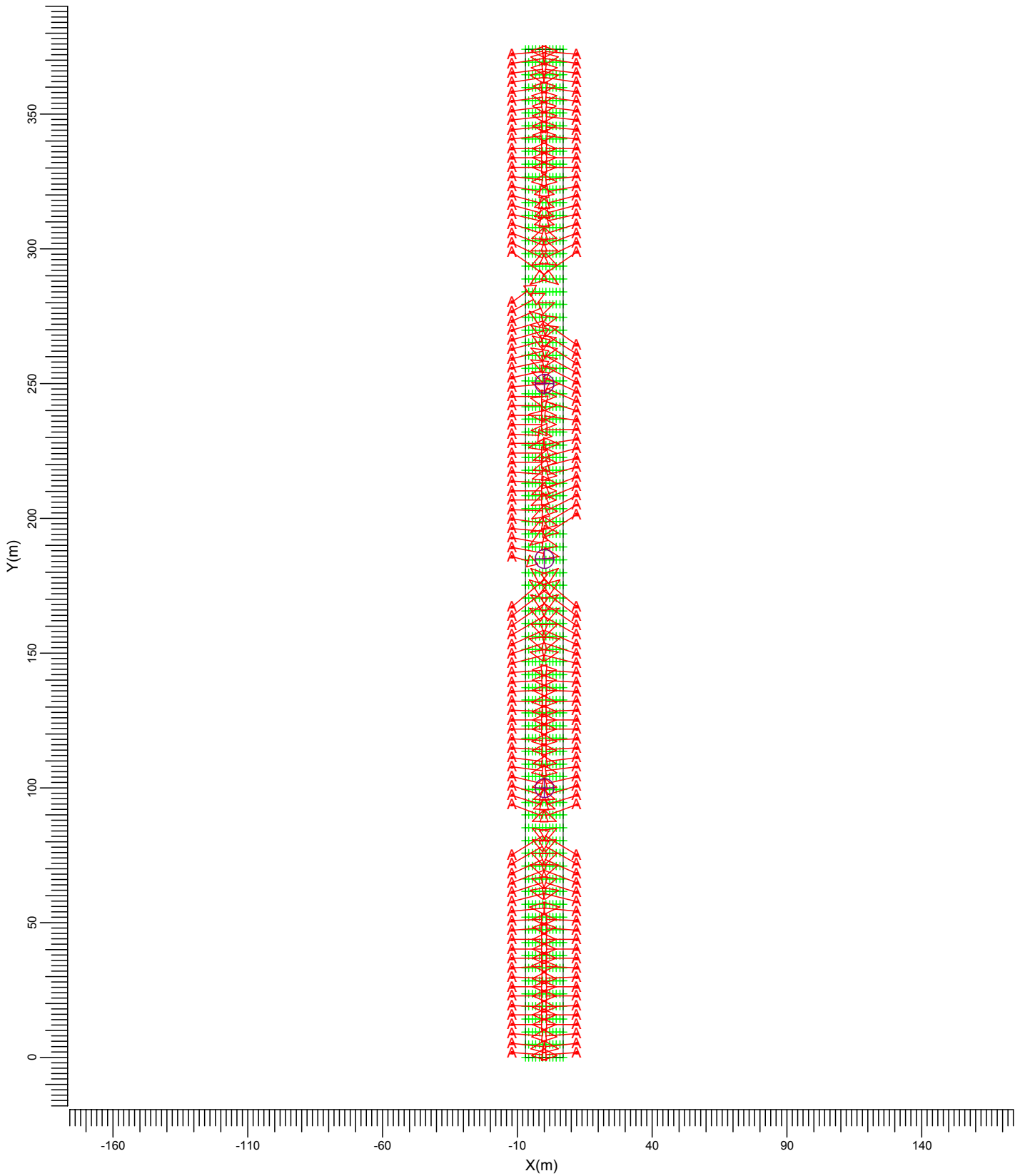
## 1.1 3-D Project Overview


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A  SLS 1500-128

## 1.2 Top Project Overview



A  SLS 1500-128

Scale  
1:2000

## 2. Summary

### 2.1 General Information

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The overall maintenance factor used for this project is 0.85.

### 2.2 Observer Information

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Code	Observer	Position		
		X (m)	Y (m)	Z (m)
Aa	G1	0.00	185.00	1.80
Bb	G2	0.00	250.00	1.80
Cc	G3	0.00	100.00	1.80

### 2.3 Project Luminaires

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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

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(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min	Max	Min/Ave	Min/Max
Grid	Surface Illuminance	lux	1576	843	2559	0.53	0.33

Glare Rating Calculations:

Calculation	Observer	Reference Grid	Reflectance	GR-Max
G1	Aa	Grid	0.25	16.4
G2	Bb	Grid	0.25	11.1
G3	Cc	Grid	0.25	10.0

### 3. Calculation Results

#### 3.1 Grid: Textual Table

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

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)												
374.00	1143	1554	1800	1531	1295	1196	1196	1295	1531	1800	1554	1143
369.27	1429	1814	1965	1793	1632	1569	1569	1632	1793	1965	1814	1429
364.53	1518	2093	2271	1958	1719	1635	1635	1719	1959	2271	2093	1518
359.80	1284	1696	2147	2140	1885	1754	1754	1885	2140	2147	1697	1284
355.06	1308	1693	1965	1888	1769	1719	1719	1769	1888	1965	1693	1309
350.33	1353	1784	2153	2028	1853	1767	1767	1853	2028	2153	1784	1353
345.59	1369	1870	2374	2171	1924	1820	1820	1924	2171	2374	1870	1369
340.86	1179	1508	1797	1769	1686	1633	1633	1686	1769	1797	1508	1180
336.13	1298	1716	2078	1958	1799	1719	1719	1799	1958	2079	1716	1299
331.39	1278	1693	2050	1929	1768	1687	1687	1768	1930	2051	1693	1279
326.66	1063	1349	1555	1508	1455	1424	1424	1455	1508	1555	1349	1064
321.92	995	1281	1585	1715	1693	1667	1667	1693	1716	1585	1281	996
317.19	1001	1297	1626	1825	1863	1862	1862	1863	1825	1626	1297	1002
312.46	1171	1574	2129	2540	2375	2236	2236	2375	2541	2130	1574	1172
307.72	1060	1374	1723	1931	1821	1733	1733	1821	1932	1723	1374	1060
302.99	1123	1479	1763	1637	1462	1389	1389	1462	1637	1763	1479	1123
298.25	1095	1419	1563	1398	1277	1231	1232	1278	1399	1562	1418	1094
293.52	951	1312	1563	1401	1198	1105	1101	1180	1375	1541	1296	948
288.78	979	1296	1555	1668	1570	1397	1275	1223	1231	1173	1052	843<
284.05	1051	1346	1570	1730	1851	2106	2005	1540	1277	1145	1027	881
279.32	874	934	955	999	1052	1123	1248	1455	1686	1503	1141	873
274.58	1059	1270	1344	1300	1204	1161	1194	1327	1601	1868	1626	1189
269.85	1168	1529	1747	1701	1525	1431	1431	1539	1731	1840	1678	1300
265.11	1172	1455	1625	1612	1579	1562	1581	1668	1803	1863	1595	1248
260.38	1225	1529	1664	1576	1500	1489	1505	1615	1801	1957	1711	1330
255.65	1225	1576	1823	1722	1548	1477	1482	1583	1829	2048	1699	1247
250.91	1153	1625	1948	1721	1482	1356	1307	1316	1420	1607	1618	1279
246.18	1058	1327	1426	1315	1272	1295	1363	1502	1738	1881	1557	1211
241.44	969	1131	1189	1185	1245	1337	1480	1713	2074	2284	1809	1352
236.71	1070	1277	1306	1259	1275	1344	1463	1651	1912	2042	1706	1320
231.97	1107	1524	1804	1635	1525	1557	1673	1831	1893	1708	1412	1146
227.24	1251	1592	1590	1460	1402	1450	1572	1759	2027	2263	2081	1548
222.51	1115	1465	1876	1995	1859	1730	1723	1809	1980	2099	1767	1364
217.77	1272	1772	2405	2339	2001	1808	1710	1687	1742	1788	1574	1255
213.04	1096	1393	1638	1617	1569	1616	1725	1920	2268	2559>	2140	1577
208.30	1188	1674	2035	1830	1657	1613	1666	1802	2016	2135	1809	1407

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Average 1576      Minimum 843      Maximum 2559      Min/Ave 0.53      Min/Max 0.33      Project maintenance factor 0.85

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

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)	203.57	1168	1503	1690	1558	1443	1415	1437	1521	1707	1849	1591	1214
	198.84	1114	1477	1678	1529	1386	1350	1371	1439	1572	1658	1483	1175
	194.10	1144	1526	1659	1445	1303	1281	1320	1435	1678	2004	1818	1347
	189.37	1135	1445	1410	1173	1055	1068	1157	1343	1646	1926	1692	1284
	184.63	1021	1245	1422	1598	1613	1345	1208	1229	1370	1566	1599	1332
	179.90	1176	1452	1622	1619	1476	1320	1246	1268	1386	1445	1354	1146
	175.16	1029	1203	1283	1245	1153	1095	1091	1143	1236	1271	1196	1023
	170.43	1053	1333	1483	1357	1194	1117	1116	1192	1354	1479	1328	1048
	165.70	1050	1353	1450	1309	1155	1093	1093	1154	1307	1447	1350	1048
	160.96	1047	1440	1615	1386	1185	1105	1105	1185	1386	1614	1440	1046
	156.23	1227	1514	1468	1273	1151	1108	1108	1152	1274	1469	1515	1228
	151.49	1122	1422	1513	1334	1185	1123	1123	1186	1335	1514	1424	1124
	146.76	888	1055	1160	1161	1132	1118	1118	1133	1162	1161	1056	890
	142.03	1207	1574	1865	1772	1646	1576	1577	1646	1773	1866	1576	1208
	137.29	1253	1646	1977	1849	1704	1629	1629	1704	1850	1978	1647	1254
	132.56	1295	1709	2067	1915	1738	1655	1655	1739	1915	2068	1710	1296
	127.82	1468	1979	2462	2261	2014	1898	1898	2014	2261	2463	1979	1468
	123.09	1369	1790	2139	2017	1868	1787	1787	1868	2018	2139	1790	1369
	118.35	1251	1624	1916	1814	1694	1635	1635	1694	1814	1916	1624	1251
	113.62	1271	1721	2196	2056	1810	1699	1699	1810	2056	2196	1721	1271
	108.89	1251	1697	2182	2059	1813	1694	1694	1813	2059	2182	1697	1251
	104.15	1113	1417	1626	1550	1452	1410	1410	1452	1550	1626	1417	1113
	99.42	1154	1543	1887	1773	1606	1547	1547	1605	1773	1887	1543	1154
	94.68	1170	1524	1897	1971	1831	1752	1752	1831	1970	1897	1524	1169
	89.95	1179	1473	1711	1737	1674	1634	1634	1674	1737	1711	1473	1179
	85.22	1332	1777	2151	1938	1640	1500	1500	1640	1938	2151	1776	1332
	80.48	1117	1482	1869	1784	1583	1479	1479	1583	1784	1869	1482	1117
	75.75	1119	1518	1865	1677	1451	1362	1362	1451	1677	1865	1518	1119
	71.01	1228	1662	1800	1556	1369	1302	1302	1369	1556	1800	1662	1228
	66.28	1158	1567	1942	1723	1469	1353	1353	1469	1723	1942	1567	1158
	61.54	1187	1606	1724	1474	1301	1230	1230	1301	1474	1724	1606	1187
	56.81	1209	1514	1507	1312	1174	1123	1123	1174	1312	1507	1514	1209
	52.08	1271	1657	2012	1899	1695	1595	1595	1695	1899	2012	1657	1271
	47.34	1275	1664	2059	2010	1851	1767	1767	1851	2010	2059	1664	1275
	42.61	1350	1768	2134	2006	1853	1774	1774	1853	2006	2134	1768	1350
	37.87	1446	1889	2269	2132	1965	1879	1879	1965	2132	2269	1889	1446
	33.14	1378	1814	2148	1974	1804	1729	1729	1804	1974	2148	1814	1378
	28.41	1418	1893	2349	2194	1962	1850	1850	1962	2194	2349	1893	1418

Average 1576      Minimum 843      Maximum 2559      Min/Ave 0.53      Min/Max 0.33      Project maintenance factor 0.85

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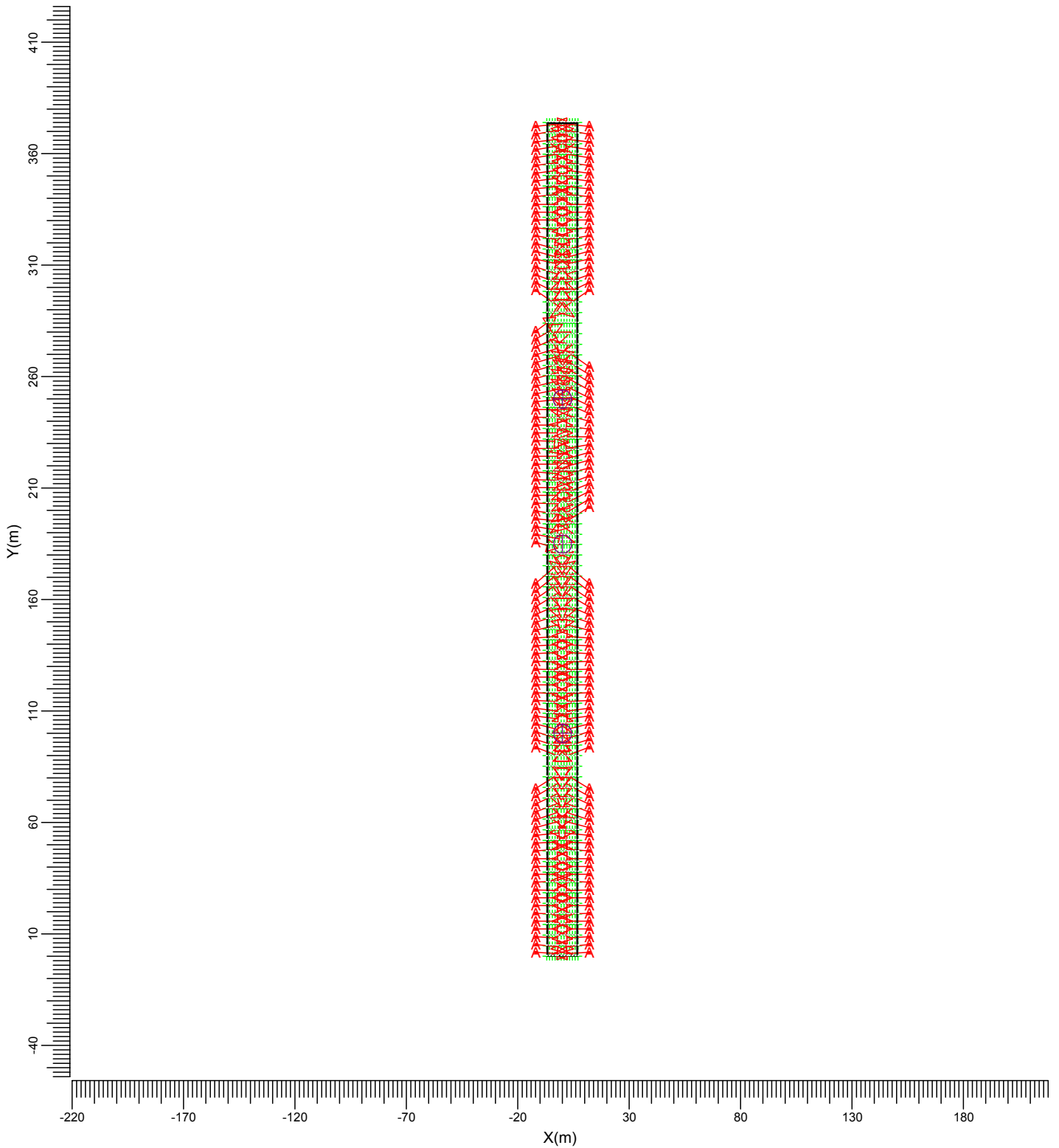
Grid : Grid at Z = 0.00 m  
Calculation : Surface Illuminance (lux)

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)	23.67	1387	1821	2222	2089	1910	1818	1818	1910	2089	2222	1821	1387
	18.94	1406	1892	2385	2202	1956	1836	1836	1956	2202	2385	1892	1406
	14.20	1354	1770	2104	1985	1843	1766	1766	1843	1985	2104	1770	1354
	9.47	1132	1446	1674	1609	1529	1485	1485	1529	1609	1674	1446	1132
	4.73	1211	1560	1708	1587	1472	1425	1425	1472	1587	1708	1560	1211
	0.00	1038	1423	1721	1493	1265	1159	1159	1265	1493	1721	1423	1038

Average	Minimum	Maximum	Min/Ave	Min/Max	Project maintenance factor
1576	843	2559	0.53	0.33	0.85

### 3.2 Grid: Graphical Table

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



A SLS 1500-128

Average	Minimum	Maximum	Min/Ave	Min/Max	Project maintenance factor	Scale
1576	843	2559	0.53	0.33	0.85	1:2500



## 4. Luminaire Details

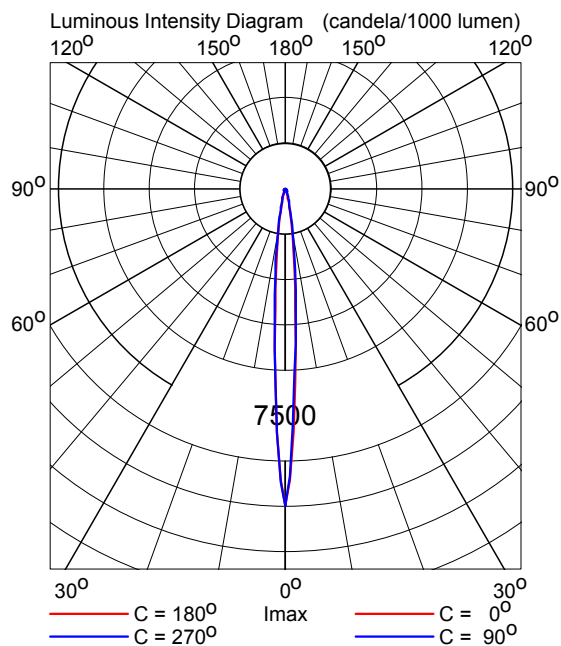
### 4.1 Project Luminaires

SLS 1500-128 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)
A	179	SLS 1500-128	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 * A	-12.00	1.75	23.50	-3.82	35.31	0.00
1 * A	-12.00	5.25	23.50	-7.03	36.25	0.00
1 * A	-12.00	8.75	23.50	-3.63	35.18	0.00
1 * A	-12.00	12.25	23.50	0.00	35.00	0.00
1 * A	-12.00	15.75	23.50	0.00	35.00	0.00
1 * A	-12.00	19.25	23.50	-2.02	34.98	0.00
1 * A	-12.00	22.75	23.50	0.00	35.00	0.00
1 * A	-12.00	26.25	23.50	0.00	35.00	0.00
1 * A	-12.00	29.75	23.50	-2.03	34.93	0.00
1 * A	-12.00	33.25	23.50	2.44	35.37	0.00
1 * A	-12.00	36.75	23.50	0.00	35.00	0.00
1 * A	-12.00	40.25	23.50	0.00	35.00	0.00
1 * A	-12.00	43.75	23.50	0.00	35.00	0.00
1 * A	-12.00	47.25	23.50	3.59	34.75	0.00
1 * A	-12.00	50.75	23.50	1.71	34.91	0.00
1 * A	-12.00	54.25	23.50	5.06	36.80	0.00
1 * A	-12.00	57.75	23.50	13.99	37.06	0.00
1 * A	-12.00	61.25	23.50	17.11	36.47	0.00
1 * A	-12.00	64.75	23.50	20.97	38.12	0.00
1 * A	-12.00	68.25	23.50	24.16	37.76	0.00
1 * A	-12.00	71.75	23.50	28.92	38.65	0.00
1 * A	-12.00	75.25	23.50	30.59	39.19	0.00
1 * A	-12.00	93.75	23.50	-20.79	36.62	0.00
1 * A	-12.00	97.25	23.50	-17.63	35.63	0.00
1 * A	-12.00	100.75	23.50	-16.91	35.57	0.00
1 * A	-12.00	104.25	23.50	-14.09	35.90	0.00
1 * A	-12.00	107.75	23.50	-7.30	35.49	0.00
1 * A	-12.00	111.25	23.50	-7.89	35.02	0.00
1 * A	-12.00	114.75	23.50	-3.61	34.85	0.00
1 * A	-12.00	118.25	23.50	-3.77	35.20	0.00
1 * A	-12.00	121.75	23.50	0.00	35.00	0.00
1 * A	-12.00	125.25	23.50	0.00	35.00	0.00
1 * A	-12.00	128.75	23.50	-2.05	35.09	0.00
1 * A	-12.00	132.25	23.50	-1.66	35.15	0.00
1 * A	-12.00	135.75	23.50	1.53	35.10	0.00
1 * A	-12.00	139.25	23.50	2.88	35.06	0.00
1 * A	-12.00	142.75	23.50	3.68	35.08	0.00
1 * A	-12.00	146.25	23.50	13.53	36.84	0.00
1 * A	-12.00	149.75	23.50	17.66	38.20	0.00
1 * A	-12.00	153.25	23.50	23.41	38.02	0.00
1 * A	-12.00	156.75	23.50	29.78	40.39	0.00
1 * A	-12.00	160.25	23.50	33.47	41.08	0.00
1 * A	-12.00	163.75	23.50	37.34	43.47	0.00

Qty and Code	Position			Aiming Angles (deg)		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	-12.00	167.25	23.50	39.80	43.43	0.00
1 * A	-12.00	185.75	23.50	-16.06	23.07	0.00
1 * A	-12.00	189.25	23.50	-11.10	37.10	0.00
1 * A	-12.00	192.75	23.50	-10.30	36.00	0.00
1 * A	-12.00	196.25	23.50	-5.68	36.18	0.00
1 * A	-12.00	199.75	23.50	-8.22	35.78	0.00
1 * A	-12.00	203.25	23.50	-2.50	35.49	0.00
1 * A	-12.00	206.75	23.50	0.00	35.00	0.00
1 * A	-12.00	210.25	23.50	0.00	35.00	0.00
1 * A	-12.00	213.75	23.50	-2.98	35.50	0.00
1 * A	-12.00	217.25	23.50	-4.67	35.39	0.00
1 * A	-12.00	220.75	23.50	0.00	35.00	0.00
1 * A	-12.00	224.25	23.50	0.00	35.00	0.00
1 * A	-12.00	227.75	23.50	-0.50	36.44	0.00
1 * A	-12.00	231.25	23.50	-3.37	32.23	0.00
1 * A	-12.00	234.75	23.50	0.00	35.00	0.00
1 * A	-12.00	238.25	23.50	0.00	35.00	0.00
1 * A	-12.00	241.75	23.50	0.00	35.00	0.00
1 * A	-12.00	245.25	23.50	0.00	35.00	0.00
1 * A	-12.00	248.75	23.50	4.36	36.88	0.00
1 * A	-12.00	252.25	23.50	11.30	35.90	0.00
1 * A	-12.00	255.75	23.50	11.90	36.10	0.00
1 * A	-12.00	259.25	23.50	12.90	36.10	0.00
1 * A	-12.00	262.75	23.50	14.30	35.60	0.00
1 * A	-12.00	266.25	23.50	15.30	37.20	0.00
1 * A	-12.00	269.75	23.50	15.90	36.70	0.00
1 * A	-12.00	273.25	23.50	23.32	36.21	0.00
1 * A	-12.00	276.75	23.50	29.16	30.52	0.00
1 * A	-12.00	280.25	23.50	34.48	24.77	0.00
1 * A	-12.00	298.75	23.50	-34.80	41.80	0.00
1 * A	-12.00	302.25	23.50	-26.20	38.20	0.00
1 * A	-12.00	305.75	23.50	-21.00	37.70	0.00
1 * A	-12.00	309.25	23.50	-18.20	36.60	0.00
1 * A	-12.00	312.75	23.50	-13.74	34.31	0.00
1 * A	-12.00	316.25	23.50	-15.16	34.48	0.00
1 * A	-12.00	319.75	23.50	-15.70	34.62	0.00
1 * A	-12.00	323.25	23.50	-11.00	34.00	0.00
1 * A	-12.00	326.75	23.50	-6.40	35.30	0.00
1 * A	-12.00	330.25	23.50	-0.00	35.00	0.00
1 * A	-12.00	333.75	23.50	-0.00	35.00	0.00
1 * A	-12.00	337.25	23.50	-0.00	35.00	0.00
1 * A	-12.00	340.75	23.50	5.41	34.82	0.00
1 * A	-12.00	344.25	23.50	4.49	35.04	0.00
1 * A	-12.00	347.75	23.50	5.70	35.20	0.00
1 * A	-12.00	351.25	23.50	5.80	35.00	0.00
1 * A	-12.00	354.75	23.50	7.00	35.40	0.00
1 * A	-12.00	358.25	23.50	7.70	34.80	0.00
1 * A	-12.00	361.75	23.50	8.60	36.40	0.00
1 * A	-12.00	365.25	23.50	6.80	35.80	0.00
1 * A	-12.00	368.75	23.50	8.00	36.30	0.00
1 * A	-12.00	372.25	23.50	3.90	35.60	0.00
1 * A	12.00	1.75	23.50	-176.18	35.31	0.00
1 * A	12.00	5.25	23.50	-172.97	36.25	0.00
1 * A	12.00	8.75	23.50	-176.37	35.18	0.00
1 * A	12.00	12.25	23.50	180.00	35.00	0.00

Qty and Code	Position			Aiming Angles (deg)		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	12.00	15.75	23.50	180.00	35.00	0.00
1 * A	12.00	19.25	23.50	-177.98	34.98	0.00
1 * A	12.00	22.75	23.50	180.00	35.00	0.00
1 * A	12.00	26.25	23.50	180.00	35.00	0.00
1 * A	12.00	29.75	23.50	-177.97	34.93	0.00
1 * A	12.00	33.25	23.50	177.56	35.37	0.00
1 * A	12.00	36.75	23.50	180.00	35.00	0.00
1 * A	12.00	40.25	23.50	180.00	35.00	0.00
1 * A	12.00	43.75	23.50	180.00	35.00	0.00
1 * A	12.00	47.25	23.50	176.41	34.75	0.00
1 * A	12.00	50.75	23.50	178.29	34.91	0.00
1 * A	12.00	54.25	23.50	174.94	36.80	0.00
1 * A	12.00	57.75	23.50	166.01	37.06	0.00
1 * A	12.00	61.25	23.50	162.89	36.47	0.00
1 * A	12.00	64.75	23.50	159.03	38.12	0.00
1 * A	12.00	68.25	23.50	155.84	37.76	0.00
1 * A	12.00	71.75	23.50	151.08	38.65	0.00
1 * A	12.00	75.25	23.50	149.41	39.19	0.00
1 * A	12.00	93.75	23.50	-159.21	36.62	0.00
1 * A	12.00	97.25	23.50	-162.37	35.63	0.00
1 * A	12.00	100.75	23.50	-163.09	35.57	0.00
1 * A	12.00	104.25	23.50	-165.91	35.90	0.00
1 * A	12.00	107.75	23.50	-172.70	35.49	0.00
1 * A	12.00	111.25	23.50	-172.11	35.02	0.00
1 * A	12.00	114.75	23.50	-176.39	34.85	0.00
1 * A	12.00	118.25	23.50	-176.23	35.20	0.00
1 * A	12.00	121.75	23.50	180.00	35.00	0.00
1 * A	12.00	125.25	23.50	180.00	35.00	0.00
1 * A	12.00	128.75	23.50	-177.95	35.09	0.00
1 * A	12.00	132.25	23.50	-178.34	35.15	0.00
1 * A	12.00	135.75	23.50	178.47	35.10	0.00
1 * A	12.00	139.25	23.50	177.12	35.06	0.00
1 * A	12.00	142.75	23.50	176.32	35.08	0.00
1 * A	12.00	146.25	23.50	166.47	36.84	0.00
1 * A	12.00	149.75	23.50	162.34	38.20	0.00
1 * A	12.00	153.25	23.50	156.59	38.02	0.00
1 * A	12.00	156.75	23.50	150.22	40.39	0.00
1 * A	12.00	160.25	23.50	146.53	41.08	0.00
1 * A	12.00	163.75	23.50	142.66	43.47	0.00
1 * A	12.00	167.25	23.50	140.20	43.43	0.00
1 * A	12.00	201.50	20.00	-146.33	46.19	0.00
1 * A	12.00	205.00	20.00	-149.10	44.70	0.00
1 * A	12.00	208.50	20.00	-152.46	43.28	0.00
1 * A	12.00	212.00	20.00	-156.60	42.40	0.00
1 * A	12.00	215.50	20.00	-157.93	41.85	0.00
1 * A	12.00	219.00	20.00	-165.00	40.20	0.00
1 * A	12.00	222.50	20.00	-163.94	40.11	0.00
1 * A	12.00	226.00	20.00	-164.48	39.61	0.00
1 * A	12.00	229.50	20.00	-169.62	42.06	0.00
1 * A	12.00	233.00	20.00	-178.88	40.09	0.00
1 * A	12.00	236.50	20.00	173.22	41.79	0.00
1 * A	12.00	240.00	20.00	164.77	41.51	0.00
1 * A	12.00	243.50	20.00	157.56	42.03	0.00
1 * A	12.00	247.00	20.00	155.72	42.22	0.00
1 * A	12.00	250.50	20.00	154.03	43.36	0.00

Qty and Code	Position			Aiming Angles (deg)		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	12.00	254.00	20.00	151.44	43.96	0.00
1 * A	12.00	257.50	20.00	148.30	43.89	0.00
1 * A	12.00	261.00	20.00	148.17	44.98	0.00
1 * A	12.00	264.50	20.00	145.11	46.98	0.00
1 * A	12.00	298.75	23.50	-145.20	41.80	0.00
1 * A	12.00	302.25	23.50	-153.80	38.20	0.00
1 * A	12.00	305.75	23.50	-159.00	37.70	0.00
1 * A	12.00	309.25	23.50	-161.80	36.60	0.00
1 * A	12.00	312.75	23.50	-166.26	34.31	0.00
1 * A	12.00	316.25	23.50	-164.84	34.48	0.00
1 * A	12.00	319.75	23.50	-164.30	34.62	0.00
1 * A	12.00	323.25	23.50	-169.00	34.00	0.00
1 * A	12.00	326.75	23.50	-173.60	35.30	0.00
1 * A	12.00	330.25	23.50	-180.00	35.00	0.00
1 * A	12.00	333.75	23.50	-180.00	35.00	0.00
1 * A	12.00	337.25	23.50	-180.00	35.00	0.00
1 * A	12.00	340.75	23.50	174.59	34.82	0.00
1 * A	12.00	344.25	23.50	175.51	35.04	0.00
1 * A	12.00	347.75	23.50	174.30	35.20	0.00
1 * A	12.00	351.25	23.50	174.20	35.00	0.00
1 * A	12.00	354.75	23.50	173.00	35.40	0.00
1 * A	12.00	358.25	23.50	172.30	34.80	0.00
1 * A	12.00	361.75	23.50	171.40	36.40	0.00
1 * A	12.00	365.25	23.50	173.20	35.80	0.00
1 * A	12.00	368.75	23.50	172.00	36.30	0.00
1 * A	12.00	372.25	23.50	176.10	35.60	0.00