bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

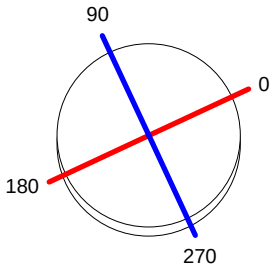
| | | | | | |
|---|---|---|---|---|---|
| Round Luminaire | Diam. 490 mm | | Height | 775 mm | |
| Round Luminous Area | Diam. 490 mm | | Height | 675 mm | |
| Horizontal Luminous Area | 0.188574 m2 | | Emitting area on Plane 180° | | 0.330750 m2 |
| Emitting area on Plane 0° | 0.330750 m2 | | Emitting area on Plane 270° | | 0.330750 m2 |
| Emitting area on Plane 90° | 0.330750 m2 | | Glare area at 76° | | 0.366546 m2 |
| Coordinate system | CG | | Symmetry Type | | Asymmetrical |
| Date | 11-01-2016 | | Maximum Gamma Angle | | 180 |
| Measurement Distance | 6.44 | | Measurement Flux | | 2488.00 lm |
| Operator | Asselum T2 | | Source voltage | | |
| Temperature | 25.00 °C | | Source current | | |
| Humidity | 56.00 % | | Photocell | | Prc |
| Notes | | | | | |

**Luminaire Lamps**

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

| | | | |
|---|---|---|---|
| C.I.E. | 46 73 89 52 14 | D DIN 5040 | C31 |
| F UTE | 0.07 E + 0.07 T | B NBN | BZ 5 |

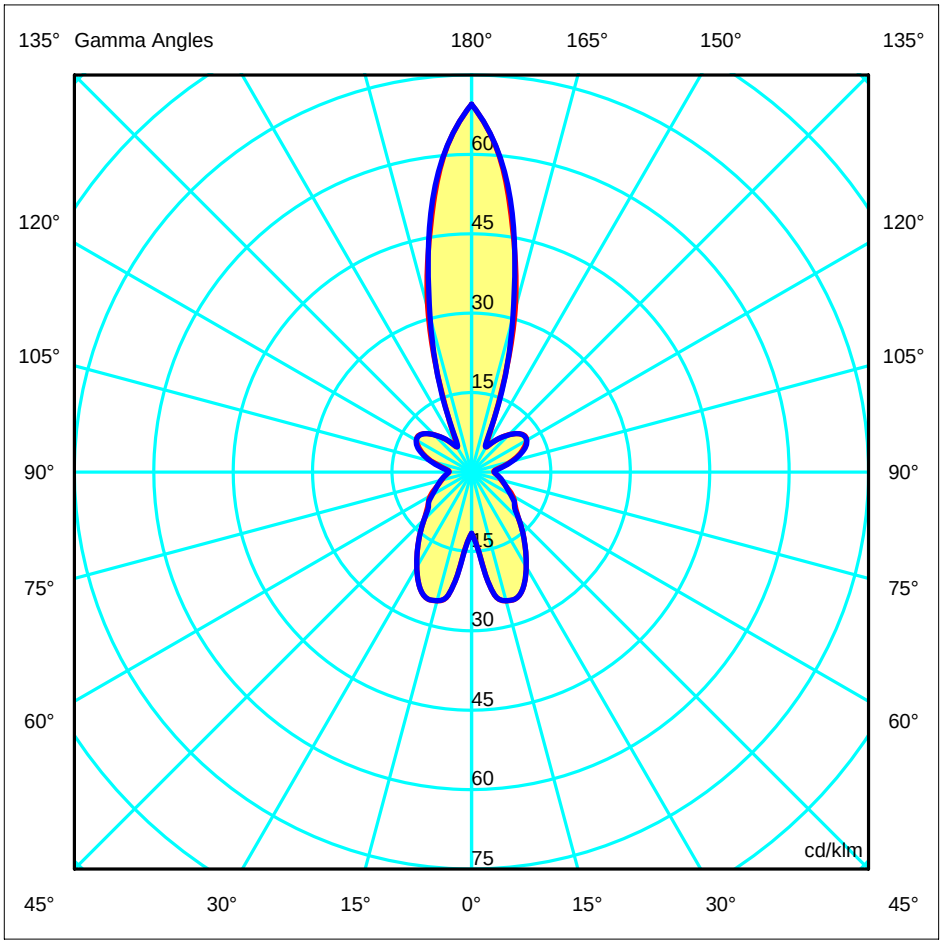
Diam=490mm




C Halfplanes

180.0 — 0.0

270.0 — 90.0




| | |
|---|---|
| ULOR | 6.56 % |
| DLOR | 6.98 % |
| RN | 48.46 % |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
|---|---|---|---|---|---|---|---|
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

**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 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 |
| G 5.0 | 14.85 | 15.69 | 15.57 | 18.71 | 17.21 | 19.62 | 15.00 | 19.62 | 17.21 | 18.71 | 15.57 | 15.69 |
| G 10.0 | 22.93 | 19.99 | 20.03 | 21.87 | 22.87 | 24.63 | 22.90 | 24.63 | 22.87 | 21.87 | 20.03 | 19.99 |
| G 15.0 | 25.18 | 23.05 | 22.96 | 23.33 | 24.73 | 25.68 | 25.15 | 25.68 | 24.73 | 23.33 | 22.96 | 23.05 |
| G 20.0 | 25.28 | 24.13 | 24.58 | 23.46 | 24.07 | 25.46 | 25.25 | 25.46 | 24.07 | 23.46 | 24.58 | 24.13 |
| G 25.0 | 23.47 | 23.02 | 24.78 | 23.28 | 23.97 | 23.02 | 23.45 | 23.02 | 23.97 | 23.28 | 24.78 | 23.02 |
| G 30.0 | 20.73 | 20.88 | 23.02 | 21.31 | 21.93 | 20.16 | 20.70 | 20.16 | 21.93 | 21.31 | 23.02 | 20.88 |
| G 35.0 | 17.74 | 18.13 | 20.33 | 18.80 | 18.89 | 17.88 | 17.75 | 17.88 | 18.89 | 18.80 | 20.33 | 18.13 |
| G 40.0 | 15.13 | 15.52 | 17.73 | 15.59 | 16.18 | 15.30 | 15.10 | 15.30 | 16.18 | 15.59 | 17.73 | 15.52 |
| G 45.0 | 12.65 | 13.03 | 15.06 | 13.28 | 13.94 | 12.85 | 12.65 | 12.85 | 13.94 | 13.28 | 15.06 | 13.03 |
| G 50.0 | 10.95 | 11.85 | 12.94 | 11.78 | 12.21 | 11.18 | 10.68 | 11.18 | 12.21 | 11.78 | 12.94 | 11.85 |
| G 55.0 | 9.96 | 10.56 | 11.08 | 10.41 | 10.10 | 9.47 | 9.85 | 9.47 | 10.10 | 10.41 | 11.08 | 10.56 |
| G 60.0 | 8.98 | 9.12 | 9.42 | 9.00 | 8.85 | 8.32 | 8.47 | 8.32 | 8.85 | 9.00 | 9.42 | 9.12 |
| G 65.0 | 7.70 | 7.69 | 8.03 | 7.69 | 7.71 | 7.25 | 7.54 | 7.25 | 7.71 | 7.69 | 8.03 | 7.69 |
| G 70.0 | 6.59 | 6.54 | 6.81 | 6.65 | 6.72 | 6.60 | 6.58 | 6.60 | 6.72 | 6.65 | 6.81 | 6.54 |
| G 75.0 | 5.80 | 5.82 | 6.02 | 5.96 | 6.01 | 5.98 | 6.00 | 5.98 | 6.01 | 5.96 | 6.02 | 5.82 |
| G 80.0 | 5.25 | 5.22 | 5.40 | 5.35 | 5.42 | 5.34 | 5.31 | 5.34 | 5.42 | 5.35 | 5.40 | 5.22 |
| G 85.0 | 4.67 | 4.67 | 4.77 | 4.73 | 4.78 | 4.71 | 4.71 | 4.71 | 4.78 | 4.73 | 4.77 | 4.67 |
| G 90.0 | 4.25 | 4.22 | 4.32 | 4.28 | 4.39 | 4.23 | 4.30 | 4.23 | 4.39 | 4.28 | 4.32 | 4.22 |
| G 95.0 | 4.49 | 4.45 | 4.55 | 4.48 | 4.71 | 4.63 | 4.75 | 4.63 | 4.71 | 4.48 | 4.55 | 4.45 |
| G100.0 | 5.93 | 5.97 | 6.02 | 6.03 | 6.15 | 6.26 | 6.29 | 6.26 | 6.15 | 6.03 | 6.02 | 5.97 |
| G105.0 | 7.76 | 7.72 | 7.85 | 7.90 | 7.98 | 8.03 | 8.05 | 8.03 | 7.98 | 7.90 | 7.85 | 7.72 |
| G110.0 | 9.59 | 9.49 | 9.58 | 9.76 | 9.83 | 9.76 | 9.84 | 9.76 | 9.83 | 9.76 | 9.58 | 9.49 |
| G115.0 | 10.97 | 10.99 | 11.16 | 11.29 | 11.33 | 11.27 | 11.30 | 11.27 | 11.33 | 11.29 | 11.16 | 10.99 |
| G120.0 | 12.01 | 11.91 | 12.02 | 12.11 | 12.16 | 12.02 | 12.03 | 12.02 | 12.16 | 12.11 | 12.02 | 11.91 |
| G125.0 | 12.14 | 12.09 | 12.17 | 12.18 | 12.22 | 12.02 | 12.03 | 12.02 | 12.22 | 12.18 | 12.17 | 12.09 |
| G130.0 | 11.26 | 11.30 | 11.47 | 11.38 | 11.42 | 11.23 | 11.31 | 11.23 | 11.42 | 11.38 | 11.47 | 11.30 |
| G135.0 | 9.98 | 9.88 | 9.99 | 9.97 | 10.10 | 9.88 | 9.92 | 9.88 | 10.10 | 9.97 | 9.99 | 9.88 |
| G140.0 | 8.37 | 8.33 | 8.37 | 8.35 | 8.48 | 8.36 | 8.42 | 8.36 | 8.48 | 8.35 | 8.37 | 8.33 |
| G145.0 | 6.76 | 6.70 | 6.84 | 6.76 | 6.83 | 6.81 | 6.76 | 6.81 | 6.83 | 6.76 | 6.84 | 6.70 |
| G150.0 | 5.50 | 5.44 | 5.50 | 5.52 | 5.58 | 5.49 | 5.50 | 5.49 | 5.58 | 5.52 | 5.50 | 5.44 |
| G155.0 | 8.34 | 7.96 | 8.09 | 8.12 | 8.44 | 7.62 | 7.62 | 7.62 | 8.44 | 8.12 | 8.09 | 7.96 |
| G160.0 | 17.22 | 17.70 | 17.71 | 17.33 | 17.29 | 17.12 | 17.76 | 17.12 | 17.29 | 17.33 | 17.71 | 17.70 |
| G165.0 | 31.90 | 31.18 | 30.81 | 31.21 | 31.38 | 30.76 | 30.20 | 30.76 | 31.38 | 31.21 | 30.81 | 31.18 |
| G170.0 | 45.45 | 45.75 | 46.08 | 45.37 | 45.74 | 45.87 | 45.99 | 45.87 | 45.74 | 45.37 | 46.08 | 45.75 |
| G175.0 | 59.96 | 60.10 | 60.16 | 60.22 | 60.70 | 60.35 | 60.24 | 60.35 | 60.70 | 60.22 | 60.16 | 60.10 |
| G180.0 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 |

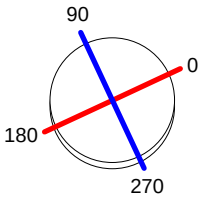
| | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 | 11.60 |
| G 5.0 | 14.85 | 15.69 | 15.57 | 18.71 | 17.21 | 19.62 | 15.00 | 19.62 | 17.21 | 18.71 | 15.57 | 15.69 |
| G 10.0 | 22.93 | 19.99 | 20.03 | 21.87 | 22.87 | 24.63 | 22.90 | 24.63 | 22.87 | 21.87 | 20.03 | 19.99 |
| G 15.0 | 25.18 | 23.05 | 22.96 | 23.33 | 24.73 | 25.68 | 25.15 | 25.68 | 24.73 | 23.33 | 22.96 | 23.05 |
| G 20.0 | 25.28 | 24.13 | 24.58 | 23.46 | 24.07 | 25.46 | 25.25 | 25.46 | 24.07 | 23.46 | 24.58 | 24.13 |
| G 25.0 | 23.47 | 23.02 | 24.78 | 23.28 | 23.97 | 23.02 | 23.45 | 23.02 | 23.97 | 23.28 | 24.78 | 23.02 |
| G 30.0 | 20.73 | 20.88 | 23.02 | 21.31 | 21.93 | 20.16 | 20.70 | 20.16 | 21.93 | 21.31 | 23.02 | 20.88 |
| G 35.0 | 17.74 | 18.13 | 20.33 | 18.80 | 18.89 | 17.88 | 17.75 | 17.88 | 18.89 | 18.80 | 20.33 | 18.13 |
| G 40.0 | 15.13 | 15.52 | 17.73 | 15.59 | 16.18 | 15.30 | 15.10 | 15.30 | 16.18 | 15.59 | 17.73 | 15.52 |
| G 45.0 | 12.65 | 13.03 | 15.06 | 13.28 | 13.94 | 12.85 | 12.65 | 12.85 | 13.94 | 13.28 | 15.06 | 13.03 |
| G 50.0 | 10.95 | 11.85 | 12.94 | 11.78 | 12.21 | 11.18 | 10.68 | 11.18 | 12.21 | 11.78 | 12.94 | 11.85 |
| G 55.0 | 9.96 | 10.56 | 11.08 | 10.41 | 10.10 | 9.47 | 9.85 | 9.47 | 10.10 | 10.41 | 11.08 | 10.56 |
| G 60.0 | 8.98 | 9.12 | 9.42 | 9.00 | 8.85 | 8.32 | 8.47 | 8.32 | 8.85 | 9.00 | 9.42 | 9.12 |
| G 65.0 | 7.70 | 7.69 | 8.03 | 7.69 | 7.71 | 7.25 | 7.54 | 7.25 | 7.71 | 7.69 | 8.03 | 7.69 |
| G 70.0 | 6.59 | 6.54 | 6.81 | 6.65 | 6.72 | 6.60 | 6.58 | 6.60 | 6.72 | 6.65 | 6.81 | 6.54 |
| G 75.0 | 5.80 | 5.82 | 6.02 | 5.96 | 6.01 | 5.98 | 6.00 | 5.98 | 6.01 | 5.96 | 6.02 | 5.82 |
| G 80.0 | 5.25 | 5.22 | 5.40 | 5.35 | 5.42 | 5.34 | 5.31 | 5.34 | 5.42 | 5.35 | 5.40 | 5.22 |
| G 85.0 | 4.67 | 4.67 | 4.77 | 4.73 | 4.78 | 4.71 | 4.71 | 4.71 | 4.78 | 4.73 | 4.77 | 4.67 |
| G 90.0 | 4.25 | 4.22 | 4.32 | 4.28 | 4.39 | 4.23 | 4.30 | 4.23 | 4.39 | 4.28 | 4.32 | 4.22 |
| G 95.0 | 4.49 | 4.45 | 4.55 | 4.48 | 4.71 | 4.63 | 4.75 | 4.63 | 4.71 | 4.48 | 4.55 | 4.45 |
| G100.0 | 5.93 | 5.97 | 6.02 | 6.03 | 6.15 | 6.26 | 6.29 | 6.26 | 6.15 | 6.03 | 6.02 | 5.97 |
| G105.0 | 7.76 | 7.72 | 7.85 | 7.90 | 7.98 | 8.03 | 8.05 | 8.03 | 7.98 | 7.90 | 7.85 | 7.72 |
| G110.0 | 9.59 | 9.49 | 9.58 | 9.76 | 9.83 | 9.76 | 9.84 | 9.76 | 9.83 | 9.76 | 9.58 | 9.49 |
| G115.0 | 10.97 | 10.99 | 11.16 | 11.29 | 11.33 | 11.27 | 11.30 | 11.27 | 11.33 | 11.29 | 11.16 | 10.99 |
| G120.0 | 12.01 | 11.91 | 12.02 | 12.11 | 12.16 | 12.02 | 12.03 | 12.02 | 12.16 | 12.11 | 12.02 | 11.91 |
| G125.0 | 12.14 | 12.09 | 12.17 | 12.18 | 12.22 | 12.02 | 12.03 | 12.02 | 12.22 | 12.18 | 12.17 | 12.09 |
| G130.0 | 11.26 | 11.30 | 11.47 | 11.38 | 11.42 | 11.23 | 11.31 | 11.23 | 11.42 | 11.38 | 11.47 | 11.30 |
| G135.0 | 9.98 | 9.88 | 9.99 | 9.97 | 10.10 | 9.88 | 9.92 | 9.88 | 10.10 | 9.97 | 9.99 | 9.88 |
| G140.0 | 8.37 | 8.33 | 8.37 | 8.35 | 8.48 | 8.36 | 8.42 | 8.36 | 8.48 | 8.35 | 8.37 | 8.33 |
| G145.0 | 6.76 | 6.70 | 6.84 | 6.76 | 6.83 | 6.81 | 6.76 | 6.81 | 6.83 | 6.76 | 6.84 | 6.70 |
| G150.0 | 5.50 | 5.44 | 5.50 | 5.52 | 5.58 | 5.49 | 5.50 | 5.49 | 5.58 | 5.52 | 5.50 | 5.44 |
| G155.0 | 8.34 | 7.96 | 8.09 | 8.12 | 8.44 | 7.62 | 7.62 | 7.62 | 8.44 | 8.12 | 8.09 | 7.96 |
| G160.0 | 17.22 | 17.70 | 17.71 | 17.33 | 17.29 | 17.12 | 17.76 | 17.12 | 17.29 | 17.33 | 17.71 | 17.70 |
| G165.0 | 31.90 | 31.18 | 30.81 | 31.21 | 31.38 | 30.76 | 30.20 | 30.76 | 31.38 | 31.21 | 30.81 | 31.18 |
| G170.0 | 45.45 | 45.75 | 46.08 | 45.37 | 45.74 | 45.87 | 45.99 | 45.87 | 45.74 | 45.37 | 46.08 | 45.75 |
| G175.0 | 59.96 | 60.10 | 60.16 | 60.22 | 60.70 | 60.35 | 60.24 | 60.35 | 60.70 | 60.22 | 60.16 | 60.10 |
| G180.0 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 | 69.47 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

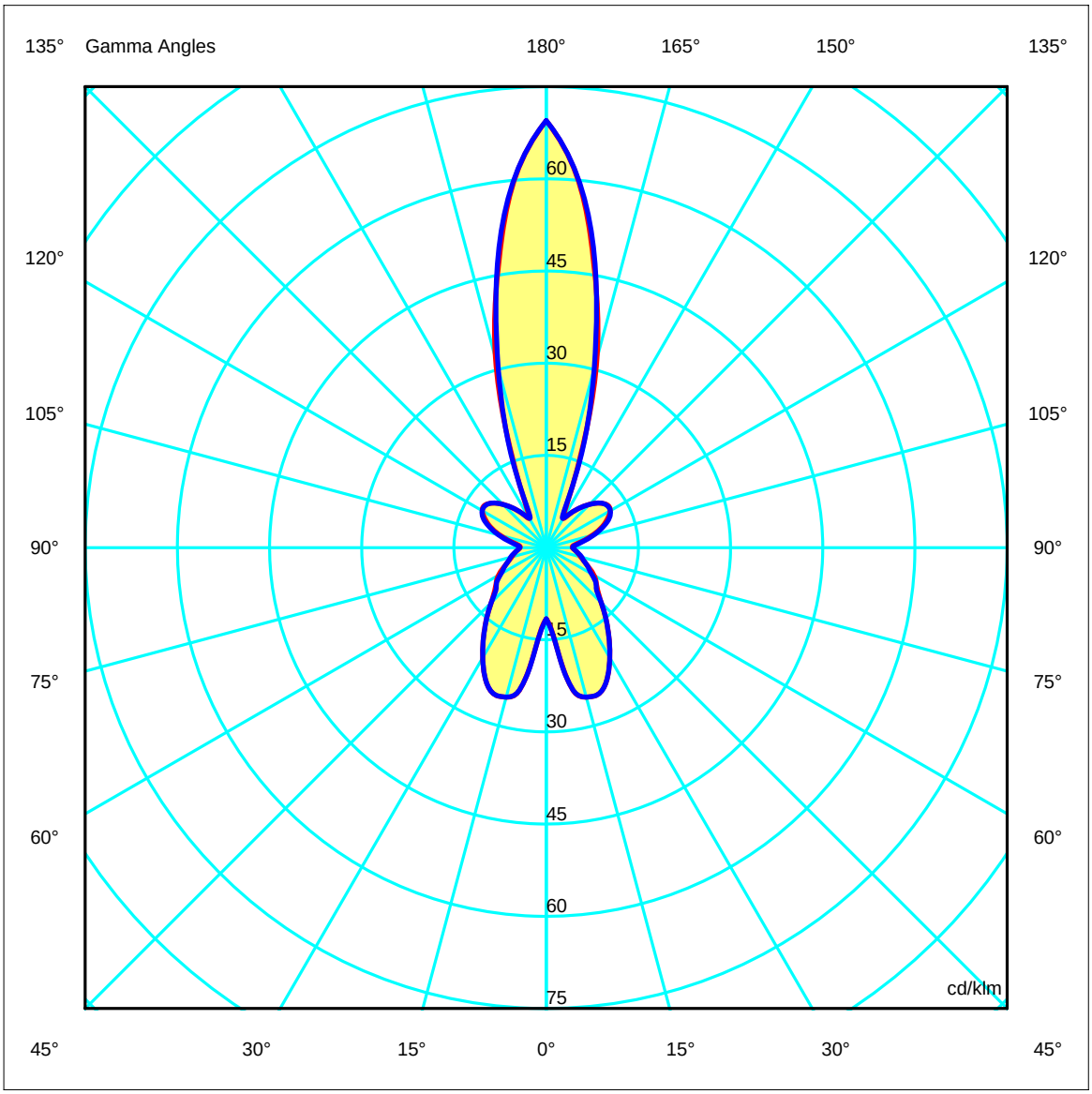
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Diam=490mm




C Halfplanes



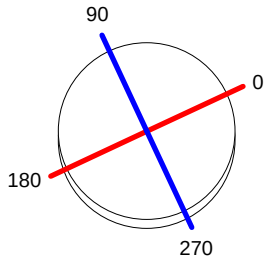



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
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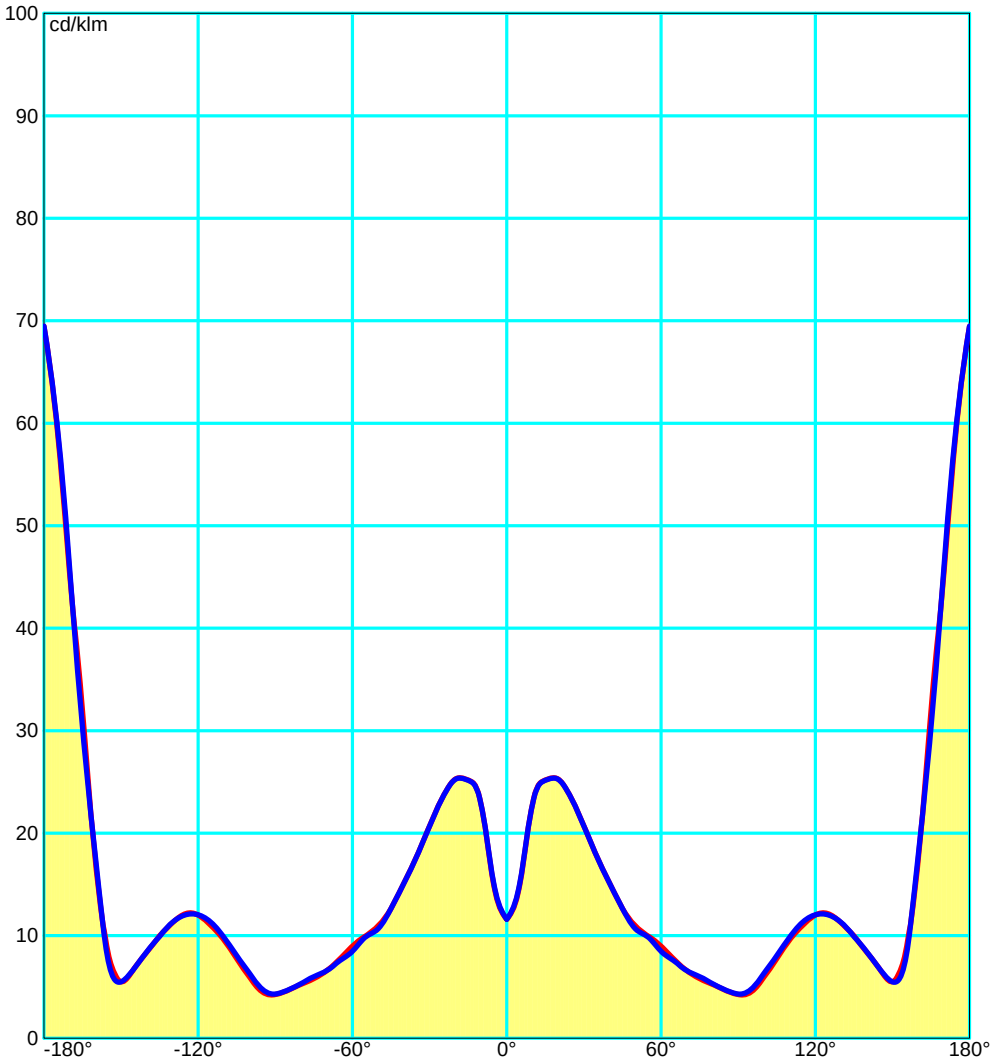
Diam=490mm




C Halfplanes

180.0 0.0

270.0 90.0



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Total Flux=2400.00 Luminaire Flux=324.99

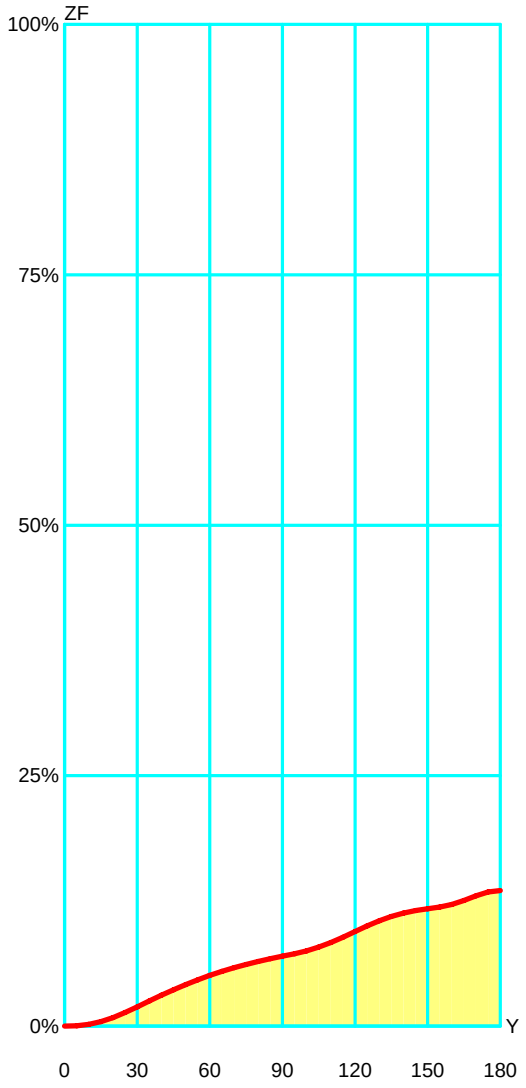
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.31 | 0.38 | 0.45 | 0.51 | 0.56 | 0.64 | 0.69 | 0.73 | 0.78 | 0.81 | 0.89 | 0.94 |
| RC | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |

Zonal Flux per 1000 Lumen

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 2 | 8 | 19 | 31 | 41 | 51 | 58 | 65 | 70 | 75 | 83 | 94 | 105 | 113 | 117 | 122 | 130 | 135 |

CIE Flux Codes
46 73 89 52 14

| | | | |
|---|---|---|---|
| C.I.E. | 5/5/5/5/6/6/6/6/6/7/7 | LOR | 13.54107 % |
| D DIN 5040 | C31 | ULOR | 6.56164 % |
| F UTE | 0.07 E + 0.07 T | DLOR | 6.97943 % |
| B NBN | BZ 5 | UFF | 48.45735 % |
| RN | 48.45735 % | DFF | 51.54265 % |
| BLF | 1.0 | FFR | 94.01409 % |




| Zonal Flux | | | | |
|---|---|---|---|---|
| Gamma ° | Flux | Sum lm | Flux [%] | Sum [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 0.34 | 0.34 | 0.25 % | 0.25 % |
| 10° | 1.40 | 1.74 | 1.03 % | 1.28 % |
| 15° | 2.74 | 4.48 | 2.02 % | 3.31 % |
| 20° | 4.01 | 8.49 | 2.96 % | 6.27 % |
| 25° | 5.04 | 13.53 | 3.72 % | 9.99 % |
| 30° | 5.69 | 19.21 | 4.20 % | 14.19 % |
| 35° | 5.89 | 25.10 | 4.35 % | 18.54 % |
| 40° | 5.76 | 30.86 | 4.26 % | 22.79 % |
| 45° | 5.44 | 36.30 | 4.02 % | 26.81 % |
| 50° | 5.10 | 41.41 | 3.77 % | 30.58 % |
| 55° | 4.79 | 46.20 | 3.54 % | 34.12 % |
| 60° | 4.43 | 50.63 | 3.27 % | 37.39 % |
| 65° | 4.03 | 54.66 | 2.97 % | 40.36 % |
| 70° | 3.62 | 58.28 | 2.68 % | 43.04 % |
| 75° | 3.29 | 61.57 | 2.43 % | 45.47 % |
| 80° | 3.02 | 64.59 | 2.23 % | 47.70 % |
| 85° | 2.73 | 67.33 | 2.02 % | 49.72 % |
| 90° | 2.47 | 69.79 | 1.82 % | 51.54 % |
| 95° | 2.43 | 72.22 | 1.79 % | 53.33 % |
| 100° | 2.90 | 75.12 | 2.14 % | 55.47 % |
| 105° | 3.74 | 78.86 | 2.76 % | 58.24 % |
| 110° | 4.60 | 83.46 | 3.40 % | 61.63 % |
| 115° | 5.29 | 88.75 | 3.91 % | 65.54 % |
| 120° | 5.65 | 94.39 | 4.17 % | 69.71 % |
| 125° | 5.59 | 99.98 | 4.13 % | 73.84 % |
| 130° | 5.10 | 105.08 | 3.77 % | 77.60 % |
| 135° | 4.31 | 109.39 | 3.18 % | 80.78 % |
| 140° | 3.40 | 112.79 | 2.51 % | 83.29 % |
| 145° | 2.53 | 115.32 | 1.87 % | 85.16 % |
| 150° | 1.81 | 117.13 | 1.34 % | 86.50 % |
| 155° | 1.71 | 118.84 | 1.27 % | 87.76 % |
| 160° | 2.67 | 121.51 | 1.97 % | 89.74 % |
| 165° | 4.00 | 125.51 | 2.95 % | 92.69 % |
| 170° | 4.56 | 130.07 | 3.37 % | 96.05 % |
| 175° | 3.79 | 133.86 | 2.80 % | 98.85 % |
| 180° | 1.55 | 135.41 | 1.15 % | 100.00 % |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

**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 | 0.2 | 0.2 | 1.1 | 1.8 | < 0 | < 0 | < 0 | 0.7 | 1.8 |
| x=2H y=3H | 0.7 | 1.4 | 1.5 | 2.3 | 3.2 | 0.4 | 1.1 | 1.3 | 2.0 | 3.2 |
| x=2H y=4H | 1.2 | 1.9 | 2.2 | 2.9 | 3.8 | 1.0 | 1.7 | 2.0 | 2.7 | 3.8 |
| x=2H y=6H | 1.8 | 2.5 | 2.7 | 3.4 | 4.4 | 1.7 | 2.4 | 2.6 | 3.2 | 4.4 |
| x=2H y=8H | 2.1 | 2.7 | 3.0 | 3.6 | 4.8 | 2.0 | 2.6 | 2.9 | 3.5 | 4.8 |
| x=2H y=12H | 2.4 | 3.0 | 3.4 | 3.9 | 5.0 | 2.3 | 2.9 | 3.3 | 3.8 | 5.0 |
| x=4H y=2H | < 0 | 0.5 | 0.8 | 1.5 | 2.3 | < 0 | 0.2 | 0.5 | 1.2 | 2.3 |
| x=4H y=3H | 1.2 | 1.8 | 2.2 | 2.8 | 3.8 | 1.0 | 1.6 | 2.0 | 2.5 | 3.8 |
| x=4H y=4H | 2.0 | 2.6 | 3.0 | 3.6 | 4.7 | 1.9 | 2.4 | 2.9 | 3.5 | 4.7 |
| x=4H y=6H | 2.8 | 3.3 | 3.8 | 4.3 | 5.5 | 2.8 | 3.3 | 3.8 | 4.2 | 5.5 |
| x=4H y=8H | 3.2 | 3.6 | 4.2 | 4.6 | 5.8 | 3.1 | 3.6 | 4.2 | 4.5 | 5.8 |
| x=4H y=12H | 3.6 | 4.0 | 4.6 | 4.9 | 6.3 | 3.5 | 3.9 | 4.5 | 4.9 | 6.3 |
| x=8H y=4H | 2.3 | 2.7 | 3.3 | 3.7 | 4.9 | 2.2 | 2.6 | 3.2 | 3.6 | 4.9 |
| x=8H y=6H | 3.4 | 3.7 | 4.4 | 4.7 | 6.0 | 3.3 | 3.7 | 4.3 | 4.7 | 6.0 |
| x=8H y=8H | 3.9 | 4.2 | 4.9 | 5.2 | 6.5 | 3.9 | 4.2 | 4.9 | 5.2 | 6.5 |
| x=8H y=12H | 4.4 | 4.7 | 5.4 | 5.7 | 7.0 | 4.4 | 4.7 | 5.4 | 5.7 | 7.0 |
| x=12H y=4H | 2.4 | 2.7 | 3.3 | 3.7 | 5.0 | 2.2 | 2.6 | 3.2 | 3.6 | 5.0 |
| x=12H y=6H | 3.5 | 3.8 | 4.5 | 4.8 | 6.1 | 3.4 | 3.7 | 4.5 | 4.8 | 6.1 |
| x=12H y=8H | 4.1 | 4.3 | 5.0 | 5.3 | 6.6 | 4.0 | 4.3 | 5.0 | 5.3 | 6.6 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Utilizations CIE

Mounting Direct Normalization Normalised Suspension Ratio 0.3 Standard CIE Settings

Ceiling

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 73 | 66 | 68 | 62 | 63 | 59 | 55 | 47 | 53 | 45 | 48 | 37 | 45 | 31 | 42 | 39 | 35 | 37 | 30 | 33 | 31 | 27 | 25 |
| 0.80 | 81 | 74 | 73 | 68 | 71 | 65 | 62 | 54 | 58 | 51 | 54 | 43 | 50 | 37 | 48 | 45 | 40 | 42 | 35 | 38 | 36 | 32 | 29 |
| 1.00 | 86 | 80 | 76 | 72 | 76 | 68 | 68 | 60 | 62 | 56 | 57 | 47 | 54 | 41 | 52 | 49 | 45 | 46 | 39 | 42 | 40 | 36 | 33 |
| 1.25 | 91 | 86 | 79 | 74 | 82 | 71 | 73 | 66 | 65 | 60 | 61 | 51 | 57 | 45 | 56 | 53 | 49 | 50 | 43 | 47 | 44 | 40 | 36 |
| 1.50 | 94 | 90 | 80 | 76 | 85 | 73 | 77 | 71 | 68 | 63 | 63 | 55 | 59 | 49 | 59 | 56 | 52 | 53 | 47 | 50 | 47 | 43 | 39 |
| 2.00 | 99 | 95 | 81 | 78 | 91 | 75 | 83 | 78 | 70 | 66 | 66 | 59 | 63 | 54 | 63 | 60 | 57 | 57 | 52 | 54 | 52 | 48 | 44 |
| 2.50 | 102 | 98 | 81 | 79 | 94 | 77 | 87 | 82 | 72 | 69 | 68 | 62 | 65 | 57 | 65 | 62 | 60 | 60 | 55 | 58 | 55 | 52 | 47 |
| 3.00 | 104 | 101 | 81 | 79 | 96 | 77 | 90 | 86 | 73 | 70 | 70 | 65 | 67 | 60 | 67 | 64 | 62 | 62 | 58 | 60 | 58 | 54 | 49 |
| 4.00 | 106 | 104 | 81 | 80 | 100 | 78 | 94 | 91 | 75 | 72 | 72 | 68 | 69 | 64 | 69 | 67 | 65 | 65 | 62 | 63 | 61 | 58 | 52 |
| 5.00 | 108 | 106 | 81 | 80 | 101 | 78 | 97 | 94 | 75 | 74 | 73 | 70 | 71 | 66 | 71 | 69 | 67 | 67 | 64 | 65 | 64 | 61 | 55 |
| 10.00 | 111 | 110 | 80 | 80 | 106 | 79 | 103 | 101 | 77 | 76 | 75 | 74 | 74 | 71 | 74 | 72 | 72 | 71 | 70 | 70 | 69 | 66 | 60 |
| 20.00 | 112 | 112 | 80 | 80 | 108 | 79 | 106 | 105 | 78 | 77 | 77 | 76 | 76 | 75 | 75 | 74 | 74 | 74 | 73 | 72 | 72 | 70 | 62 |

Wall

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 52 | 48 | 46 | 42 | 46 | 41 | 36 | 32 | 33 | 29 | 27 | 23 | 24 | 19 | 28 | 23 | 22 | 20 | 18 | 21 | 18 | 17 | 14 |
| 0.80 | 60 | 56 | 52 | 49 | 53 | 46 | 43 | 39 | 39 | 35 | 33 | 28 | 29 | 23 | 32 | 28 | 26 | 25 | 22 | 25 | 22 | 20 | 17 |
| 1.00 | 66 | 63 | 56 | 53 | 59 | 50 | 49 | 45 | 43 | 39 | 37 | 32 | 33 | 27 | 36 | 32 | 30 | 28 | 25 | 28 | 25 | 22 | 19 |
| 1.25 | 72 | 69 | 59 | 57 | 64 | 53 | 55 | 51 | 47 | 43 | 41 | 36 | 37 | 31 | 39 | 35 | 33 | 32 | 29 | 31 | 28 | 25 | 21 |
| 1.50 | 77 | 73 | 62 | 59 | 68 | 56 | 59 | 55 | 50 | 47 | 45 | 40 | 41 | 35 | 42 | 38 | 36 | 35 | 32 | 33 | 31 | 27 | 23 |
| 2.00 | 82 | 79 | 65 | 63 | 74 | 59 | 66 | 62 | 54 | 51 | 49 | 45 | 45 | 40 | 46 | 42 | 40 | 39 | 36 | 36 | 34 | 30 | 25 |
| 2.50 | 86 | 84 | 67 | 65 | 77 | 61 | 70 | 67 | 56 | 54 | 52 | 48 | 49 | 44 | 48 | 45 | 43 | 42 | 39 | 39 | 37 | 32 | 27 |
| 3.00 | 89 | 87 | 68 | 67 | 80 | 63 | 74 | 70 | 58 | 56 | 55 | 51 | 51 | 47 | 50 | 47 | 46 | 45 | 42 | 40 | 39 | 33 | 28 |
| 4.00 | 94 | 92 | 71 | 69 | 85 | 65 | 79 | 76 | 62 | 60 | 59 | 55 | 56 | 52 | 53 | 51 | 49 | 48 | 46 | 44 | 42 | 36 | 31 |
| 5.00 | 97 | 96 | 73 | 72 | 88 | 67 | 83 | 81 | 64 | 63 | 62 | 59 | 59 | 55 | 56 | 53 | 52 | 51 | 49 | 46 | 45 | 38 | 33 |
| 10.00 | 106 | 105 | 78 | 78 | 97 | 73 | 94 | 92 | 71 | 71 | 70 | 68 | 68 | 66 | 63 | 61 | 60 | 60 | 59 | 53 | 52 | 45 | 39 |
| 20.00 | 113 | 112 | 83 | 83 | 103 | 78 | 101 | 101 | 77 | 77 | 76 | 75 | 75 | 74 | 68 | 67 | 67 | 67 | 66 | 59 | 58 | 51 | 44 |

Working Pl.

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 64 | 59 | 59 | 56 | 57 | 53 | 45 | 41 | 43 | 40 | 36 | 32 | 31 | 27 | 37 | 32 | 30 | 28 | 25 | 29 | 25 | 23 | 22 |
| 0.80 | 77 | 72 | 71 | 67 | 68 | 63 | 56 | 51 | 53 | 49 | 46 | 40 | 41 | 34 | 46 | 40 | 38 | 36 | 32 | 35 | 32 | 29 | 27 |
| 1.00 | 87 | 82 | 79 | 76 | 77 | 72 | 65 | 60 | 62 | 57 | 54 | 48 | 49 | 41 | 53 | 47 | 44 | 42 | 39 | 41 | 38 | 34 | 31 |
| 1.25 | 97 | 93 | 87 | 84 | 86 | 79 | 75 | 69 | 70 | 65 | 63 | 56 | 57 | 49 | 59 | 54 | 51 | 49 | 45 | 47 | 44 | 39 | 36 |
| 1.50 | 105 | 100 | 93 | 90 | 93 | 85 | 82 | 77 | 76 | 72 | 69 | 63 | 63 | 55 | 65 | 59 | 57 | 55 | 51 | 52 | 48 | 43 | 39 |
| 2.00 | 116 | 112 | 102 | 99 | 104 | 93 | 93 | 88 | 85 | 82 | 79 | 73 | 74 | 66 | 73 | 68 | 66 | 64 | 60 | 59 | 56 | 49 | 45 |
| 2.50 | 123 | 120 | 107 | 105 | 110 | 98 | 101 | 97 | 92 | 88 | 86 | 80 | 81 | 73 | 78 | 74 | 72 | 70 | 66 | 64 | 61 | 53 | 48 |
| 3.00 | 128 | 125 | 111 | 109 | 115 | 102 | 107 | 103 | 96 | 93 | 91 | 86 | 87 | 79 | 82 | 78 | 76 | 75 | 71 | 67 | 65 | 56 | 51 |
| 4.00 | 135 | 133 | 116 | 114 | 122 | 107 | 115 | 111 | 102 | 100 | 98 | 93 | 94 | 88 | 88 | 84 | 82 | 81 | 78 | 72 | 70 | 60 | 55 |
| 5.00 | 140 | 138 | 119 | 118 | 126 | 110 | 120 | 117 | 106 | 104 | 102 | 98 | 99 | 93 | 91 | 88 | 86 | 85 | 82 | 75 | 73 | 62 | 57 |
| 10.00 | 149 | 148 | 126 | 125 | 135 | 117 | 132 | 130 | 114 | 113 | 112 | 110 | 110 | 106 | 98 | 97 | 96 | 95 | 93 | 83 | 81 | 69 | 62 |
| 20.00 | 155 | 154 | 129 | 129 | 141 | 120 | 138 | 137 | 119 | 118 | 118 | 116 | 116 | 114 | 103 | 102 | 101 | 101 | 100 | 87 | 86 | 72 | 65 |

**LM53 SHR C0-C180: 1.785 SHR C90-C270: 1.785 SHR Square: 1.741**

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

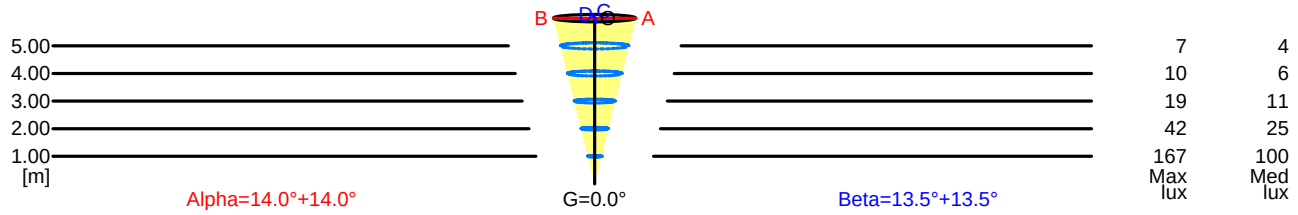
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

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 | 0.25 | 0.50 | 0.75 | 1.00 | 1.25 | OC | 0.24 | 0.48 | 0.72 | 0.96 | 1.20 |
| OB | 0.25 | 0.50 | 0.75 | 1.00 | 1.25 | OD | 0.24 | 0.48 | 0.72 | 0.96 | 1.20 |

Luminous Intensities [ cd/klm]

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 166.72 | 143.90 | 76.56 | 20.01 | 16.23 | 23.96 | 29.13 | 26.32 | 18.62 | 10.79 |
| OB | 166.72 | 143.90 | 76.56 | 20.01 | 16.23 | 23.96 | 29.13 | 26.32 | 18.62 | 10.79 |
| OC | 166.72 | 144.57 | 72.47 | 18.29 | 16.22 | 23.80 | 28.87 | 27.13 | 19.33 | 11.40 |
| OD | 166.72 | 144.57 | 72.47 | 18.29 | 16.22 | 23.80 | 28.87 | 27.13 | 19.33 | 11.40 |




| | | | | | |
|---|---|---|---|---|---|
| 5.00 | 2.49 | 7 | 4 | | |
| 4.00 | 1.99 | 10 | 6 | | |
| 3.00 | 1.49 | 19 | 11 | | |
| 2.00 | 1.00 | 42 | 25 | | |
| 1.00 | 0.50 | 167 | 100 | | |
| H[m] | D[m] | Max lux | Med lux | Alpha=14.0°+14.0° | G=0.0 |

| | | | | | |
|---|---|---|---|---|---|
| 5.00 | 2.40 | 7 | 4 | | |
| 4.00 | 1.92 | 10 | 6 | | |
| 3.00 | 1.44 | 19 | 11 | | |
| 2.00 | 0.96 | 42 | 25 | | |
| 1.00 | 0.48 | 167 | 100 | | |
| H[m] | D[m] | Max lux | Med lux | Beta=13.5°+13.5° | G=0.0 |

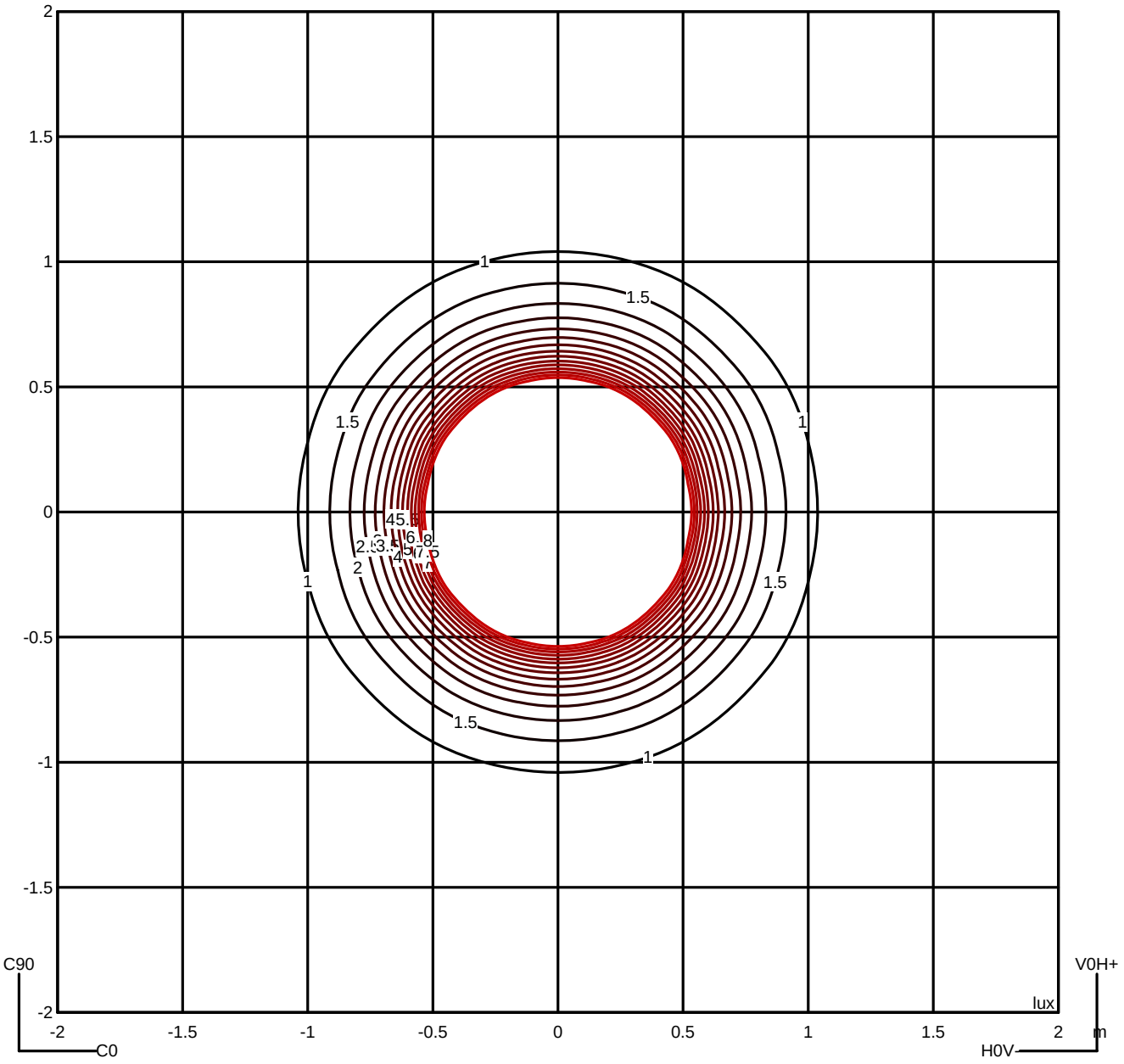
bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=0.10m



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barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

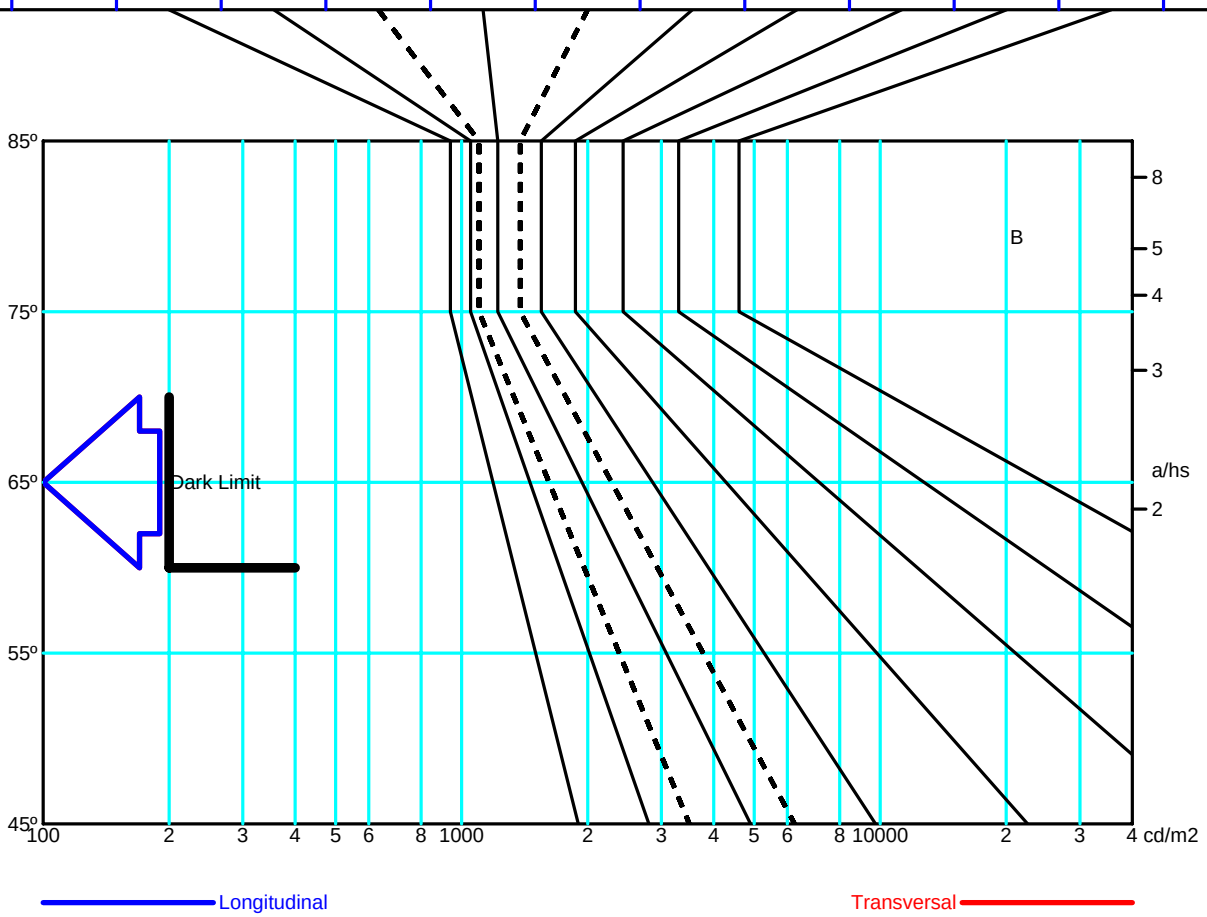
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Average Luminance [cd/m²]

| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0° | 83 | 70 | 63 | 57 | 49 | 42 | 38 | 35 | 32 | --- |
| 90.0° | 83 | 68 | 62 | 53 | 48 | 42 | 39 | 36 | 33 | --- |

Flush mounted or transveral view

| | | Illumination(lx) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | A | 2000 | 1000 | 750 | 500 | | <300 | | | | | 1.15 |
| B | 1 | | 2000 | 1500 | 1000 | 750 | 500 | <300 | | | | 1.5 |
| C | | | | | 2000 | | 1000 | 500 | <300 | | | 1.85 |
| D | 2 | | | | | | 2000 | 1000 | 500 | <300 | | 2.2 |
| E | 3 | | | | | | | 2000 | 1000 | 500 | <300 | 2.55 |

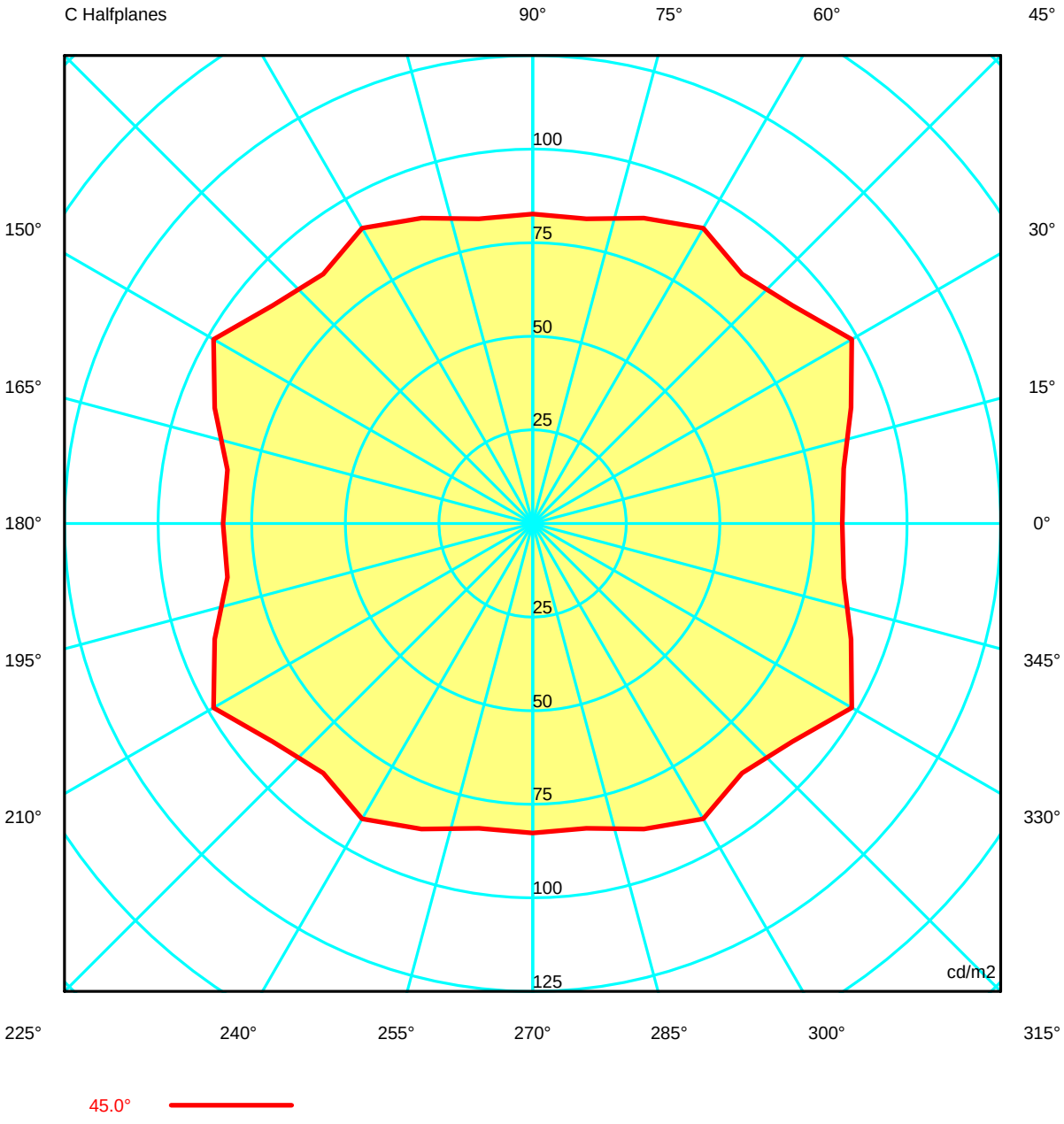


bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

Luminance



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
|---|---|---|---|---|---|---|---|
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

**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 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 |
| G 5.0 | 164.51 | 173.24 | 173.36 | 172.46 | 199.43 | 202.69 | 190.57 | 214.44 | 200.93 | 166.14 | 200.93 | 214.43 | 190.57 |
| G 10.0 | 226.36 | 204.68 | 193.92 | 197.67 | 210.33 | 218.93 | 225.72 | 240.58 | 238.02 | 226.04 | 238.01 | 240.60 | 225.72 |
| G 15.0 | 225.70 | 211.17 | 204.79 | 205.80 | 207.27 | 212.46 | 221.62 | 229.13 | 228.88 | 225.43 | 228.87 | 229.14 | 221.62 |
| G 20.0 | 208.98 | 200.93 | 200.64 | 203.19 | 196.99 | 193.46 | 198.98 | 207.85 | 209.91 | 208.73 | 209.91 | 207.86 | 198.98 |
| G 25.0 | 181.26 | 176.46 | 182.82 | 191.40 | 183.59 | 180.47 | 185.15 | 180.23 | 178.23 | 181.15 | 178.23 | 180.23 | 185.15 |
| G 30.0 | 151.33 | 152.11 | 158.56 | 168.05 | 159.59 | 156.29 | 160.15 | 151.16 | 147.36 | 151.15 | 147.36 | 151.17 | 160.15 |
| G 35.0 | 123.74 | 125.51 | 132.26 | 141.77 | 135.15 | 130.24 | 131.72 | 127.21 | 123.61 | 123.77 | 123.61 | 127.22 | 131.72 |
| G 40.0 | 101.66 | 103.46 | 110.40 | 119.20 | 109.65 | 104.50 | 108.77 | 105.43 | 101.63 | 101.50 | 101.62 | 105.43 | 108.77 |
| G 45.0 | 82.68 | 84.32 | 90.48 | 98.41 | 90.60 | 87.02 | 91.09 | 86.84 | 82.65 | 82.68 | 82.65 | 86.84 | 91.09 |
| G 50.0 | 70.16 | 73.39 | 79.19 | 82.91 | 77.69 | 75.76 | 78.21 | 74.37 | 69.69 | 68.40 | 69.69 | 74.37 | 78.21 |
| G 55.0 | 63.05 | 65.40 | 68.49 | 70.17 | 67.43 | 65.12 | 63.97 | 60.78 | 60.52 | 62.36 | 60.52 | 60.78 | 63.97 |
| G 60.0 | 56.59 | 56.98 | 58.37 | 59.37 | 57.65 | 56.40 | 55.80 | 53.28 | 52.50 | 53.41 | 52.50 | 53.28 | 55.80 |
| G 65.0 | 48.71 | 48.29 | 49.48 | 50.78 | 49.35 | 48.67 | 48.76 | 46.52 | 46.27 | 47.71 | 46.27 | 46.52 | 48.76 |
| G 70.0 | 42.13 | 41.62 | 42.42 | 43.56 | 42.90 | 42.55 | 42.96 | 42.50 | 42.08 | 42.10 | 42.08 | 42.50 | 42.96 |
| G 75.0 | 37.79 | 37.86 | 38.37 | 39.24 | 38.99 | 38.85 | 39.16 | 39.05 | 39.00 | 39.11 | 39.00 | 39.05 | 39.16 |
| G 80.0 | 35.15 | 34.82 | 35.34 | 36.14 | 35.93 | 35.93 | 36.31 | 36.02 | 35.62 | 35.53 | 35.62 | 36.02 | 36.31 |
| G 85.0 | 32.41 | 32.28 | 32.65 | 33.12 | 32.89 | 32.87 | 33.16 | 32.88 | 32.70 | 32.68 | 32.65 | 32.88 | 33.16 |
| G 90.0 | 30.84 | 30.59 | 30.90 | 31.36 | 31.10 | 31.37 | 31.85 | 31.05 | 30.78 | 31.20 | 30.78 | 31.05 | 31.85 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
|---|---|---|---|---|---|---|---|
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

**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 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 |
| G 5.0 | 202.74 | 199.30 | 172.46 | 173.36 | 171.40 | 164.51 | 171.40 | 173.36 | 172.46 | 199.30 | 202.74 | 190.57 | 214.43 |
| G 10.0 | 218.82 | 210.62 | 197.67 | 192.33 | 208.70 | 226.36 | 208.70 | 192.33 | 197.67 | 210.62 | 218.82 | 225.72 | 240.60 |
| G 15.0 | 212.38 | 207.47 | 205.80 | 203.71 | 213.89 | 225.70 | 213.89 | 206.31 | 205.80 | 207.47 | 212.38 | 221.62 | 229.14 |
| G 20.0 | 193.42 | 197.10 | 203.19 | 200.01 | 202.54 | 208.98 | 202.54 | 200.01 | 203.19 | 197.10 | 193.42 | 198.98 | 207.86 |
| G 25.0 | 180.44 | 183.67 | 191.40 | 182.36 | 178.97 | 181.26 | 178.97 | 182.36 | 191.40 | 183.67 | 180.44 | 185.15 | 180.23 |
| G 30.0 | 156.28 | 159.63 | 168.05 | 158.33 | 152.11 | 151.33 | 150.36 | 158.33 | 168.05 | 159.63 | 156.28 | 160.15 | 151.17 |
| G 35.0 | 130.23 | 135.17 | 141.77 | 132.13 | 123.78 | 123.74 | 123.78 | 132.13 | 141.77 | 135.17 | 130.23 | 131.72 | 127.22 |
| G 40.0 | 104.49 | 109.67 | 119.20 | 110.26 | 101.67 | 101.66 | 101.67 | 110.26 | 119.20 | 109.67 | 104.49 | 108.77 | 105.43 |
| G 45.0 | 87.01 | 90.62 | 98.41 | 90.37 | 82.75 | 82.68 | 82.75 | 90.37 | 98.41 | 90.62 | 87.01 | 91.09 | 86.84 |
| G 50.0 | 75.77 | 77.66 | 82.91 | 79.38 | 72.92 | 70.16 | 72.92 | 79.38 | 82.91 | 77.66 | 75.77 | 78.21 | 74.37 |
| G 55.0 | 65.13 | 67.41 | 70.17 | 68.64 | 65.02 | 63.05 | 65.02 | 68.64 | 70.17 | 67.41 | 65.13 | 63.97 | 60.78 |
| G 60.0 | 56.40 | 57.65 | 59.37 | 58.38 | 56.95 | 56.59 | 56.95 | 58.38 | 59.37 | 57.65 | 56.40 | 55.80 | 53.28 |
| G 65.0 | 48.66 | 49.36 | 50.78 | 49.43 | 48.65 | 48.71 | 48.65 | 49.43 | 50.78 | 49.36 | 48.66 | 48.76 | 46.52 |
| G 70.0 | 42.55 | 42.91 | 43.56 | 42.37 | 41.91 | 42.13 | 41.91 | 42.37 | 43.56 | 42.91 | 42.55 | 42.96 | 42.50 |
| G 75.0 | 38.85 | 39.00 | 39.24 | 38.35 | 37.86 | 37.79 | 37.73 | 38.35 | 39.24 | 39.00 | 38.85 | 39.16 | 39.05 |
| G 80.0 | 35.92 | 35.94 | 36.14 | 35.30 | 35.01 | 35.15 | 35.01 | 35.30 | 36.14 | 35.94 | 35.92 | 36.31 | 36.02 |
| G 85.0 | 32.87 | 32.89 | 33.12 | 32.63 | 32.39 | 32.41 | 32.39 | 32.63 | 33.12 | 32.89 | 32.87 | 33.16 | 32.88 |
| G 90.0 | 31.36 | 31.11 | 31.36 | 30.88 | 30.65 | 30.84 | 30.65 | 30.88 | 31.36 | 31.11 | 31.36 | 31.85 | 31.05 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 0133003U+P741 | Code | 0133003+P741 | Code | 49885 |
| Name | AMPHORA-01 2x20W CFL beige | Name | AMPHORA-01 2x20W CFL beige | Number | 2 |
| Line | - BOVER | Date | 11-01-2016 | Position | Universal |

| Luminaire Flux | 324.99 lm | Luminaire Power | 40.00 W | Efficacy | 8.12 lm/W | Efficiency | 13.54% |
|---|---|---|---|---|---|---|---|
| Lamps Flux | 2400.00 lm | Maximum value | 69.47 cd/klm | Position | C=0.00 G=180.00 | CG | Asymmetrical |

**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 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 | 147.61 |
| G 5.0 | 200.93 | 166.14 | 200.93 | 214.44 | 190.57 | 202.69 | 199.43 | 172.46 | 173.36 | 173.24 |
| G 10.0 | 238.01 | 226.04 | 238.02 | 240.58 | 225.72 | 218.93 | 210.33 | 197.67 | 193.92 | 204.68 |
| G 15.0 | 228.87 | 225.43 | 228.88 | 229.13 | 221.62 | 212.46 | 207.27 | 205.80 | 204.79 | 211.17 |
| G 20.0 | 209.91 | 208.73 | 209.91 | 207.85 | 198.98 | 193.46 | 196.99 | 203.19 | 200.64 | 200.93 |
| G 25.0 | 178.23 | 181.15 | 178.23 | 180.23 | 185.15 | 180.47 | 183.59 | 191.40 | 182.82 | 176.46 |
| G 30.0 | 147.36 | 151.15 | 147.36 | 151.16 | 160.15 | 156.29 | 159.59 | 168.05 | 158.56 | 152.11 |
| G 35.0 | 123.61 | 123.77 | 123.61 | 127.21 | 131.72 | 130.24 | 135.15 | 141.77 | 132.26 | 125.51 |
| G 40.0 | 101.62 | 101.50 | 101.63 | 105.43 | 108.77 | 104.50 | 109.65 | 119.20 | 110.40 | 103.46 |
| G 45.0 | 82.65 | 82.68 | 82.65 | 86.84 | 91.09 | 87.02 | 90.60 | 98.41 | 90.48 | 84.32 |
| G 50.0 | 69.69 | 68.40 | 69.69 | 74.37 | 78.21 | 75.76 | 77.69 | 82.91 | 79.19 | 73.39 |
| G 55.0 | 60.52 | 62.36 | 60.52 | 60.78 | 63.97 | 65.12 | 67.43 | 70.17 | 68.49 | 65.40 |
| G 60.0 | 52.50 | 53.41 | 52.50 | 53.28 | 55.80 | 56.40 | 57.65 | 59.37 | 58.37 | 56.98 |
| G 65.0 | 46.27 | 47.71 | 46.27 | 46.52 | 48.76 | 48.67 | 49.35 | 50.78 | 49.48 | 48.29 |
| G 70.0 | 42.08 | 42.10 | 42.08 | 42.50 | 42.96 | 42.55 | 42.90 | 43.56 | 42.42 | 41.62 |
| G 75.0 | 39.00 | 39.11 | 39.00 | 39.05 | 39.16 | 38.85 | 38.99 | 39.24 | 38.37 | 37.86 |
| G 80.0 | 35.62 | 35.53 | 35.62 | 36.02 | 36.31 | 35.93 | 35.93 | 36.14 | 35.34 | 34.82 |
| G 85.0 | 32.70 | 32.68 | 32.65 | 32.88 | 33.16 | 32.87 | 32.89 | 33.12 | 32.65 | 32.28 |
| G 90.0 | 30.78 | 31.20 | 30.78 | 31.05 | 31.85 | 31.37 | 31.10 | 31.36 | 30.90 | 30.59 |