**Luminaire**
Code 0232005xU+P-700CU
Name Siam-120 Red Ribbon
**Measurem.**
Code SIAM 02 ROJA
Name SIAM 03 6x30W ELT roja + opal

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 2387.48 lm | Luminaire Power | 120.00 W | Efficacy | 19.90 lm/W | Efficiency | 33.16% |
| Lamps Flux | 7200.00 lm | Maximum value | 80.71 cd/klm | Position | C=75.00 G=180.00 | CG | Double Symmetrical |

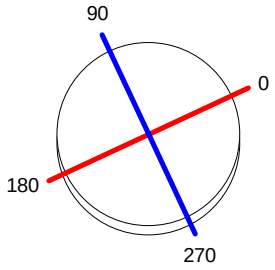
| | | | |
|---|---|---|---|
| Round Luminaire | Diam. 1200 mm | Height | 270 mm |
| Round Luminous Area | Diam. 1200 mm | Height | 270 mm |
| Horizontal Luminous Area | 1.130973 m2 | Emitting area on Plane 180° | 0.324000 m2 |
| Emitting area on Plane 0° | 0.324000 m2 | Emitting area on Plane 270° | 0.324000 m2 |
| Emitting area on Plane 90° | 0.324000 m2 | Glare area at 76° | 0.587983 m2 |
| Coordinate system | CG | Symmetry Type | Double Symmetrical |
| Date | 08-03-2012 | Maximum Gamma Angle | 180 |
| Measurement Distance | 6.44 | Measurement Flux | 8955.00 lm |
| Operator | Asselum T2 | Source voltage | |
| Temperature | 20.00 °C | Source current | |
| Humidity | 50.00 % | Photocell | PRC |
| Notes | | | |

**Luminaire Lamps**

| Line | Code | Name | Flux [lm] | Pow. [W] | Q.ty |
|---|---|---|---|---|---|
| - BOVER | 49885 | FLE20TBX/2/SW/CD | 1200.00 | 20.00 | 6 |

| | | | |
|---|---|---|---|
| C.I.E. | 46 76 93 17 33 | D DIN 5040 | D33 |
| F UTE | 0.06 E + 0.28 T | B NBN | BZ 5 |

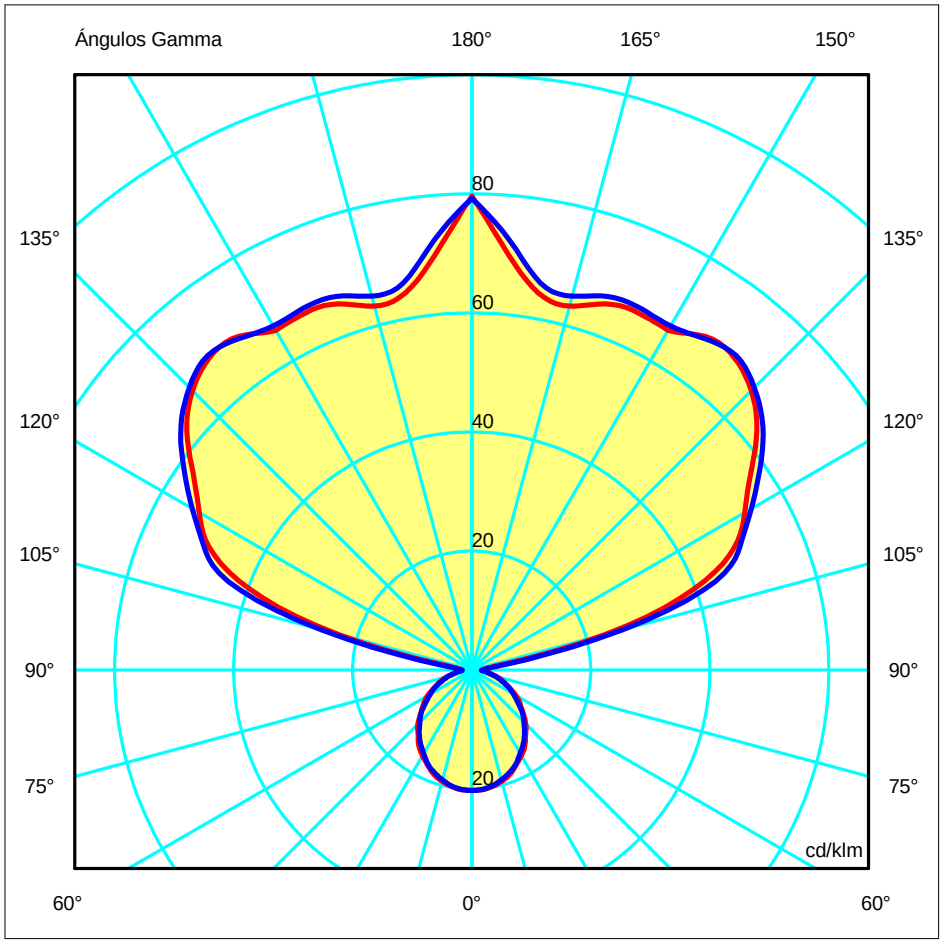
Diam=1200mm




Semiplanos C

180.0 — 0.0

270.0 — 90.0




| | |
|---|---|
| ULOR | 27.53 % |
| DLOR | 5.63 % |
| RN | 83.03 % |

**Luminaire**
Code 0232005xU+P-700CU
Name Siam-120 Red Ribbon
**Measurem.**
Code SIAM 02 ROJA
Name SIAM 03 6x30W ELT roja + opal

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 2387.48 lm | Luminaire Power | 120.00 W | Efficacy | 19.90 lm/W | Efficiency | 33.16% |
| Lamps Flux | 7200.00 lm | Maximum value | 80.71 cd/klm | Position | C=75.00 G=180.00 | CG | Double Symmetrical |

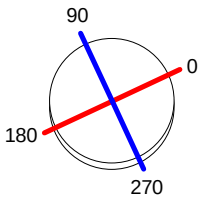
**Luminous Intensity Table cd/klm** **Table 1/1**

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 | 20.22 |
| G 5.0 | 20.17 | 20.08 | 20.09 | 20.10 | 20.08 | 20.10 | 20.09 |
| G 10.0 | 19.84 | 19.73 | 19.75 | 19.74 | 19.72 | 19.76 | 19.74 |
| G 15.0 | 19.33 | 19.08 | 19.11 | 19.10 | 19.06 | 19.14 | 19.08 |
| G 20.0 | 18.65 | 18.27 | 18.29 | 18.29 | 18.28 | 18.33 | 18.33 |
| G 25.0 | 17.60 | 17.32 | 17.28 | 17.29 | 17.35 | 17.31 | 17.43 |
| G 30.0 | 16.59 | 16.13 | 16.16 | 16.13 | 16.13 | 16.18 | 16.18 |
| G 35.0 | 15.52 | 15.00 | 15.04 | 15.00 | 15.02 | 15.07 | 15.06 |
| G 40.0 | 14.06 | 13.67 | 13.71 | 13.67 | 13.68 | 13.74 | 13.74 |
| G 45.0 | 12.83 | 12.28 | 12.32 | 12.27 | 12.28 | 12.35 | 12.35 |
| G 50.0 | 11.22 | 10.98 | 11.01 | 10.97 | 10.98 | 11.06 | 11.06 |
| G 55.0 | 9.92 | 9.50 | 9.54 | 9.48 | 9.43 | 9.57 | 9.44 |
| G 60.0 | 8.59 | 8.01 | 8.04 | 8.00 | 8.01 | 8.10 | 8.07 |
| G 65.0 | 6.96 | 6.64 | 6.59 | 6.63 | 6.70 | 6.68 | 6.81 |
| G 70.0 | 5.73 | 5.16 | 5.21 | 5.20 | 5.31 | 5.35 | 5.37 |
| G 75.0 | 4.46 | 3.97 | 4.03 | 4.08 | 4.14 | 4.17 | 4.14 |
| G 80.0 | 3.08 | 2.95 | 3.02 | 3.02 | 3.02 | 3.04 | 2.94 |
| G 85.0 | 2.52 | 2.21 | 2.21 | 2.16 | 2.15 | 2.17 | 2.11 |
| G 90.0 | 1.74 | 1.73 | 1.71 | 1.69 | 1.63 | 1.67 | 1.61 |
| G 95.0 | 1.99 | 2.46 | 2.38 | 2.39 | 2.29 | 2.40 | 2.37 |
| G100.0 | 3.78 | 7.84 | 7.10 | 8.15 | 6.20 | 9.02 | 6.35 |
| G105.0 | 23.17 | 25.82 | 26.27 | 25.29 | 25.16 | 25.47 | 26.12 |
| G110.0 | 39.63 | 42.06 | 43.08 | 41.69 | 42.64 | 41.45 | 43.53 |
| G115.0 | 48.64 | 49.17 | 49.95 | 49.23 | 48.69 | 48.91 | 49.78 |
| G120.0 | 52.91 | 54.15 | 54.32 | 53.99 | 49.86 | 54.63 | 54.22 |
| G125.0 | 57.10 | 59.21 | 58.01 | 56.72 | 52.76 | 58.99 | 59.09 |
| G130.0 | 62.53 | 63.75 | 61.95 | 56.73 | 57.62 | 62.84 | 63.82 |
| G135.0 | 66.38 | 66.51 | 64.19 | 58.92 | 61.30 | 64.81 | 67.13 |
| G140.0 | 68.58 | 68.16 | 65.79 | 64.14 | 63.97 | 65.59 | 69.03 |
| G145.0 | 68.44 | 67.93 | 67.62 | 67.68 | 65.91 | 65.41 | 68.03 |
| G150.0 | 65.94 | 66.32 | 68.95 | 67.98 | 66.78 | 65.68 | 66.78 |
| G155.0 | 66.21 | 65.85 | 65.94 | 66.73 | 65.52 | 66.00 | 67.07 |
| G160.0 | 65.47 | 63.10 | 63.28 | 62.00 | 63.56 | 64.44 | 66.79 |
| G165.0 | 63.31 | 61.17 | 60.32 | 59.41 | 59.60 | 62.87 | 65.06 |
| G170.0 | 64.35 | 62.77 | 61.95 | 60.74 | 61.68 | 63.56 | 66.08 |
| G175.0 | 70.15 | 69.07 | 70.66 | 67.26 | 70.93 | 70.12 | 72.52 |
| G180.0 | 79.59 | 79.66 | 78.01 | 78.03 | 78.03 | 80.71 | 79.24 |

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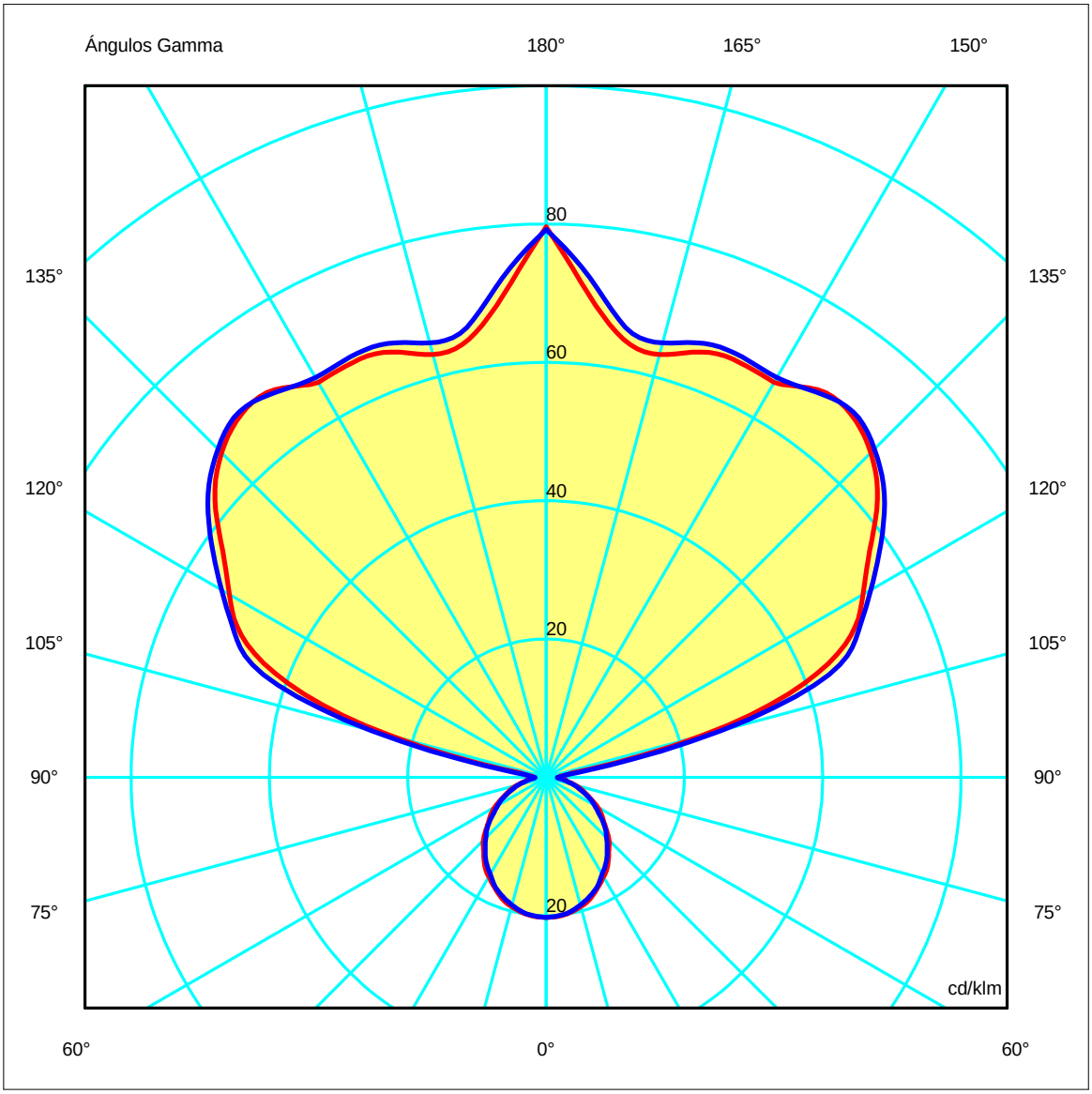
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Diam=1200mm




Semiplanos C

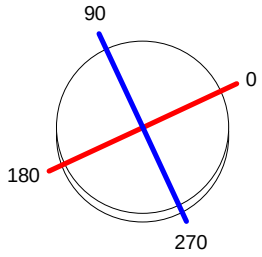


**Luminaire**
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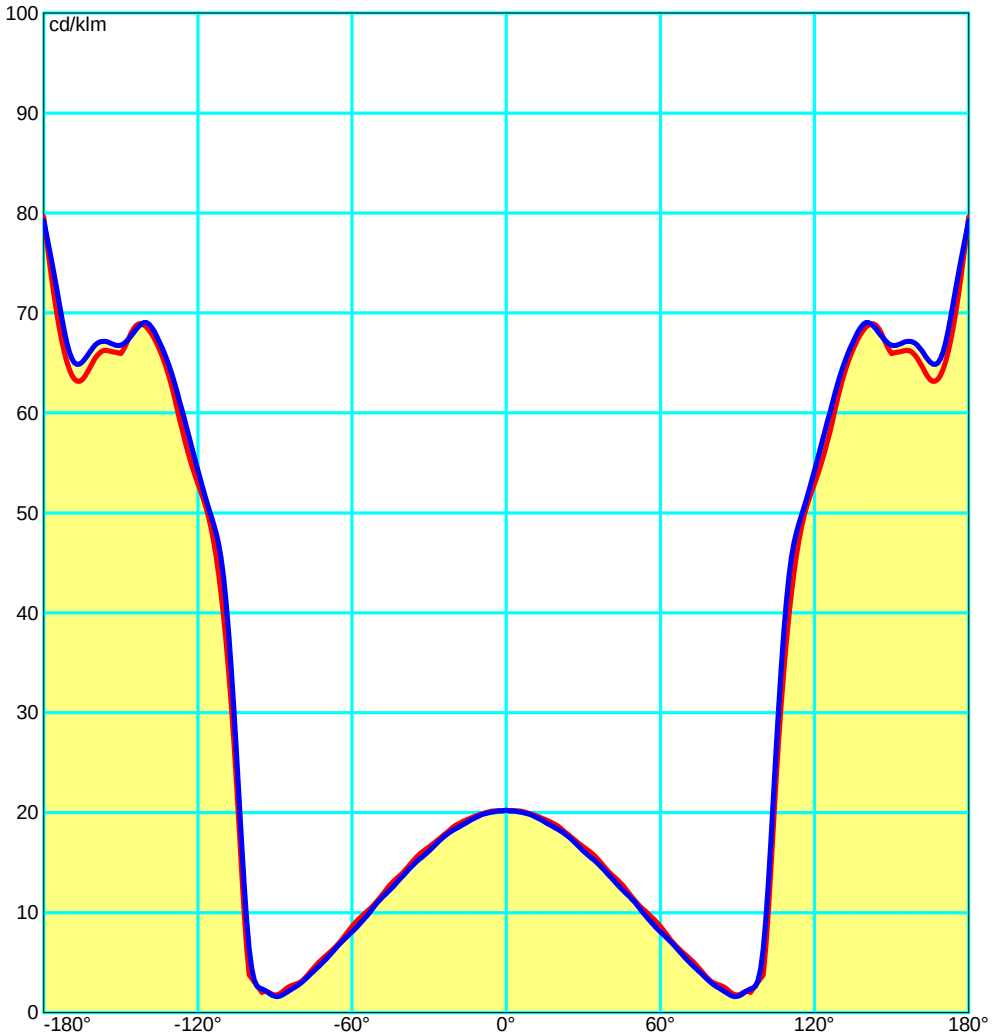
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|---|---|---|---|---|---|---|---|
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Diam=1200mm




Semiplanos C



**Luminaire**
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Flujo Total=7200.00 Flujo Luminaria=2387.48

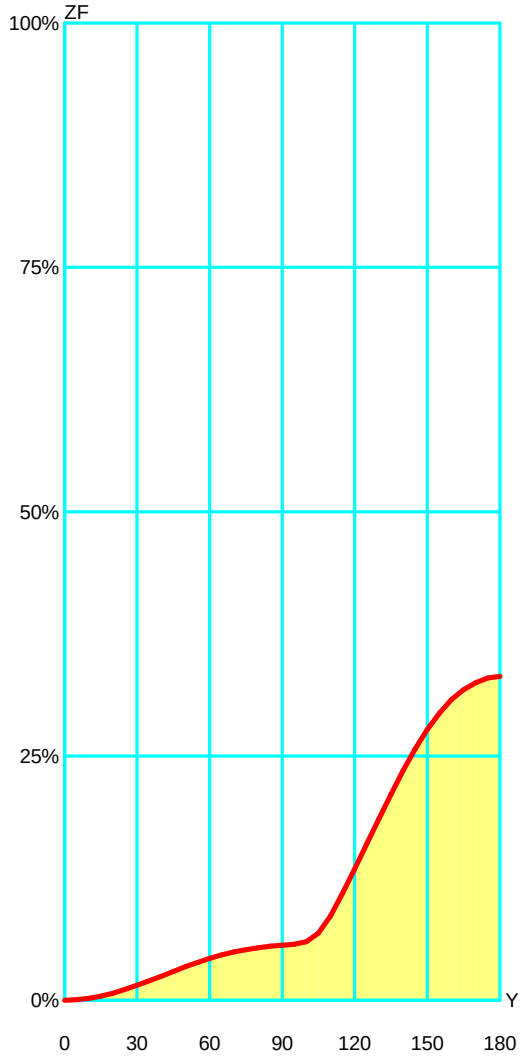
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.30 | 0.38 | 0.45 | 0.52 | 0.58 | 0.66 | 0.72 | 0.76 | 0.81 | 0.84 | 0.91 | 0.95 |
| RC | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |

Flujo Zonal por 1000 Lúmenes

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 2 | 7 | 15 | 25 | 34 | 43 | 49 | 54 | 56 | 60 | 86 | 134 | 186 | 235 | 277 | 307 | 325 | 332 |

Códigos de Flujo C.I.E.
46 76 93 17 33

| | | | |
|---|---|---|---|
| C.I.E. | 5/5/5/5/5/5/5/6/6/6/6 | LOR | 33.15943 % |
| D DIN 5040 | D33 | ULOR | 27.53369 % |
| F UTE | 0.06 E + 0.28 T | DLOR | 5.62575 % |
| B NBN | BZ 5 | UFF | 83.03425 % |
| RN | 83.03425 % | DFF | 16.96575 % |
| BLF | 1.0 | FFR | 489.42271 % |




| Flujo Zonal | | | | |
|---|---|---|---|---|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 0.48 | 0.48 | 0.15 % | 0.15 % |
| 10° | 1.43 | 1.91 | 0.43 % | 0.58 % |
| 15° | 2.31 | 4.21 | 0.70 % | 1.27 % |
| 20° | 3.09 | 7.30 | 0.93 % | 2.20 % |
| 25° | 3.74 | 11.04 | 1.13 % | 3.33 % |
| 30° | 4.24 | 15.28 | 1.28 % | 4.61 % |
| 35° | 4.60 | 19.89 | 1.39 % | 6.00 % |
| 40° | 4.81 | 24.69 | 1.45 % | 7.45 % |
| 45° | 4.83 | 29.52 | 1.46 % | 8.90 % |
| 50° | 4.72 | 34.24 | 1.42 % | 10.33 % |
| 55° | 4.47 | 38.71 | 1.35 % | 11.67 % |
| 60° | 4.07 | 42.79 | 1.23 % | 12.90 % |
| 65° | 3.59 | 46.38 | 1.08 % | 13.99 % |
| 70° | 3.04 | 49.41 | 0.92 % | 14.90 % |
| 75° | 2.46 | 51.87 | 0.74 % | 15.64 % |
| 80° | 1.91 | 53.78 | 0.57 % | 16.22 % |
| 85° | 1.42 | 55.19 | 0.43 % | 16.64 % |
| 90° | 1.06 | 56.26 | 0.32 % | 16.97 % |
| 95° | 1.10 | 57.36 | 0.33 % | 17.30 % |
| 100° | 2.60 | 59.97 | 0.78 % | 18.08 % |
| 105° | 8.74 | 68.71 | 2.64 % | 20.72 % |
| 110° | 17.65 | 86.36 | 5.32 % | 26.04 % |
| 115° | 23.11 | 109.47 | 6.97 % | 33.01 % |
| 120° | 24.94 | 134.41 | 7.52 % | 40.54 % |
| 125° | 25.59 | 160.00 | 7.72 % | 48.25 % |
| 130° | 25.72 | 185.73 | 7.76 % | 56.01 % |
| 135° | 25.21 | 210.94 | 7.60 % | 63.61 % |
| 140° | 24.04 | 234.98 | 7.25 % | 70.86 % |
| 145° | 22.22 | 257.20 | 6.70 % | 77.56 % |
| 150° | 19.75 | 276.95 | 5.96 % | 83.52 % |
| 155° | 16.85 | 293.80 | 5.08 % | 88.60 % |
| 160° | 13.62 | 307.42 | 4.11 % | 92.71 % |
| 165° | 10.30 | 317.72 | 3.11 % | 95.82 % |
| 170° | 7.35 | 325.07 | 2.22 % | 98.03 % |
| 175° | 4.74 | 329.81 | 1.43 % | 99.46 % |
| 180° | 1.78 | 331.59 | 0.54 % | 100.00 % |

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**UGR**
S = 0.250

| Reflectancies | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| WorkingPlane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | | | |
| RoomDimensions | ViewedCrosswise | | | | | ViewedEndwise | | | | |
| x=2H y=2H | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 |
| x=2H y=3H | < 0 | < 0 | < 0 | < 0 | 0.3 | < 0 | < 0 | < 0 | < 0 | 0.3 |
| x=2H y=4H | < 0 | < 0 | < 0 | < 0 | 0.8 | < 0 | < 0 | < 0 | < 0 | 0.8 |
| x=2H y=6H | < 0 | < 0 | < 0 | < 0 | 1.1 | < 0 | < 0 | < 0 | < 0 | 1.1 |
| x=2H y=8H | < 0 | < 0 | < 0 | < 0 | 1.3 | < 0 | < 0 | < 0 | < 0 | 1.3 |
| x=2H y=12H | < 0 | < 0 | < 0 | < 0 | 1.4 | < 0 | < 0 | < 0 | < 0 | 1.4 |
| x=4H y=2H | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 | < 0 |
| x=4H y=3H | < 0 | < 0 | < 0 | < 0 | 0.8 | < 0 | < 0 | < 0 | < 0 | 0.8 |
| x=4H y=4H | < 0 | < 0 | < 0 | < 0 | 1.4 | < 0 | < 0 | < 0 | < 0 | 1.4 |
| x=4H y=6H | < 0 | < 0 | < 0 | 0.2 | 2.0 | < 0 | < 0 | < 0 | 0.3 | 2.0 |
| x=4H y=8H | < 0 | < 0 | 0.2 | 0.4 | 2.2 | < 0 | < 0 | 0.2 | 0.5 | 2.2 |
| x=4H y=12H | < 0 | < 0 | 0.5 | 0.7 | 2.4 | < 0 | < 0 | 0.4 | 0.7 | 2.4 |
| x=8H y=4H | < 0 | < 0 | < 0 | < 0 | 1.6 | < 0 | < 0 | < 0 | < 0 | 1.6 |
| x=8H y=6H | < 0 | < 0 | 0.3 | 0.5 | 2.3 | < 0 | < 0 | 0.3 | 0.6 | 2.3 |
| x=8H y=8H | < 0 | < 0 | 0.6 | 0.8 | 2.5 | < 0 | < 0 | 0.6 | 0.8 | 2.5 |
| x=8H y=12H | < 0 | < 0 | 1.0 | 1.2 | 2.9 | < 0 | < 0 | 1.0 | 1.1 | 2.9 |
| x=12H y=4H | < 0 | < 0 | < 0 | < 0 | 1.6 | < 0 | < 0 | < 0 | < 0 | 1.6 |
| x=12H y=6H | < 0 | < 0 | 0.3 | 0.5 | 2.3 | < 0 | < 0 | 0.4 | 0.6 | 2.3 |
| x=12H y=8H | < 0 | < 0 | 0.7 | 0.9 | 2.6 | < 0 | < 0 | 0.7 | 0.9 | 2.6 |

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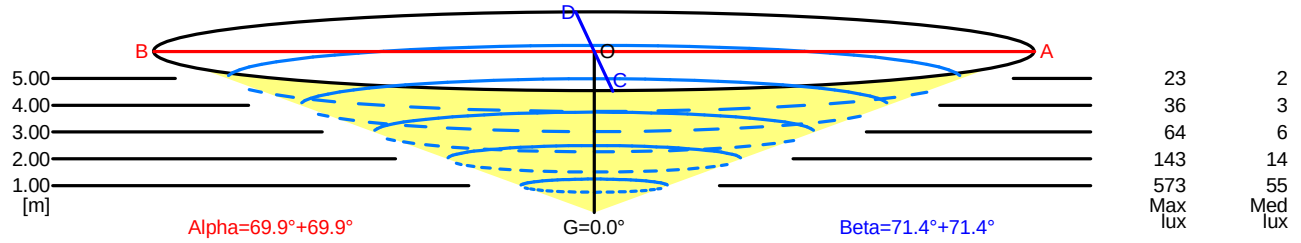
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Width at 50.00 % of Max Intensity

| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OA | 2.74 | 5.47 | 8.21 | 10.95 | 13.68 | OC | 2.97 | 5.94 | 8.91 | 11.88 | 14.85 |
| OB | 2.74 | 5.47 | 8.21 | 10.95 | 13.68 | OD | 2.97 | 5.94 | 8.91 | 11.88 | 14.85 |

Luminous Intensities [ cd/klm]

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 573.07 | 505.10 | 455.83 | 476.68 | 492.79 | 477.97 | 411.15 | 350.21 | 166.80 | 14.36 |
| OB | 573.07 | 505.10 | 455.83 | 476.68 | 492.79 | 477.97 | 411.15 | 350.21 | 166.80 | 14.36 |
| OC | 570.51 | 522.13 | 468.43 | 482.93 | 489.81 | 483.33 | 425.43 | 358.39 | 188.03 | 17.08 |
| OD | 570.51 | 522.13 | 468.43 | 482.93 | 489.81 | 483.33 | 425.43 | 358.39 | 188.03 | 17.08 |




| | | | | |
|---|---|---|---|---|
| 5.00 | 27.37 | 23 | 2 | |
| 4.00 | 21.90 | 36 | 3 | |
| 3.00 | 16.42 | 64 | 6 | |
| 2.00 | 10.95 | 143 | 14 | |
| 1.00 | 5.47 | 573 | 55 | |
| H[m] | D[m] | Max lux | Med lux | Alpha=69.9°+69.9° G=0.0 |

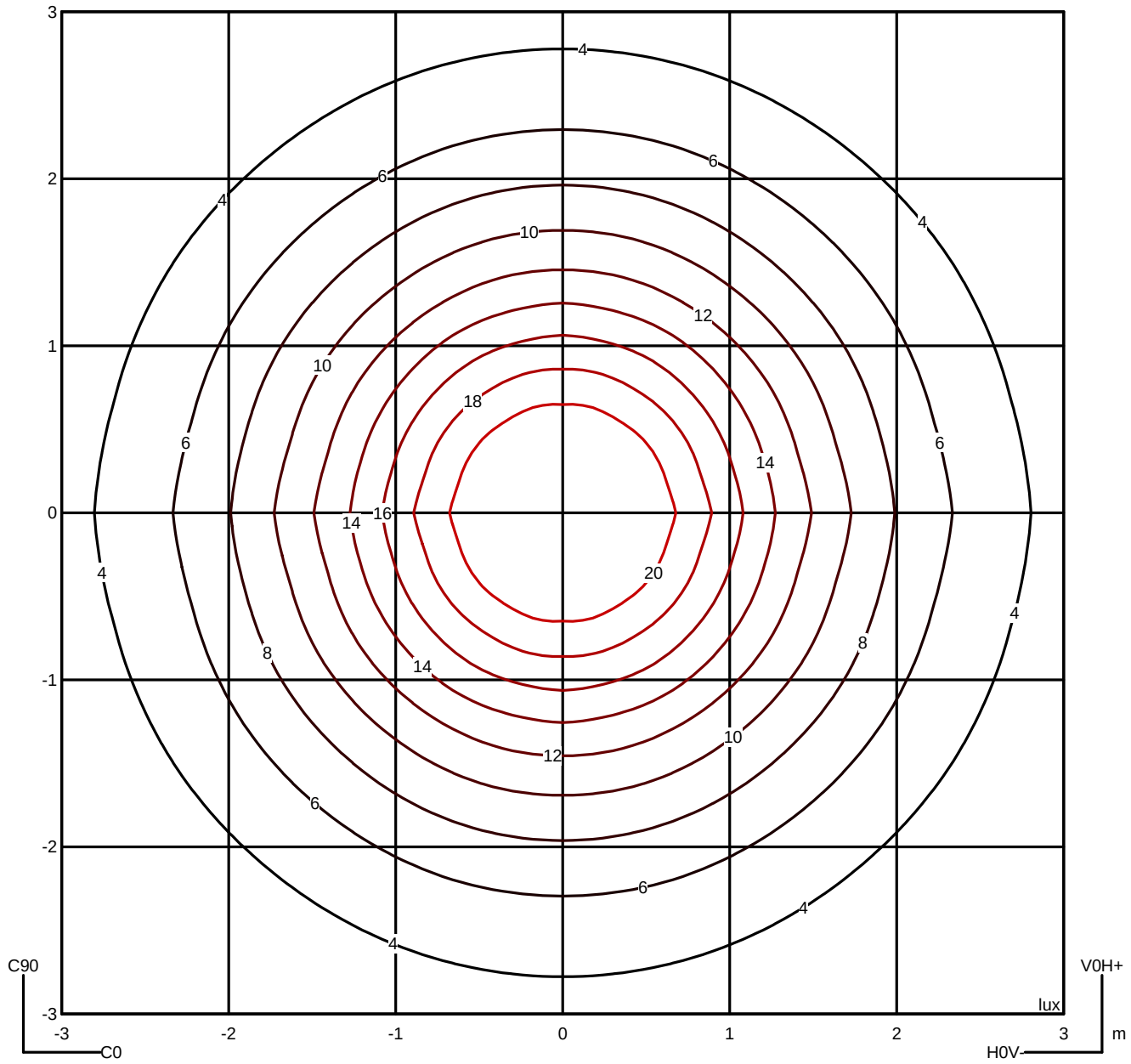
| | | | | |
|---|---|---|---|---|
| 5.00 | 29.69 | 23 | 2 | |
| 4.00 | 23.75 | 36 | 3 | |
| 3.00 | 17.81 | 64 | 6 | |
| 2.00 | 11.88 | 143 | 14 | |
| 1.00 | 5.94 | 573 | 55 | |
| H[m] | D[m] | Max lux | Med lux | Beta=71.4°+71.4° G=0.0 |

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Isolux (Floor)

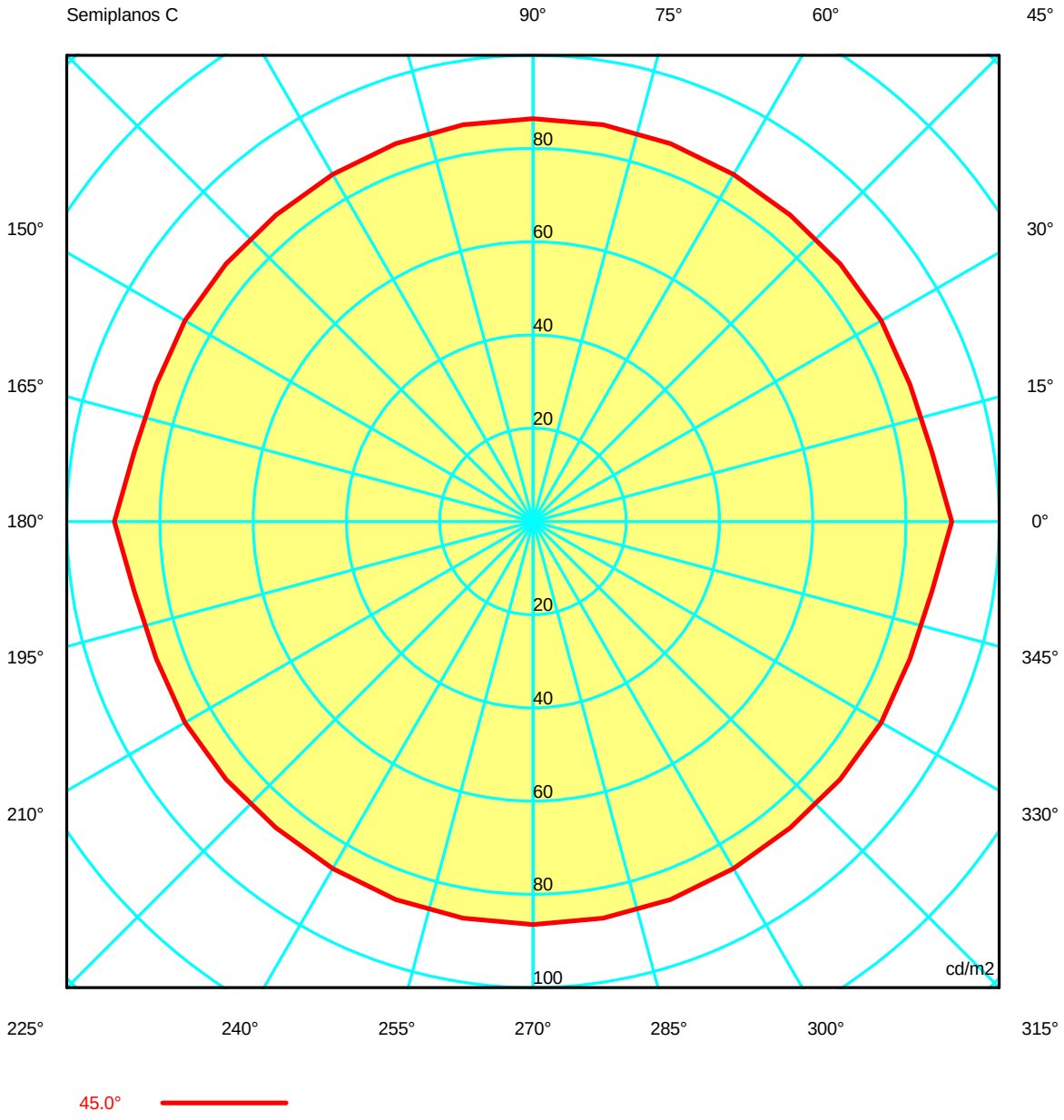
Luminaire position X=0.00m Y=0.00m Z=2.50m



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Luminance



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| Luminaire Flux | 2387.48 lm | Luminaire Power | 120.00 W | Efficacy | 19.90 lm/W | Efficiency | 33.16% |
|---|---|---|---|---|---|---|---|
| Lamps Flux | 7200.00 lm | Maximum value | 80.71 cd/klm | Position | C=75.00 G=180.00 | CG | Double Symmetrical |

**Luminance cd/m2** **Table 1/3**

| | C 0.00 | C 10.00 | C 20.00 | C 30.00 | C 40.00 | C 50.00 | C 60.00 | C 70.00 | C 80.00 | C 90.00 | C 100.00 | C 110.00 | C 120.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 |
| G 5.0 | 125.74 | 125.31 | 125.21 | 125.25 | 125.30 | 125.26 | 125.21 | 125.26 | 125.28 | 125.23 | 125.28 | 125.26 | 125.21 |
| G 10.0 | 122.06 | 121.57 | 121.45 | 121.50 | 121.51 | 121.40 | 121.35 | 121.53 | 121.62 | 121.50 | 121.62 | 121.53 | 121.35 |
| G 15.0 | 118.34 | 117.16 | 116.86 | 116.95 | 116.99 | 116.79 | 116.69 | 117.02 | 117.13 | 116.78 | 117.13 | 117.02 | 116.69 |
| G 20.0 | 114.40 | 112.63 | 112.14 | 112.22 | 112.20 | 112.14 | 112.15 | 112.36 | 112.46 | 112.46 | 112.46 | 112.36 | 112.15 |
| G 25.0 | 109.05 | 107.73 | 107.23 | 107.10 | 107.07 | 107.27 | 107.53 | 107.30 | 107.37 | 107.99 | 107.37 | 107.30 | 107.53 |
| G 30.0 | 104.66 | 102.39 | 101.79 | 101.91 | 101.82 | 101.72 | 101.77 | 101.99 | 102.10 | 102.05 | 102.10 | 101.99 | 101.77 |
| G 35.0 | 100.44 | 97.86 | 97.21 | 97.37 | 97.20 | 97.08 | 97.25 | 97.50 | 97.59 | 97.49 | 97.59 | 97.50 | 97.25 |
| G 40.0 | 94.21 | 92.18 | 91.69 | 91.85 | 91.69 | 91.56 | 91.69 | 91.95 | 92.06 | 92.08 | 92.06 | 91.95 | 91.69 |
| G 45.0 | 89.80 | 86.81 | 86.04 | 86.22 | 85.99 | 85.80 | 85.96 | 86.27 | 86.42 | 86.46 | 86.42 | 86.27 | 85.96 |
| G 50.0 | 82.88 | 81.48 | 81.17 | 81.31 | 81.11 | 80.95 | 81.07 | 81.47 | 81.64 | 81.64 | 81.64 | 81.47 | 81.07 |
| G 55.0 | 78.13 | 75.56 | 74.95 | 75.18 | 75.00 | 74.40 | 74.26 | 75.08 | 75.27 | 74.34 | 75.27 | 75.08 | 74.26 |
| G 60.0 | 73.14 | 69.31 | 68.27 | 68.42 | 68.17 | 67.96 | 68.19 | 68.75 | 68.97 | 68.71 | 68.97 | 68.75 | 68.19 |
| G 65.0 | 64.99 | 62.76 | 61.59 | 61.49 | 61.67 | 62.12 | 62.53 | 62.36 | 62.61 | 63.57 | 62.61 | 62.36 | 62.53 |
| G 70.0 | 59.63 | 55.05 | 53.94 | 54.31 | 54.25 | 54.47 | 55.35 | 55.67 | 55.76 | 55.93 | 55.76 | 55.67 | 55.35 |
| G 75.0 | 53.01 | 48.43 | 46.91 | 47.93 | 48.38 | 48.67 | 49.21 | 49.53 | 49.48 | 49.17 | 49.48 | 49.53 | 49.21 |
| G 80.0 | 42.98 | 41.47 | 41.33 | 42.14 | 42.15 | 42.16 | 42.18 | 42.50 | 42.18 | 41.07 | 42.18 | 42.50 | 42.18 |
| G 85.0 | 43.05 | 38.98 | 37.73 | 37.69 | 37.22 | 36.78 | 36.74 | 36.99 | 36.81 | 36.06 | 36.81 | 36.99 | 36.74 |
| G 90.0 | 38.74 | 38.56 | 38.33 | 38.08 | 37.79 | 36.94 | 36.20 | 36.82 | 36.94 | 35.84 | 36.94 | 36.82 | 36.20 |

**Luminaire**
Code 0232005xU+P-700CU
Name Siam-120 Red Ribbon
**Measurem.**
Code SIAM 02 ROJA
Name SIAM 03 6x30W ELT roja + opal

| | | | | | | |
|---|---|---|---|---|---|---|
| Luminaire Flux | 2387.48 lm | Luminaire Power | 120.00 W | Efficacy | 19.90 lm/W | Efficiency 33.16% |
| Lamps Flux | 7200.00 lm | Maximum value | 80.71 cd/klm | Position | C=75.00 G=180.00 | CG Double Symmetrical |

**Luminance cd/m2** **Table 2/3**

| | C 130.00 | C 140.00 | C 150.00 | C 160.00 | C 170.00 | C 180.00 | C 190.00 | C 200.00 | C 210.00 | C 220.00 | C 230.00 | C 240.00 | C 250.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 |
| G 5.0 | 125.26 | 125.30 | 125.25 | 125.21 | 125.31 | 125.74 | 125.31 | 125.21 | 125.25 | 125.30 | 125.26 | 125.21 | 125.26 |
| G 10.0 | 121.40 | 121.51 | 121.50 | 121.45 | 121.57 | 122.06 | 121.57 | 121.45 | 121.50 | 121.51 | 121.40 | 121.35 | 121.53 |
| G 15.0 | 116.79 | 116.99 | 116.95 | 116.86 | 117.16 | 118.34 | 117.16 | 116.86 | 116.95 | 116.99 | 116.79 | 116.69 | 117.02 |
| G 20.0 | 112.14 | 112.20 | 112.22 | 112.14 | 112.63 | 114.40 | 112.63 | 112.14 | 112.22 | 112.20 | 112.14 | 112.15 | 112.36 |
| G 25.0 | 107.27 | 107.07 | 107.10 | 107.23 | 107.73 | 109.05 | 107.73 | 107.23 | 107.10 | 107.07 | 107.27 | 107.53 | 107.30 |
| G 30.0 | 101.72 | 101.82 | 101.91 | 101.79 | 102.39 | 104.66 | 102.39 | 101.79 | 101.91 | 101.82 | 101.72 | 101.77 | 101.99 |
| G 35.0 | 97.08 | 97.20 | 97.37 | 97.21 | 97.86 | 100.44 | 97.86 | 97.21 | 97.37 | 97.20 | 97.08 | 97.25 | 97.50 |
| G 40.0 | 91.56 | 91.69 | 91.85 | 91.69 | 92.18 | 94.21 | 92.18 | 91.69 | 91.85 | 91.69 | 91.56 | 91.69 | 91.95 |
| G 45.0 | 85.80 | 85.99 | 86.22 | 86.04 | 86.81 | 89.80 | 86.81 | 86.04 | 86.22 | 85.99 | 85.80 | 85.96 | 86.27 |
| G 50.0 | 80.95 | 81.11 | 81.31 | 81.17 | 81.48 | 82.88 | 81.48 | 81.17 | 81.31 | 81.11 | 80.95 | 81.07 | 81.47 |
| G 55.0 | 74.40 | 75.00 | 75.18 | 74.95 | 75.56 | 78.13 | 75.56 | 74.95 | 75.18 | 75.00 | 74.40 | 74.26 | 75.08 |
| G 60.0 | 67.96 | 68.17 | 68.42 | 68.27 | 69.31 | 73.14 | 69.31 | 68.27 | 68.42 | 68.17 | 67.96 | 68.19 | 68.75 |
| G 65.0 | 62.12 | 61.67 | 61.49 | 61.59 | 62.76 | 64.99 | 62.76 | 61.59 | 61.49 | 61.67 | 62.12 | 62.53 | 62.36 |
| G 70.0 | 54.47 | 54.25 | 54.31 | 53.94 | 55.05 | 59.63 | 55.05 | 53.94 | 54.31 | 54.25 | 54.47 | 55.35 | 55.67 |
| G 75.0 | 48.67 | 48.38 | 47.93 | 46.91 | 48.43 | 53.01 | 48.43 | 46.91 | 47.93 | 48.38 | 48.67 | 49.21 | 49.53 |
| G 80.0 | 42.16 | 42.15 | 42.14 | 41.33 | 41.47 | 42.98 | 41.47 | 41.33 | 42.14 | 42.15 | 42.16 | 42.18 | 42.50 |
| G 85.0 | 36.78 | 37.22 | 37.69 | 37.73 | 38.98 | 43.05 | 38.98 | 37.73 | 37.69 | 37.22 | 36.78 | 36.74 | 36.99 |
| G 90.0 | 36.94 | 37.79 | 38.08 | 38.33 | 38.56 | 38.74 | 38.56 | 38.33 | 38.08 | 37.79 | 36.94 | 36.20 | 36.82 |

**Luminaire**
Code 0232005xU+P-700CU
Name Siam-120 Red Ribbon
**Measurem.**
Code SIAM 02 ROJA
Name SIAM 03 6x30W ELT roja + opal

| | | | | | | |
|---|---|---|---|---|---|---|
| Luminaire Flux | 2387.48 lm | Luminaire Power | 120.00 W | Efficacy | 19.90 lm/W | Efficiency 33.16% |
| Lamps Flux | 7200.00 lm | Maximum value | 80.71 cd/klm | Position | C=75.00 G=180.00 | CG Double Symmetrical |

**Luminance cd/m2** **Table 3/3**

| | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 | 128.71 |
| G 5.0 | 125.28 | 125.23 | 125.28 | 125.26 | 125.21 | 125.26 | 125.30 | 125.25 | 125.21 | 125.31 |
| G 10.0 | 121.62 | 121.50 | 121.62 | 121.53 | 121.35 | 121.40 | 121.51 | 121.50 | 121.45 | 121.57 |
| G 15.0 | 117.13 | 116.78 | 117.13 | 117.02 | 116.69 | 116.79 | 116.99 | 116.95 | 116.86 | 117.16 |
| G 20.0 | 112.46 | 112.46 | 112.46 | 112.36 | 112.15 | 112.14 | 112.20 | 112.22 | 112.14 | 112.63 |
| G 25.0 | 107.37 | 107.99 | 107.37 | 107.30 | 107.53 | 107.27 | 107.07 | 107.10 | 107.23 | 107.73 |
| G 30.0 | 102.10 | 102.05 | 102.10 | 101.99 | 101.77 | 101.72 | 101.82 | 101.91 | 101.79 | 102.39 |
| G 35.0 | 97.59 | 97.49 | 97.59 | 97.50 | 97.25 | 97.08 | 97.20 | 97.37 | 97.21 | 97.86 |
| G 40.0 | 92.06 | 92.08 | 92.06 | 91.95 | 91.69 | 91.56 | 91.69 | 91.85 | 91.69 | 92.18 |
| G 45.0 | 86.42 | 86.46 | 86.42 | 86.27 | 85.96 | 85.80 | 85.99 | 86.22 | 86.04 | 86.81 |
| G 50.0 | 81.64 | 81.64 | 81.64 | 81.47 | 81.07 | 80.95 | 81.11 | 81.31 | 81.17 | 81.48 |
| G 55.0 | 75.27 | 74.34 | 75.27 | 75.08 | 74.26 | 74.40 | 75.00 | 75.18 | 74.95 | 75.56 |
| G 60.0 | 68.97 | 68.71 | 68.97 | 68.75 | 68.19 | 67.96 | 68.17 | 68.42 | 68.27 | 69.31 |
| G 65.0 | 62.61 | 63.57 | 62.61 | 62.36 | 62.53 | 62.12 | 61.67 | 61.49 | 61.59 | 62.76 |
| G 70.0 | 55.76 | 55.93 | 55.76 | 55.67 | 55.35 | 54.47 | 54.25 | 54.31 | 53.94 | 55.05 |
| G 75.0 | 49.48 | 49.17 | 49.48 | 49.53 | 49.21 | 48.67 | 48.38 | 47.93 | 46.91 | 48.43 |
| G 80.0 | 42.18 | 41.07 | 42.18 | 42.50 | 42.18 | 42.16 | 42.15 | 42.14 | 41.33 | 41.47 |
| G 85.0 | 36.81 | 36.06 | 36.81 | 36.99 | 36.74 | 36.78 | 37.22 | 37.69 | 37.73 | 38.98 |
| G 90.0 | 36.94 | 35.84 | 36.94 | 36.82 | 36.20 | 36.94 | 37.79 | 38.08 | 38.33 | 38.56 |