bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

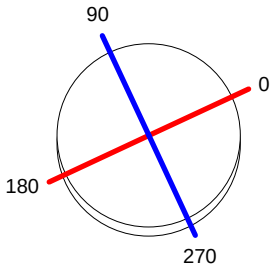
| | | | | | |
|---|---|---|---|---|---|
| Round Luminaire | Diam. 720 mm | | Height 460 mm | | |
| Round Luminous Area | Diam. 720 mm | | Height 460 mm | | |
| Horizontal Luminous Area | 0.407150 m2 | | Emitting area on Plane 180° | 0.331200 m2 | |
| Emitting area on Plane 0° | 0.331200 m2 | | Emitting area on Plane 270° | 0.331200 m2 | |
| Emitting area on Plane 90° | 0.331200 m2 | | Glare area at 76° | 0.419861 m2 | |
| Coordinate system | CG | | Symmetry Type | Double Symmetrical | |
| Date | 07-01-2016 | | 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 | 55.00 % | | 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. | 63 83 92 82 18 | D DIN 5040 | B51 |
| F UTE | 0.15 C + 0.03 T | B NBN | BZ 2 / 0.6 / BZ 3 / 2 / BZ 4 |

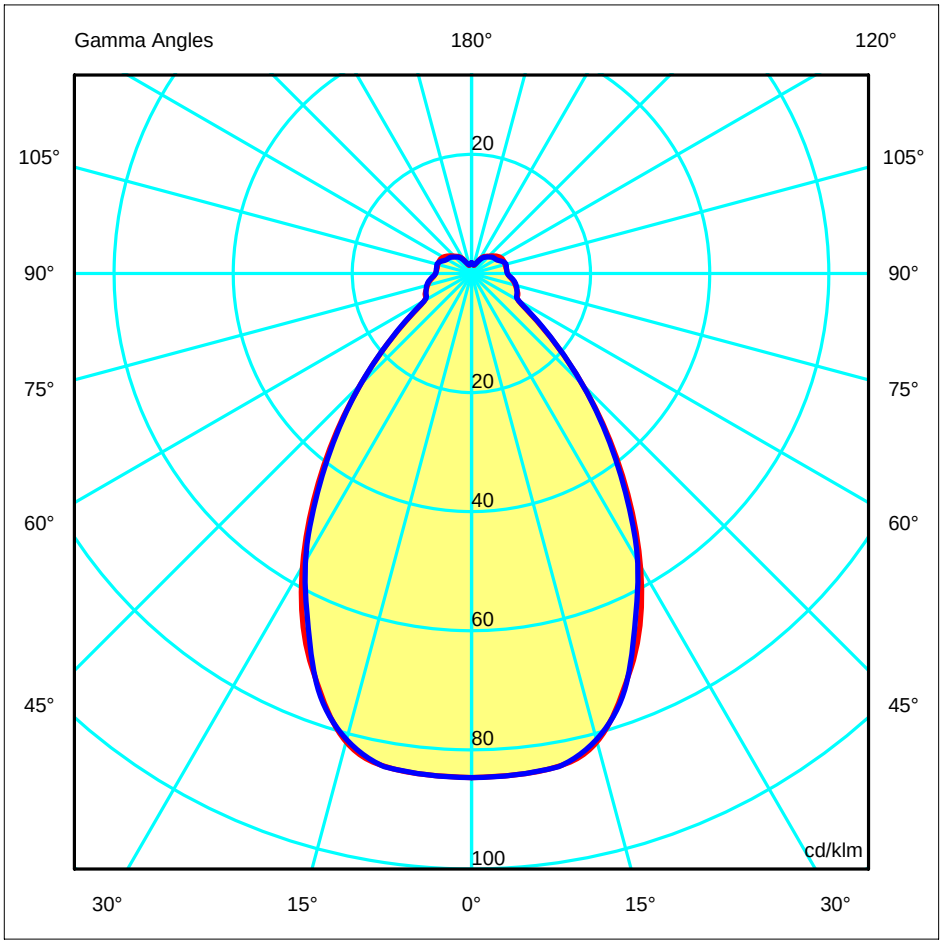
Diam=720mm




C Halfplanes

180.0 — 0.0

270.0 — 90.0




| | |
|---|---|
| ULOR | 3.14 % |
| DLOR | 14.70 % |
| RN | 17.61 % |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

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

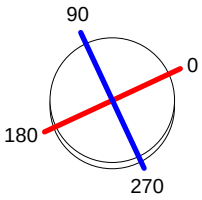
| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 84.65 | 84.65 | 84.65 | 84.65 | 84.65 | 84.65 | 84.65 |
| G 5.0 | 84.49 | 84.46 | 84.54 | 84.54 | 84.52 | 84.53 | 84.54 |
| G 10.0 | 84.05 | 83.93 | 83.93 | 84.13 | 83.97 | 84.16 | 84.09 |
| G 15.0 | 81.43 | 81.40 | 81.28 | 81.69 | 81.14 | 81.84 | 81.00 |
| G 20.0 | 74.51 | 74.38 | 74.63 | 74.60 | 74.41 | 74.77 | 74.82 |
| G 25.0 | 66.59 | 66.49 | 66.43 | 66.38 | 66.04 | 65.61 | 64.96 |
| G 30.0 | 56.68 | 56.60 | 56.36 | 55.91 | 55.52 | 55.45 | 55.75 |
| G 35.0 | 46.06 | 46.00 | 45.93 | 45.83 | 45.50 | 44.95 | 45.17 |
| G 40.0 | 35.80 | 35.79 | 35.82 | 35.58 | 35.45 | 35.16 | 35.26 |
| G 45.0 | 26.36 | 26.50 | 26.48 | 26.35 | 26.31 | 26.42 | 26.36 |
| G 50.0 | 18.54 | 18.77 | 18.82 | 18.96 | 18.99 | 18.56 | 18.59 |
| G 55.0 | 12.55 | 12.78 | 12.88 | 12.61 | 12.60 | 12.48 | 12.89 |
| G 60.0 | 9.11 | 9.47 | 9.51 | 9.28 | 9.51 | 8.72 | 9.16 |
| G 65.0 | 8.58 | 8.73 | 8.95 | 8.92 | 8.73 | 8.47 | 8.40 |
| G 70.0 | 8.12 | 8.41 | 8.63 | 8.68 | 8.50 | 8.25 | 8.10 |
| G 75.0 | 7.64 | 8.02 | 8.25 | 8.41 | 8.19 | 7.95 | 7.79 |
| G 80.0 | 7.12 | 7.60 | 7.80 | 8.04 | 7.79 | 7.54 | 7.29 |
| G 85.0 | 6.45 | 6.97 | 7.21 | 7.54 | 7.23 | 6.96 | 6.54 |
| G 90.0 | 6.05 | 6.51 | 6.70 | 7.04 | 6.73 | 6.47 | 6.02 |
| G 95.0 | 5.91 | 6.33 | 6.44 | 6.75 | 6.50 | 6.31 | 5.94 |
| G100.0 | 5.83 | 6.31 | 6.42 | 6.76 | 6.46 | 6.37 | 5.95 |
| G105.0 | 5.87 | 6.34 | 6.50 | 6.88 | 6.47 | 6.38 | 6.00 |
| G110.0 | 5.81 | 6.33 | 6.53 | 6.90 | 6.37 | 6.01 | 5.72 |
| G115.0 | 5.74 | 6.16 | 6.38 | 6.71 | 6.20 | 5.81 | 5.12 |
| G120.0 | 5.49 | 5.86 | 6.05 | 6.29 | 5.89 | 5.58 | 4.73 |
| G125.0 | 5.07 | 5.43 | 5.57 | 5.80 | 5.40 | 5.23 | 4.58 |
| G130.0 | 4.60 | 4.80 | 4.97 | 5.20 | 4.79 | 4.68 | 4.28 |
| G135.0 | 4.12 | 4.18 | 4.29 | 4.40 | 4.15 | 4.07 | 3.93 |
| G140.0 | 3.77 | 3.72 | 3.75 | 3.77 | 3.69 | 3.54 | 3.58 |
| G145.0 | 3.40 | 3.25 | 3.12 | 3.03 | 3.11 | 3.28 | 3.25 |
| G150.0 | 2.76 | 2.64 | 2.48 | 2.53 | 2.55 | 2.64 | 2.50 |
| G155.0 | 1.96 | 1.95 | 1.96 | 1.95 | 2.05 | 1.97 | 1.99 |
| G160.0 | 1.56 | 1.60 | 1.61 | 1.65 | 1.66 | 1.65 | 1.69 |
| G165.0 | 1.44 | 1.47 | 1.46 | 1.47 | 1.49 | 1.50 | 1.52 |
| G170.0 | 1.52 | 1.52 | 1.48 | 1.46 | 1.46 | 1.49 | 1.52 |
| G175.0 | 1.64 | 1.63 | 1.60 | 1.56 | 1.58 | 1.58 | 1.62 |
| G180.0 | 1.82 | 1.85 | 1.84 | 1.83 | 1.85 | 1.82 | 1.81 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

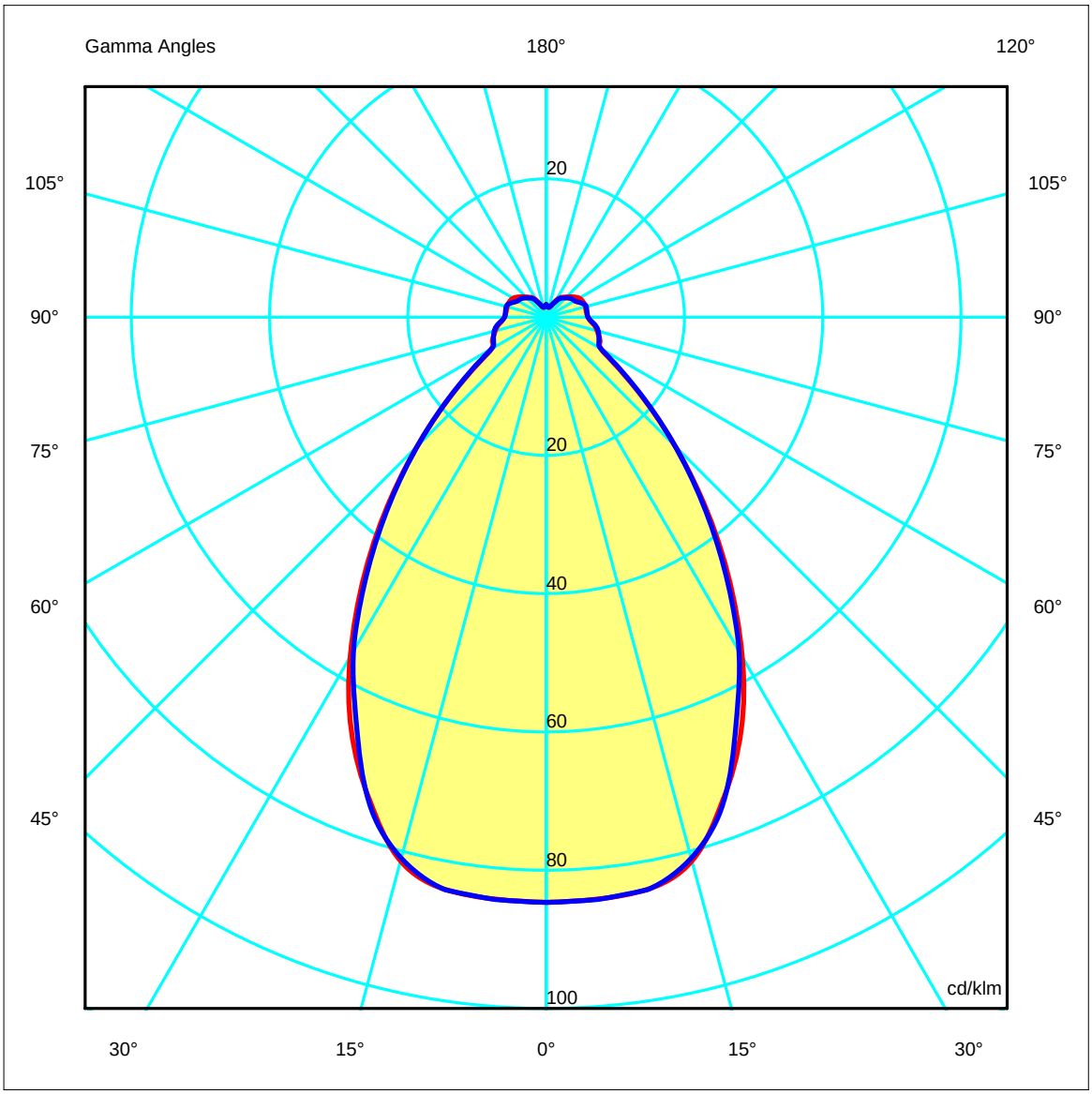
Diam=720mm




C Halfplanes

180.0 0.0

270.0 90.0

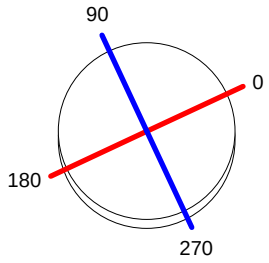


bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
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| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

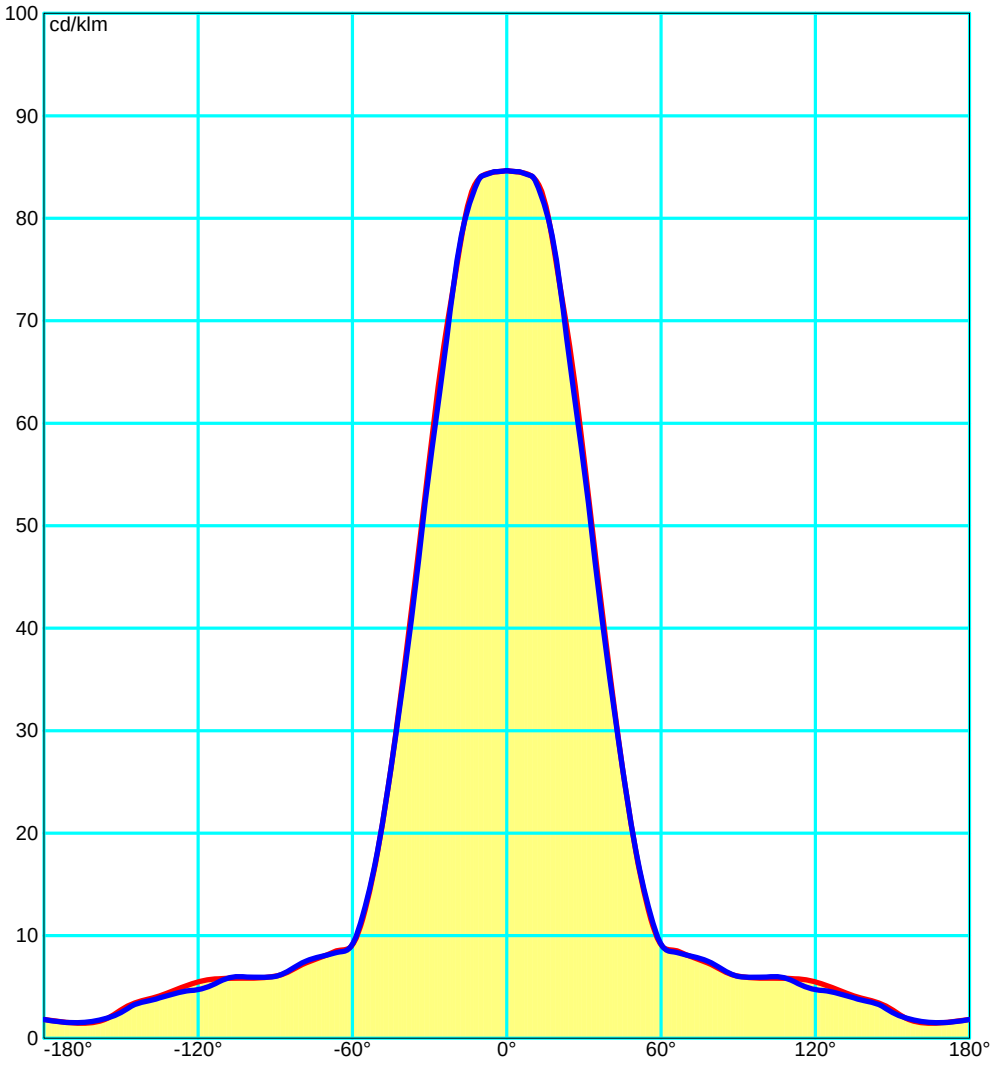
Diam=720mm




C Halfplanes

180.0 0.0

270.0 90.0



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
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| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Total Flux=2400.00 Luminaire Flux=428.09

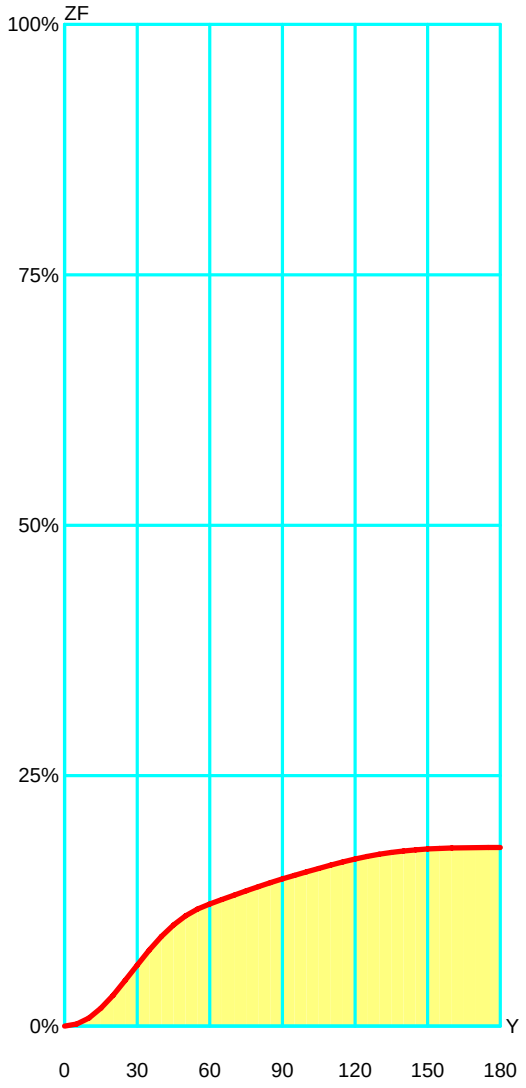
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.44 | 0.51 | 0.57 | 0.62 | 0.67 | 0.73 | 0.78 | 0.81 | 0.85 | 0.87 | 0.92 | 0.96 |
| RC | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |

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) | 8 | 31 | 61 | 89 | 110 | 122 | 131 | 139 | 147 | 154 | 161 | 167 | 172 | 175 | 177 | 178 | 178 | 178 |

CIE Flux Codes
63 83 92 82 18

| | | | |
|---|---|---|---|
| C.I.E. | 3/3/3/3/3/3/4/4/4/4/5/5 | LOR | 17.83688 % |
| D DIN 5040 | B51 | ULOR | 3.14158 % |
| F UTE | 0.15 C + 0.03 T | DLOR | 14.69531 % |
| B NBN | BZ 2 / 0.6 / BZ 3 / 2 / BZ 4 | UFF | 17.61281 % |
| RN | 17.61281 % | DFF | 82.38719 % |
| BLF | 1.0 | FFR | 21.37809 % |




| Zonal Flux | | | | |
|---|---|---|---|---|
| Gamma ° | Flux | Sum lm | Flux [%] | Sum [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 2.02 | 2.02 | 1.13 % | 1.13 % |
| 10° | 6.03 | 8.05 | 3.38 % | 4.51 % |
| 15° | 9.81 | 17.87 | 5.50 % | 10.02 % |
| 20° | 12.86 | 30.72 | 7.21 % | 17.22 % |
| 25° | 14.76 | 45.48 | 8.27 % | 25.50 % |
| 30° | 15.46 | 60.94 | 8.67 % | 34.16 % |
| 35° | 14.97 | 75.90 | 8.39 % | 42.55 % |
| 40° | 13.55 | 89.45 | 7.59 % | 50.15 % |
| 45° | 11.47 | 100.92 | 6.43 % | 56.58 % |
| 50° | 9.13 | 110.05 | 5.12 % | 61.70 % |
| 55° | 6.84 | 116.89 | 3.83 % | 65.53 % |
| 60° | 5.07 | 121.97 | 2.84 % | 68.38 % |
| 65° | 4.37 | 126.34 | 2.45 % | 70.83 % |
| 70° | 4.34 | 130.68 | 2.43 % | 73.26 % |
| 75° | 4.32 | 135.00 | 2.42 % | 75.68 % |
| 80° | 4.21 | 139.21 | 2.36 % | 78.05 % |
| 85° | 4.00 | 143.22 | 2.24 % | 80.29 % |
| 90° | 3.74 | 146.95 | 2.10 % | 82.39 % |
| 95° | 3.55 | 150.50 | 1.99 % | 84.38 % |
| 100° | 3.46 | 153.96 | 1.94 % | 86.32 % |
| 105° | 3.42 | 157.38 | 1.92 % | 88.24 % |
| 110° | 3.33 | 160.71 | 1.87 % | 90.10 % |
| 115° | 3.15 | 163.86 | 1.76 % | 91.87 % |
| 120° | 2.90 | 166.76 | 1.62 % | 93.49 % |
| 125° | 2.58 | 169.34 | 1.45 % | 94.94 % |
| 130° | 2.22 | 171.56 | 1.24 % | 96.18 % |
| 135° | 1.82 | 173.38 | 1.02 % | 97.20 % |
| 140° | 1.46 | 174.83 | 0.82 % | 98.02 % |
| 145° | 1.15 | 175.98 | 0.64 % | 98.66 % |
| 150° | 0.85 | 176.83 | 0.48 % | 99.14 % |
| 155° | 0.58 | 177.41 | 0.32 % | 99.46 % |
| 160° | 0.38 | 177.78 | 0.21 % | 99.67 % |
| 165° | 0.26 | 178.04 | 0.14 % | 99.82 % |
| 170° | 0.18 | 178.22 | 0.10 % | 99.92 % |
| 175° | 0.11 | 178.33 | 0.06 % | 99.98 % |
| 180° | 0.04 | 178.37 | 0.02 % | 100.00 % |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
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| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
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| | | | | | | | |
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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 | 0.8 | 1.7 | 1.3 | 2.2 | 2.7 | 0.7 | 1.6 | 1.2 | 2.1 | 2.7 |
| x=2H y=3H | 1.7 | 2.6 | 2.2 | 3.1 | 3.6 | 1.6 | 2.4 | 2.1 | 3.0 | 3.6 |
| x=2H y=4H | 2.4 | 3.2 | 3.0 | 3.8 | 4.3 | 2.3 | 3.1 | 2.9 | 3.7 | 4.3 |
| x=2H y=6H | 3.1 | 3.9 | 3.7 | 4.5 | 5.0 | 3.0 | 3.9 | 3.6 | 4.4 | 5.0 |
| x=2H y=8H | 3.5 | 4.3 | 4.1 | 4.8 | 5.5 | 3.5 | 4.2 | 4.1 | 4.8 | 5.5 |
| x=2H y=12H | 3.9 | 4.6 | 4.5 | 5.1 | 5.8 | 3.8 | 4.6 | 4.5 | 5.1 | 5.8 |
| x=4H y=2H | 1.0 | 1.8 | 1.6 | 2.4 | 3.0 | 1.0 | 1.7 | 1.5 | 2.3 | 3.0 |
| x=4H y=3H | 2.3 | 3.0 | 3.0 | 3.6 | 4.1 | 2.2 | 2.9 | 2.9 | 3.5 | 4.1 |
| x=4H y=4H | 3.2 | 3.8 | 3.9 | 4.5 | 5.0 | 3.1 | 3.7 | 3.8 | 4.4 | 5.0 |
| x=4H y=6H | 4.2 | 4.7 | 4.9 | 5.4 | 6.1 | 4.1 | 4.7 | 4.8 | 5.3 | 6.1 |
| x=4H y=8H | 4.7 | 5.2 | 5.4 | 5.9 | 6.6 | 4.7 | 5.2 | 5.4 | 5.9 | 6.6 |
| x=4H y=12H | 5.2 | 5.7 | 5.9 | 6.3 | 7.0 | 5.2 | 5.6 | 5.9 | 6.3 | 7.0 |
| x=8H y=4H | 3.7 | 4.2 | 4.3 | 4.8 | 5.5 | 3.6 | 4.1 | 4.3 | 4.8 | 5.5 |
| x=8H y=6H | 4.9 | 5.3 | 5.6 | 6.0 | 6.8 | 4.8 | 5.2 | 5.5 | 6.0 | 6.8 |
| x=8H y=8H | 5.6 | 6.0 | 6.3 | 6.7 | 7.4 | 5.5 | 5.9 | 6.3 | 6.6 | 7.4 |
| x=8H y=12H | 6.2 | 6.6 | 7.0 | 7.2 | 8.0 | 6.2 | 6.5 | 6.9 | 7.2 | 8.0 |
| x=12H y=4H | 3.7 | 4.2 | 4.5 | 4.9 | 5.5 | 3.7 | 4.1 | 4.4 | 4.8 | 5.5 |
| x=12H y=6H | 5.1 | 5.5 | 5.8 | 6.2 | 6.9 | 5.1 | 5.4 | 5.8 | 6.1 | 6.9 |
| x=12H y=8H | 5.8 | 6.2 | 6.6 | 6.8 | 7.6 | 5.8 | 6.1 | 6.5 | 6.8 | 7.6 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
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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 | 57 | 51 | 48 | 44 | 49 | 42 | 38 | 32 | 33 | 28 | 28 | 21 | 24 | 16 | 27 | 22 | 20 | 19 | 15 | 19 | 16 | 14 | 12 |
| 0.80 | 65 | 59 | 52 | 48 | 56 | 46 | 45 | 39 | 37 | 33 | 31 | 25 | 27 | 20 | 31 | 26 | 24 | 22 | 19 | 22 | 19 | 17 | 14 |
| 1.00 | 70 | 65 | 54 | 50 | 62 | 48 | 50 | 45 | 40 | 36 | 34 | 28 | 29 | 22 | 34 | 29 | 26 | 25 | 21 | 25 | 22 | 20 | 16 |
| 1.25 | 75 | 70 | 55 | 52 | 67 | 50 | 56 | 50 | 42 | 39 | 36 | 31 | 31 | 25 | 36 | 31 | 29 | 28 | 24 | 28 | 25 | 22 | 17 |
| 1.50 | 78 | 74 | 55 | 53 | 71 | 51 | 60 | 55 | 44 | 40 | 38 | 33 | 33 | 27 | 38 | 33 | 31 | 30 | 26 | 30 | 27 | 24 | 19 |
| 2.00 | 83 | 79 | 55 | 53 | 76 | 51 | 66 | 62 | 45 | 43 | 40 | 36 | 36 | 31 | 41 | 36 | 35 | 33 | 30 | 33 | 30 | 28 | 21 |
| 2.50 | 86 | 83 | 55 | 53 | 79 | 52 | 70 | 66 | 46 | 44 | 42 | 38 | 38 | 33 | 42 | 38 | 37 | 35 | 32 | 35 | 32 | 30 | 22 |
| 3.00 | 88 | 85 | 54 | 53 | 82 | 52 | 74 | 70 | 47 | 45 | 43 | 40 | 39 | 35 | 43 | 40 | 38 | 37 | 34 | 37 | 34 | 32 | 24 |
| 4.00 | 90 | 89 | 54 | 53 | 85 | 52 | 78 | 75 | 48 | 46 | 44 | 42 | 41 | 38 | 45 | 42 | 41 | 39 | 37 | 39 | 37 | 35 | 25 |
| 5.00 | 92 | 91 | 53 | 53 | 87 | 52 | 81 | 79 | 48 | 47 | 45 | 43 | 43 | 40 | 45 | 43 | 42 | 41 | 39 | 41 | 39 | 37 | 26 |
| 10.00 | 96 | 95 | 52 | 52 | 91 | 51 | 88 | 86 | 49 | 49 | 47 | 46 | 46 | 44 | 47 | 46 | 45 | 44 | 43 | 44 | 43 | 41 | 29 |
| 20.00 | 98 | 97 | 51 | 51 | 93 | 51 | 92 | 91 | 50 | 49 | 49 | 48 | 48 | 47 | 48 | 47 | 47 | 46 | 46 | 46 | 45 | 44 | 30 |

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 | 69 | 66 | 58 | 56 | 65 | 55 | 51 | 48 | 44 | 42 | 37 | 34 | 32 | 29 | 41 | 35 | 34 | 30 | 29 | 33 | 29 | 28 | 25 |
| 0.80 | 79 | 76 | 64 | 62 | 73 | 60 | 60 | 57 | 50 | 48 | 43 | 40 | 38 | 35 | 47 | 40 | 39 | 36 | 34 | 38 | 34 | 33 | 29 |
| 1.00 | 85 | 82 | 68 | 66 | 79 | 64 | 66 | 63 | 54 | 52 | 48 | 44 | 42 | 39 | 50 | 44 | 43 | 40 | 38 | 42 | 38 | 36 | 32 |
| 1.25 | 91 | 88 | 71 | 69 | 85 | 67 | 72 | 69 | 58 | 56 | 52 | 49 | 47 | 43 | 54 | 48 | 47 | 44 | 42 | 45 | 41 | 40 | 34 |
| 1.50 | 96 | 93 | 73 | 71 | 89 | 69 | 77 | 74 | 61 | 59 | 55 | 52 | 50 | 47 | 56 | 51 | 50 | 47 | 45 | 48 | 44 | 42 | 37 |
| 2.00 | 102 | 99 | 75 | 73 | 94 | 71 | 84 | 81 | 64 | 63 | 59 | 56 | 54 | 51 | 59 | 55 | 54 | 51 | 49 | 51 | 48 | 45 | 39 |
| 2.50 | 105 | 103 | 76 | 75 | 98 | 72 | 89 | 86 | 66 | 65 | 62 | 59 | 58 | 55 | 61 | 57 | 56 | 54 | 52 | 53 | 50 | 48 | 41 |
| 3.00 | 108 | 106 | 76 | 75 | 100 | 73 | 92 | 89 | 68 | 66 | 64 | 61 | 60 | 57 | 62 | 59 | 58 | 56 | 54 | 55 | 52 | 49 | 42 |
| 4.00 | 113 | 111 | 79 | 78 | 105 | 75 | 98 | 96 | 71 | 70 | 68 | 66 | 64 | 62 | 66 | 63 | 62 | 60 | 59 | 58 | 56 | 53 | 45 |
| 5.00 | 117 | 115 | 81 | 80 | 109 | 78 | 103 | 101 | 74 | 73 | 71 | 69 | 68 | 66 | 68 | 66 | 65 | 63 | 62 | 61 | 59 | 56 | 47 |
| 10.00 | 127 | 126 | 88 | 87 | 119 | 84 | 115 | 114 | 82 | 82 | 80 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 | 70 | 68 | 64 | 55 |
| 20.00 | 134 | 133 | 92 | 92 | 126 | 89 | 124 | 123 | 88 | 87 | 87 | 86 | 85 | 85 | 82 | 81 | 81 | 80 | 80 | 76 | 75 | 70 | 61 |

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 | 112 | 109 | 105 | 102 | 107 | 100 | 90 | 88 | 87 | 85 | 78 | 75 | 71 | 68 | 83 | 75 | 74 | 69 | 68 | 73 | 68 | 67 | 64 |
| 0.80 | 129 | 125 | 118 | 116 | 122 | 113 | 105 | 102 | 100 | 97 | 91 | 87 | 83 | 80 | 95 | 87 | 86 | 81 | 79 | 84 | 79 | 77 | 75 |
| 1.00 | 142 | 138 | 129 | 126 | 134 | 124 | 117 | 114 | 111 | 108 | 102 | 98 | 94 | 91 | 105 | 97 | 96 | 91 | 89 | 94 | 88 | 86 | 84 |
| 1.25 | 154 | 150 | 139 | 136 | 145 | 133 | 129 | 125 | 121 | 118 | 112 | 108 | 105 | 101 | 114 | 107 | 105 | 101 | 99 | 103 | 97 | 95 | 92 |
| 1.50 | 163 | 159 | 145 | 143 | 153 | 139 | 138 | 134 | 129 | 126 | 120 | 116 | 113 | 108 | 121 | 114 | 113 | 108 | 106 | 109 | 104 | 101 | 98 |
| 2.00 | 176 | 173 | 155 | 153 | 166 | 149 | 152 | 149 | 140 | 137 | 132 | 128 | 126 | 121 | 132 | 125 | 124 | 120 | 118 | 120 | 115 | 111 | 108 |
| 2.50 | 184 | 182 | 161 | 159 | 174 | 155 | 162 | 158 | 147 | 145 | 140 | 137 | 134 | 130 | 138 | 133 | 131 | 128 | 126 | 127 | 123 | 118 | 114 |
| 3.00 | 191 | 188 | 165 | 164 | 180 | 159 | 169 | 166 | 152 | 150 | 146 | 143 | 141 | 137 | 143 | 138 | 137 | 134 | 132 | 132 | 128 | 123 | 119 |
| 4.00 | 198 | 196 | 170 | 169 | 187 | 164 | 178 | 175 | 158 | 157 | 153 | 150 | 149 | 145 | 149 | 145 | 144 | 141 | 139 | 137 | 134 | 128 | 125 |
| 5.00 | 203 | 201 | 173 | 172 | 191 | 167 | 184 | 181 | 162 | 161 | 158 | 155 | 154 | 151 | 153 | 149 | 148 | 146 | 144 | 141 | 139 | 132 | 128 |
| 10.00 | 214 | 213 | 180 | 179 | 202 | 174 | 197 | 195 | 171 | 170 | 168 | 167 | 166 | 164 | 161 | 159 | 158 | 157 | 155 | 150 | 148 | 140 | 136 |
| 20.00 | 220 | 219 | 183 | 183 | 207 | 178 | 205 | 204 | 176 | 176 | 174 | 174 | 173 | 172 | 166 | 164 | 164 | 163 | 163 | 155 | 154 | 145 | 141 |

**LM53 SHR C0-C180: 1.052 SHR C90-C270: 1.030 SHR Square: 1.075**

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

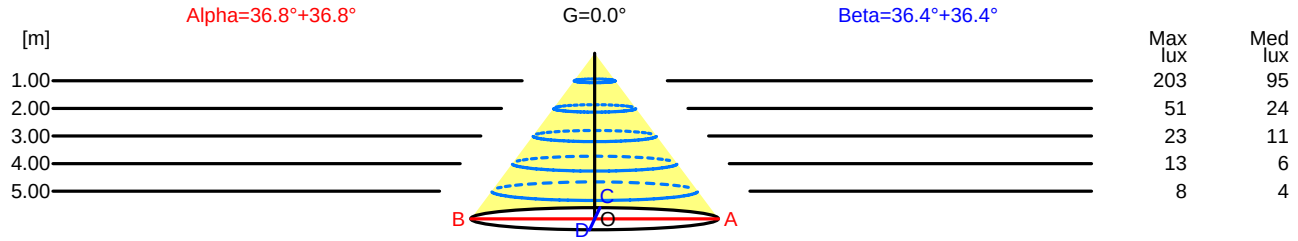
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Width at 50.00 % of Max Intensity

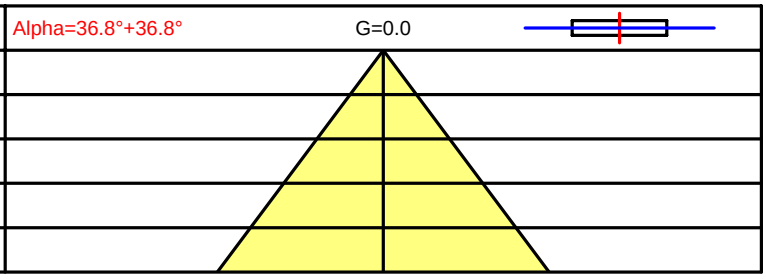
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OA | 0.75 | 1.50 | 2.24 | 2.99 | 3.74 | OC | 0.74 | 1.47 | 2.21 | 2.95 | 3.68 |
| OB | 0.75 | 1.50 | 2.24 | 2.99 | 3.74 | OD | 0.74 | 1.47 | 2.21 | 2.95 | 3.68 |

Luminous Intensities [ cd/klm]

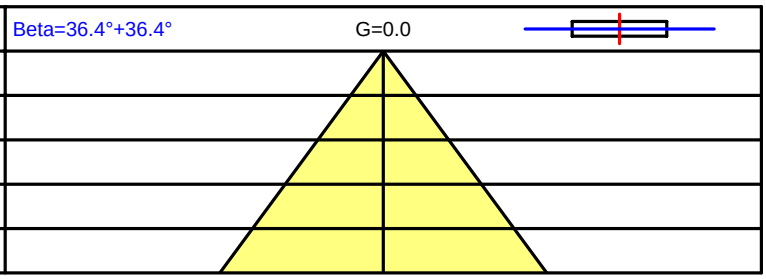
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 203.16 | 202.78 | 195.43 | 159.81 | 110.55 | 63.26 | 30.12 | 20.58 | 18.33 | 15.48 |
| OB | 203.16 | 202.78 | 195.43 | 159.81 | 110.55 | 63.26 | 30.12 | 20.58 | 18.33 | 15.48 |
| OC | 203.16 | 202.90 | 194.41 | 155.90 | 108.42 | 63.27 | 30.95 | 20.17 | 18.69 | 15.70 |
| OD | 203.16 | 202.90 | 194.41 | 155.90 | 108.42 | 63.27 | 30.95 | 20.17 | 18.69 | 15.70 |




| H[m] | D[m] | Max lux | Med lux |
|---|---|---|---|
| 1.00 | 1.50 | 203 | 95 |
| 2.00 | 2.99 | 51 | 24 |
| 3.00 | 4.49 | 23 | 11 |
| 4.00 | 5.98 | 13 | 6 |
| 5.00 | 7.48 | 8 | 4 |




| H[m] | D[m] | Max lux | Med lux |
|---|---|---|---|
| 1.00 | 1.47 | 203 | 95 |
| 2.00 | 2.95 | 51 | 24 |
| 3.00 | 4.42 | 23 | 11 |
| 4.00 | 5.89 | 13 | 6 |
| 5.00 | 7.37 | 8 | 4 |



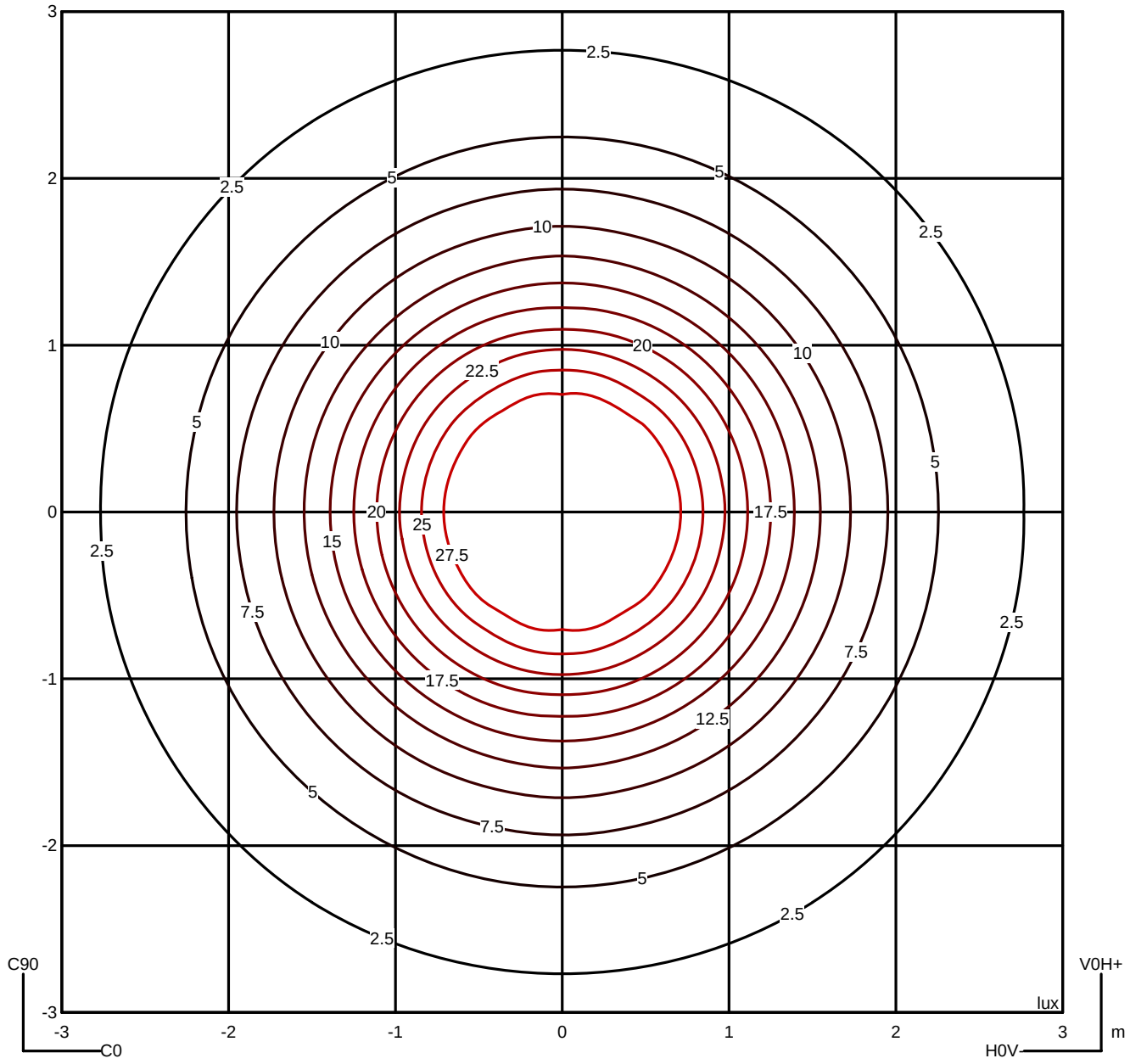
bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Isolux (Floor)

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



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

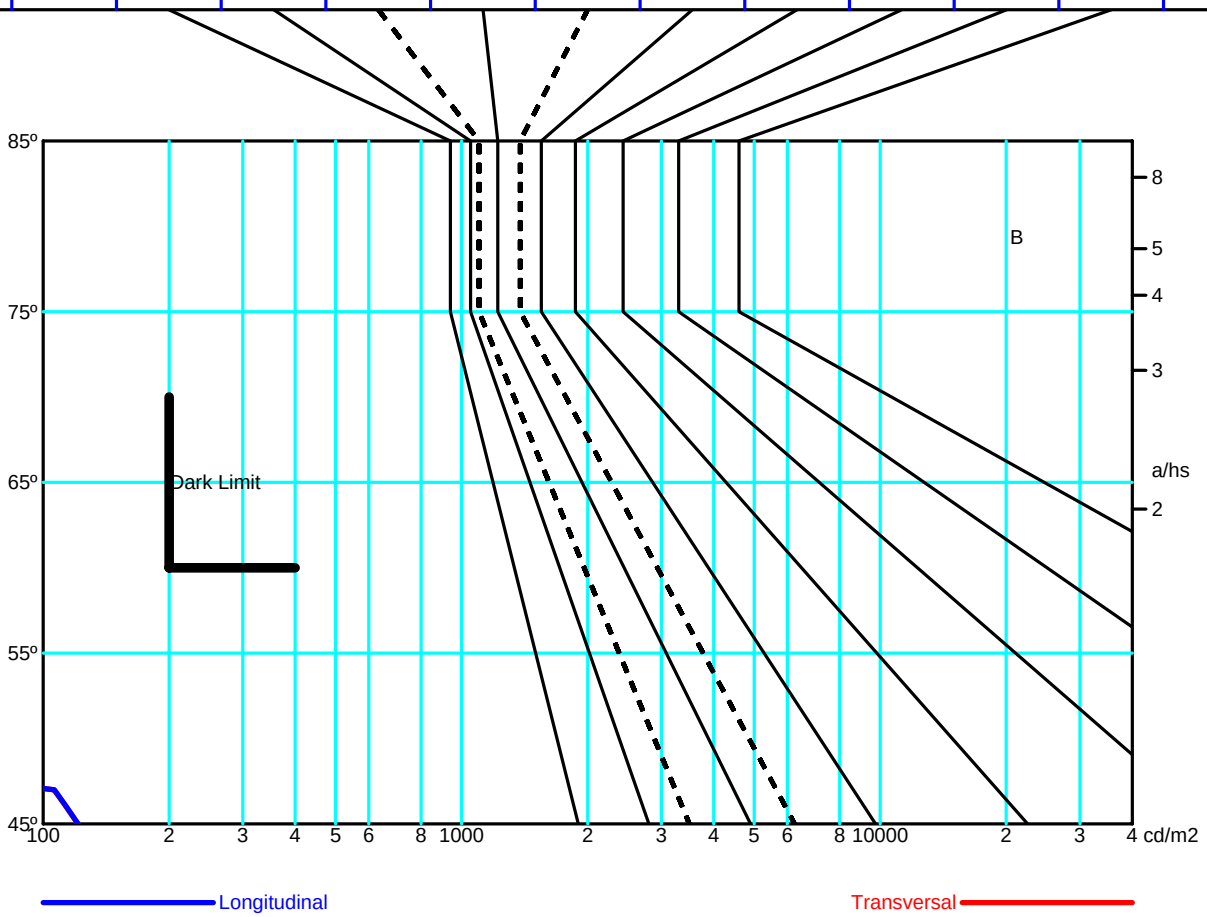
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Average Luminance [cd/m²]

| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0° | 121 | 86 | 60 | 45 | 44 | 43 | 43 | 43 | 42 | --- |
| 90.0° | 121 | 87 | 61 | 45 | 43 | 43 | 44 | 44 | 43 | --- |

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 |

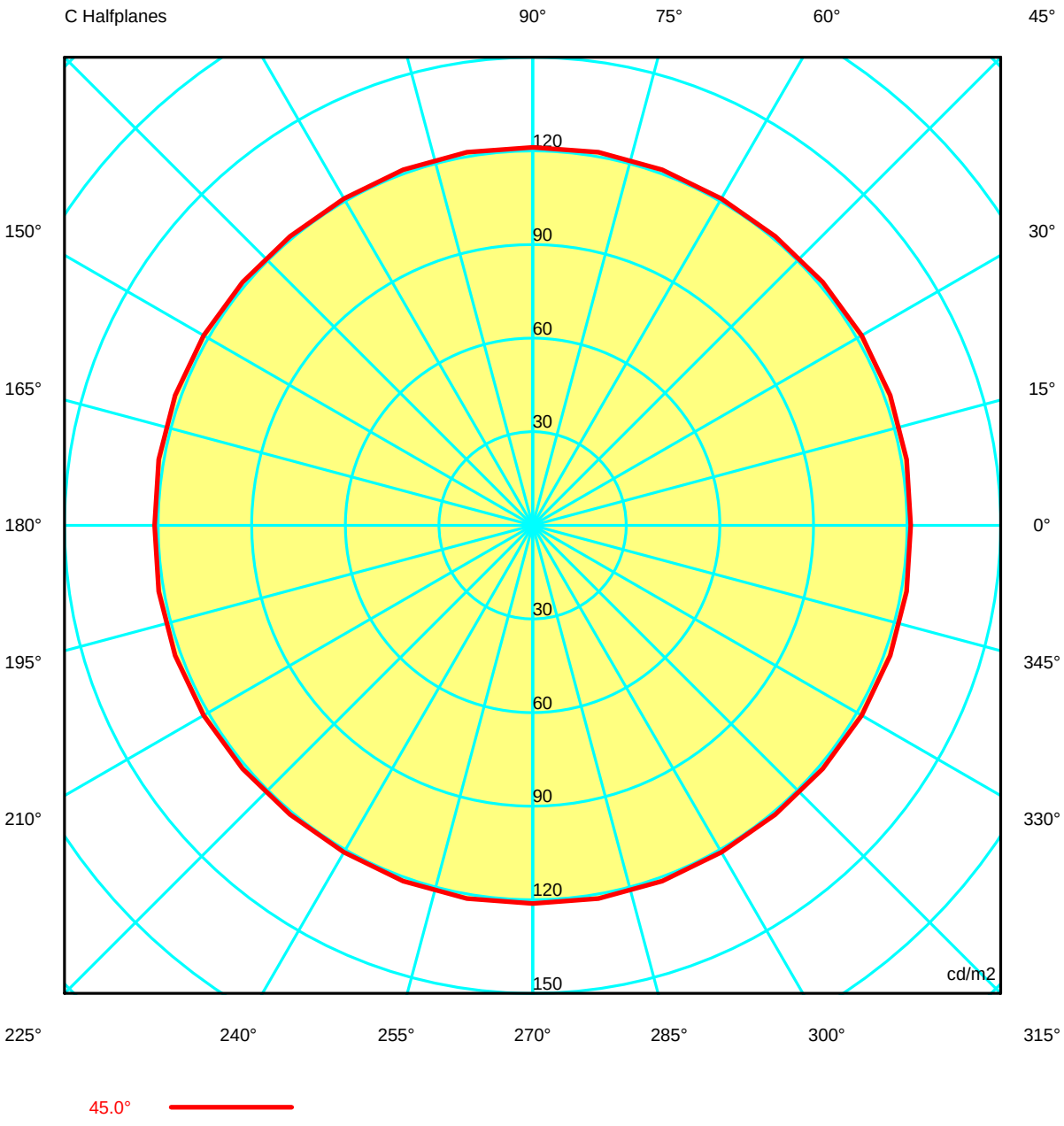


bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Luminance



bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | 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 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 |
| G 5.0 | 466.74 | 466.54 | 466.67 | 466.99 | 466.99 | 466.96 | 466.91 | 466.93 | 466.97 | 467.00 | 466.97 | 466.93 | 466.91 |
| G 10.0 | 439.95 | 439.54 | 439.21 | 439.37 | 440.22 | 440.17 | 439.54 | 440.17 | 440.62 | 440.19 | 440.62 | 440.17 | 439.54 |
| G 15.0 | 407.99 | 407.90 | 407.43 | 407.27 | 409.07 | 408.39 | 406.53 | 409.02 | 409.62 | 405.86 | 409.62 | 409.02 | 406.53 |
| G 20.0 | 360.63 | 359.99 | 360.31 | 361.22 | 361.35 | 360.60 | 360.14 | 361.28 | 361.97 | 362.11 | 361.97 | 361.28 | 360.14 |
| G 25.0 | 313.98 | 313.67 | 313.41 | 313.26 | 313.22 | 312.60 | 311.39 | 310.13 | 308.46 | 306.31 | 308.46 | 310.13 | 311.39 |
| G 30.0 | 262.50 | 262.30 | 261.87 | 261.01 | 259.67 | 258.25 | 257.16 | 256.72 | 257.15 | 258.20 | 257.15 | 256.72 | 257.16 |
| G 35.0 | 211.18 | 210.99 | 210.79 | 210.59 | 210.33 | 209.80 | 208.60 | 206.70 | 206.07 | 207.11 | 206.07 | 206.70 | 208.60 |
| G 40.0 | 163.71 | 163.64 | 163.74 | 163.84 | 163.08 | 162.49 | 162.11 | 161.16 | 160.75 | 161.24 | 160.75 | 161.16 | 162.11 |
| G 45.0 | 121.16 | 121.68 | 121.90 | 121.73 | 121.32 | 120.96 | 120.94 | 121.31 | 121.45 | 121.18 | 121.45 | 121.31 | 120.94 |
| G 50.0 | 86.33 | 87.13 | 87.52 | 87.65 | 88.04 | 88.56 | 88.45 | 87.06 | 86.22 | 86.58 | 86.22 | 87.06 | 88.45 |
| G 55.0 | 59.66 | 60.38 | 61.08 | 61.23 | 60.36 | 59.95 | 59.89 | 59.37 | 59.71 | 61.30 | 59.71 | 59.37 | 59.89 |
| G 60.0 | 44.56 | 45.85 | 46.68 | 46.55 | 45.78 | 45.93 | 46.52 | 43.82 | 42.65 | 44.81 | 42.65 | 43.82 | 46.52 |
| G 65.0 | 43.59 | 44.03 | 44.78 | 45.51 | 45.53 | 45.07 | 44.35 | 43.42 | 42.84 | 42.71 | 42.84 | 43.42 | 44.35 |
| G 70.0 | 43.25 | 44.31 | 45.25 | 45.95 | 46.29 | 46.06 | 45.31 | 44.35 | 43.61 | 43.17 | 43.61 | 44.35 | 45.31 |
| G 75.0 | 43.09 | 44.64 | 45.77 | 46.56 | 47.33 | 47.22 | 46.22 | 45.26 | 44.53 | 43.95 | 44.53 | 45.26 | 46.22 |
| G 80.0 | 43.08 | 45.18 | 46.42 | 47.16 | 48.37 | 48.41 | 47.12 | 46.06 | 45.11 | 44.06 | 45.11 | 46.06 | 47.12 |
| G 85.0 | 42.37 | 44.89 | 46.36 | 47.36 | 49.13 | 49.22 | 47.48 | 46.27 | 44.91 | 42.96 | 44.91 | 46.27 | 47.48 |
| G 90.0 | 43.82 | 46.28 | 47.64 | 48.58 | 50.52 | 50.65 | 48.80 | 47.55 | 46.00 | 43.61 | 46.00 | 47.55 | 48.80 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | 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 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 |
| G 5.0 | 466.96 | 466.99 | 466.99 | 466.67 | 466.54 | 466.74 | 466.54 | 466.67 | 466.99 | 466.99 | 466.96 | 466.91 | 466.93 |
| G 10.0 | 440.17 | 440.22 | 439.37 | 439.21 | 439.54 | 439.95 | 439.54 | 439.21 | 439.37 | 440.22 | 440.17 | 439.54 | 440.17 |
| G 15.0 | 408.39 | 409.07 | 407.27 | 407.43 | 407.90 | 407.99 | 407.90 | 407.43 | 407.27 | 409.07 | 408.39 | 406.53 | 409.02 |
| G 20.0 | 360.60 | 361.35 | 361.22 | 360.31 | 359.99 | 360.63 | 359.99 | 360.31 | 361.22 | 361.35 | 360.60 | 360.14 | 361.28 |
| G 25.0 | 312.60 | 313.22 | 313.26 | 313.41 | 313.67 | 313.98 | 313.67 | 313.41 | 313.26 | 313.22 | 312.60 | 311.39 | 310.13 |
| G 30.0 | 258.25 | 259.67 | 261.01 | 261.87 | 262.30 | 262.50 | 262.30 | 261.87 | 261.01 | 259.67 | 258.25 | 257.16 | 256.72 |
| G 35.0 | 209.80 | 210.33 | 210.59 | 210.79 | 210.99 | 211.18 | 210.99 | 210.79 | 210.59 | 210.33 | 209.80 | 208.60 | 206.70 |
| G 40.0 | 162.49 | 163.08 | 163.84 | 163.74 | 163.64 | 163.71 | 163.64 | 163.74 | 163.84 | 163.08 | 162.49 | 162.11 | 161.16 |
| G 45.0 | 120.96 | 121.32 | 121.73 | 121.90 | 121.68 | 121.16 | 121.68 | 121.90 | 121.73 | 121.32 | 120.96 | 120.94 | 121.31 |
| G 50.0 | 88.56 | 88.04 | 87.65 | 87.52 | 87.13 | 86.33 | 87.13 | 87.52 | 87.65 | 88.04 | 88.56 | 88.45 | 87.06 |
| G 55.0 | 59.95 | 60.36 | 61.23 | 61.08 | 60.38 | 59.66 | 60.38 | 61.08 | 61.23 | 60.36 | 59.95 | 59.89 | 59.37 |
| G 60.0 | 45.93 | 45.78 | 46.55 | 46.68 | 45.85 | 44.56 | 45.85 | 46.68 | 46.55 | 45.78 | 45.93 | 46.52 | 43.82 |
| G 65.0 | 45.07 | 45.53 | 45.51 | 44.78 | 44.03 | 43.59 | 44.03 | 44.78 | 45.51 | 45.53 | 45.07 | 44.35 | 43.42 |
| G 70.0 | 46.06 | 46.29 | 45.95 | 45.25 | 44.31 | 43.25 | 44.31 | 45.25 | 45.95 | 46.29 | 46.06 | 45.31 | 44.35 |
| G 75.0 | 47.22 | 47.33 | 46.56 | 45.77 | 44.64 | 43.09 | 44.64 | 45.77 | 46.56 | 47.33 | 47.22 | 46.22 | 45.26 |
| G 80.0 | 48.41 | 48.37 | 47.16 | 46.42 | 45.18 | 43.08 | 45.18 | 46.42 | 47.16 | 48.37 | 48.41 | 47.12 | 46.06 |
| G 85.0 | 49.22 | 49.13 | 47.36 | 46.36 | 44.89 | 42.37 | 44.89 | 46.36 | 47.36 | 49.13 | 49.22 | 47.48 | 46.27 |
| G 90.0 | 50.65 | 50.52 | 48.58 | 47.64 | 46.28 | 43.82 | 46.28 | 47.64 | 48.58 | 50.52 | 50.65 | 48.80 | 47.55 |

bover
barcelona lights

| Luminaire | | Measurem. | | Lamp | |
|---|---|---|---|---|---|
| Code | 33502202xxU+P802 | Code | 33502202xx+P802 | Code | 49885 |
| Name | GAROTA-S/02 2x20W CFL brown | Name | GAROTA-S/02 2x20W CFL brown | Number | 2 |
| Line | - BOVER | Date | 07-01-2016 | Position | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaire Flux | 428.09 lm | Luminaire Power | 40.00 W | Efficacy | 10.70 lm/W | Efficiency | 17.84% |
| Lamps Flux | 2400.00 lm | Maximum value | 84.65 cd/klm | Position | C=0.00 G=0.00 | 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 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 | 498.97 |
| G 5.0 | 466.97 | 467.00 | 466.97 | 466.93 | 466.91 | 466.96 | 466.99 | 466.99 | 466.67 | 466.54 |
| G 10.0 | 440.62 | 440.19 | 440.62 | 440.17 | 439.54 | 440.17 | 440.22 | 439.37 | 439.21 | 439.54 |
| G 15.0 | 409.62 | 405.86 | 409.62 | 409.02 | 406.53 | 408.39 | 409.07 | 407.27 | 407.43 | 407.90 |
| G 20.0 | 361.97 | 362.11 | 361.97 | 361.28 | 360.14 | 360.60 | 361.35 | 361.22 | 360.31 | 359.99 |
| G 25.0 | 308.46 | 306.31 | 308.46 | 310.13 | 311.39 | 312.60 | 313.22 | 313.26 | 313.41 | 313.67 |
| G 30.0 | 257.15 | 258.20 | 257.15 | 256.72 | 257.16 | 258.25 | 259.67 | 261.01 | 261.87 | 262.30 |
| G 35.0 | 206.07 | 207.11 | 206.07 | 206.70 | 208.60 | 209.80 | 210.33 | 210.59 | 210.79 | 210.99 |
| G 40.0 | 160.75 | 161.24 | 160.75 | 161.16 | 162.11 | 162.49 | 163.08 | 163.84 | 163.74 | 163.64 |
| G 45.0 | 121.45 | 121.18 | 121.45 | 121.31 | 120.94 | 120.96 | 121.32 | 121.73 | 121.90 | 121.68 |
| G 50.0 | 86.22 | 86.58 | 86.22 | 87.06 | 88.45 | 88.56 | 88.04 | 87.65 | 87.52 | 87.13 |
| G 55.0 | 59.71 | 61.30 | 59.71 | 59.37 | 59.89 | 59.95 | 60.36 | 61.23 | 61.08 | 60.38 |
| G 60.0 | 42.65 | 44.81 | 42.65 | 43.82 | 46.52 | 45.93 | 45.78 | 46.55 | 46.68 | 45.85 |
| G 65.0 | 42.84 | 42.71 | 42.84 | 43.42 | 44.35 | 45.07 | 45.53 | 45.51 | 44.78 | 44.03 |
| G 70.0 | 43.61 | 43.17 | 43.61 | 44.35 | 45.31 | 46.06 | 46.29 | 45.95 | 45.25 | 44.31 |
| G 75.0 | 44.53 | 43.95 | 44.53 | 45.26 | 46.22 | 47.22 | 47.33 | 46.56 | 45.77 | 44.64 |
| G 80.0 | 45.11 | 44.06 | 45.11 | 46.06 | 47.12 | 48.41 | 48.37 | 47.16 | 46.42 | 45.18 |
| G 85.0 | 44.91 | 42.96 | 44.91 | 46.27 | 47.48 | 49.22 | 49.13 | 47.36 | 46.36 | 44.89 |
| G 90.0 | 46.00 | 43.61 | 46.00 | 47.55 | 48.80 | 50.65 | 50.52 | 48.58 | 47.64 | 46.28 |