| **Luminaria** | | **Ensayo** | | **Lámpara** | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

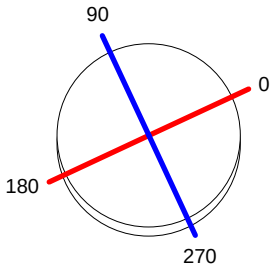
| | | | | | |
|---|---|---|---|---|---|
| Luminaria Redonda | Diam. 270 mm | | Altura 160 mm | | |
| Área Luminosa Redonda | Diam. 270 mm | | Altura 160 mm | | |
| Área Luminosa Horizontal | 0.057256 m2 | | Área Emisión sobre Pl. 180° | 0.043200 m2 | |
| Área Emisión sobre Pl. 0° | 0.043200 m2 | | Área Emisión sobre Pl. 270° | 0.043200 m2 | |
| Área Emisión sobre Pl. 90° | 0.043200 m2 | | Área de deslumbramiento a 76° | 0.055768 m2 | |
| Sist. de Coorden. | CG | | Tipo de Simetría | Bisimétrico | |
| Fecha | 09-09-2015 | | Máximo Ángulo Gamma | 180 | |
| Distancia de Ensayo | 6.44 | | Flujo de Ensayo | 224.71 lm | |
| Operador | Asselum T2 | | Tensión de alimentación | | |
| Temperatura | 24.00 °C | | Corriente de alimentación | | |
| Humedad | 52.00 % | | Fotocélula | Prc | |
| Notas | | | | | |

**Lámparas de la Luminaria**

| Familia | Código | Nombre | Flujo [lm] | Pot. [W] | Cant. |
|---|---|---|---|---|---|
| - BOVER | 33501102xx+P804 | Lámpara led 9W 2700K | 224.71 | 9.00 | 1 |

| | | | |
|---|---|---|---|
| C.I.E. | 66 87 94 87 100 | D DIN 5040 | B51 |
| F UTE | 0.87 C + 0.13 T | B NBN | BZ 2 / 1 / BZ 3 |

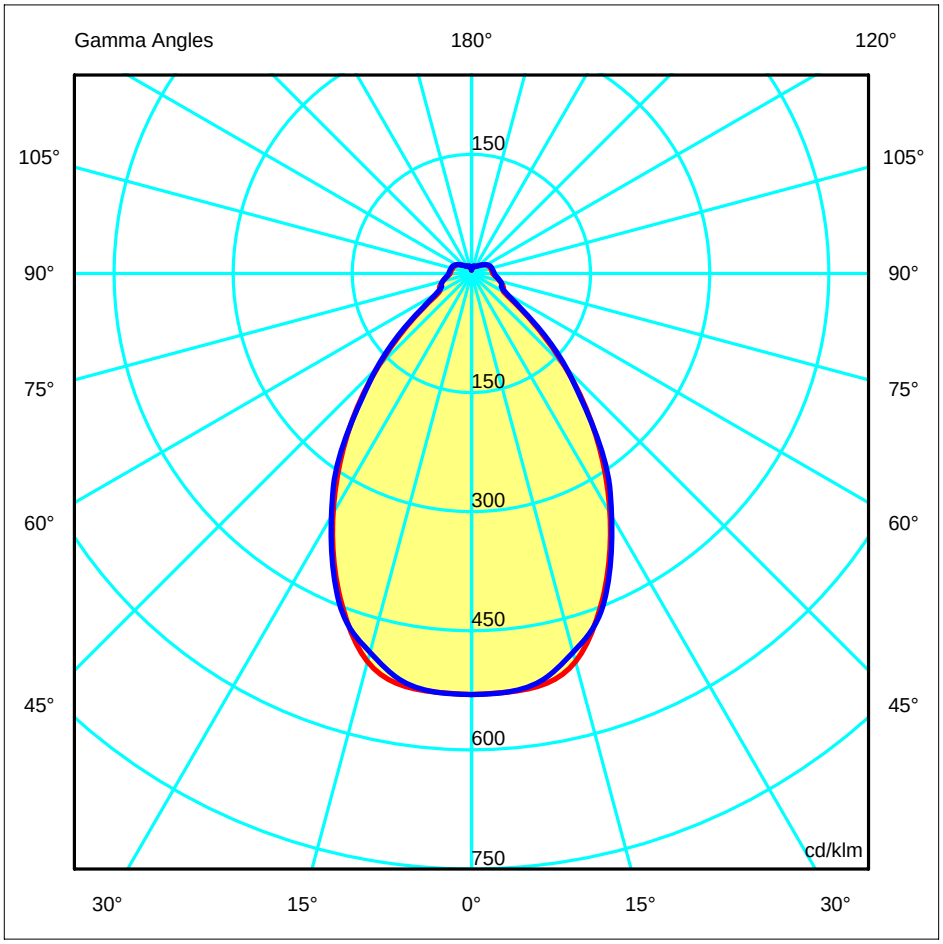
Diam=270mm




C Halfplanes

180.0 — 0.0

270.0 — 90.0




| | |
|---|---|
| ULOR | 12.56 % |
| DLOR | 87.44 % |
| RN | 12.56 % |

| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

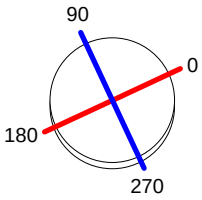
**Tabla de Intensidad Luminosa cd/klm** **Tabla 1/1**

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 530.15 | 530.15 | 530.15 | 530.15 | 530.15 | 530.15 | 530.15 |
| G 5.0 | 528.98 | 528.97 | 528.75 | 528.79 | 528.94 | 528.81 | 528.95 |
| G 10.0 | 525.41 | 524.54 | 520.63 | 524.45 | 518.10 | 523.55 | 519.34 |
| G 15.0 | 505.87 | 505.92 | 500.30 | 501.52 | 495.14 | 504.96 | 493.83 |
| G 20.0 | 462.07 | 461.53 | 459.73 | 464.51 | 462.20 | 463.90 | 464.18 |
| G 25.0 | 408.16 | 409.90 | 409.83 | 411.10 | 414.20 | 412.06 | 412.10 |
| G 30.0 | 348.18 | 354.92 | 353.93 | 350.60 | 355.19 | 354.10 | 352.88 |
| G 35.0 | 287.86 | 285.96 | 287.49 | 291.28 | 291.78 | 291.89 | 295.05 |
| G 40.0 | 227.21 | 228.28 | 229.22 | 225.21 | 227.45 | 228.02 | 224.65 |
| G 45.0 | 166.85 | 165.79 | 168.17 | 166.76 | 169.40 | 166.62 | 169.33 |
| G 50.0 | 112.60 | 113.71 | 114.77 | 114.99 | 118.18 | 112.26 | 118.21 |
| G 55.0 | 71.15 | 74.88 | 75.40 | 69.54 | 75.95 | 72.22 | 74.34 |
| G 60.0 | 47.52 | 46.82 | 49.17 | 45.95 | 51.17 | 46.17 | 52.29 |
| G 65.0 | 44.41 | 43.63 | 41.88 | 41.26 | 41.15 | 42.32 | 41.88 |
| G 70.0 | 41.42 | 40.99 | 39.67 | 39.34 | 39.34 | 40.05 | 40.44 |
| G 75.0 | 37.47 | 37.04 | 36.76 | 36.83 | 37.15 | 37.05 | 37.50 |
| G 80.0 | 32.83 | 33.49 | 34.00 | 33.96 | 34.15 | 34.27 | 33.93 |
| G 85.0 | 29.21 | 29.65 | 30.09 | 30.97 | 30.78 | 30.44 | 30.66 |
| G 90.0 | 26.77 | 27.29 | 28.08 | 28.37 | 28.54 | 28.26 | 28.82 |
| G 95.0 | 26.33 | 26.73 | 27.40 | 27.86 | 28.10 | 27.78 | 27.92 |
| G100.0 | 25.44 | 25.89 | 26.54 | 27.24 | 27.45 | 27.08 | 27.07 |
| G105.0 | 24.85 | 25.25 | 25.76 | 26.62 | 26.53 | 26.66 | 26.44 |
| G110.0 | 24.46 | 24.45 | 24.99 | 25.80 | 25.65 | 26.09 | 25.75 |
| G115.0 | 23.21 | 23.28 | 23.94 | 24.48 | 24.35 | 24.82 | 24.33 |
| G120.0 | 21.38 | 21.65 | 22.11 | 22.32 | 22.31 | 22.41 | 22.30 |
| G125.0 | 19.31 | 19.40 | 19.57 | 19.78 | 19.75 | 19.47 | 19.64 |
| G130.0 | 17.11 | 17.07 | 17.17 | 16.92 | 17.05 | 17.03 | 16.56 |
| G135.0 | 14.62 | 14.54 | 14.74 | 14.58 | 14.82 | 14.36 | 14.41 |
| G140.0 | 12.72 | 12.67 | 12.80 | 12.77 | 12.86 | 12.35 | 12.61 |
| G145.0 | 11.26 | 11.42 | 11.63 | 11.33 | 11.57 | 11.13 | 11.33 |
| G150.0 | 10.23 | 10.32 | 10.59 | 10.60 | 10.77 | 10.36 | 10.61 |
| G155.0 | 9.49 | 9.83 | 9.85 | 9.93 | 10.03 | 9.87 | 10.01 |
| G160.0 | 9.47 | 9.58 | 9.71 | 9.84 | 9.79 | 9.83 | 9.94 |
| G165.0 | 9.66 | 9.69 | 9.56 | 9.87 | 9.74 | 9.88 | 9.80 |
| G170.0 | 8.75 | 8.99 | 8.78 | 8.83 | 8.69 | 8.81 | 8.55 |
| G175.0 | 6.25 | 6.99 | 6.35 | 6.98 | 6.43 | 6.90 | 6.44 |
| G180.0 | 4.36 | 4.37 | 4.47 | 4.56 | 4.68 | 4.65 | 4.66 |

| **Luminaria** | | **Ensayo** | | **Lámpara** | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

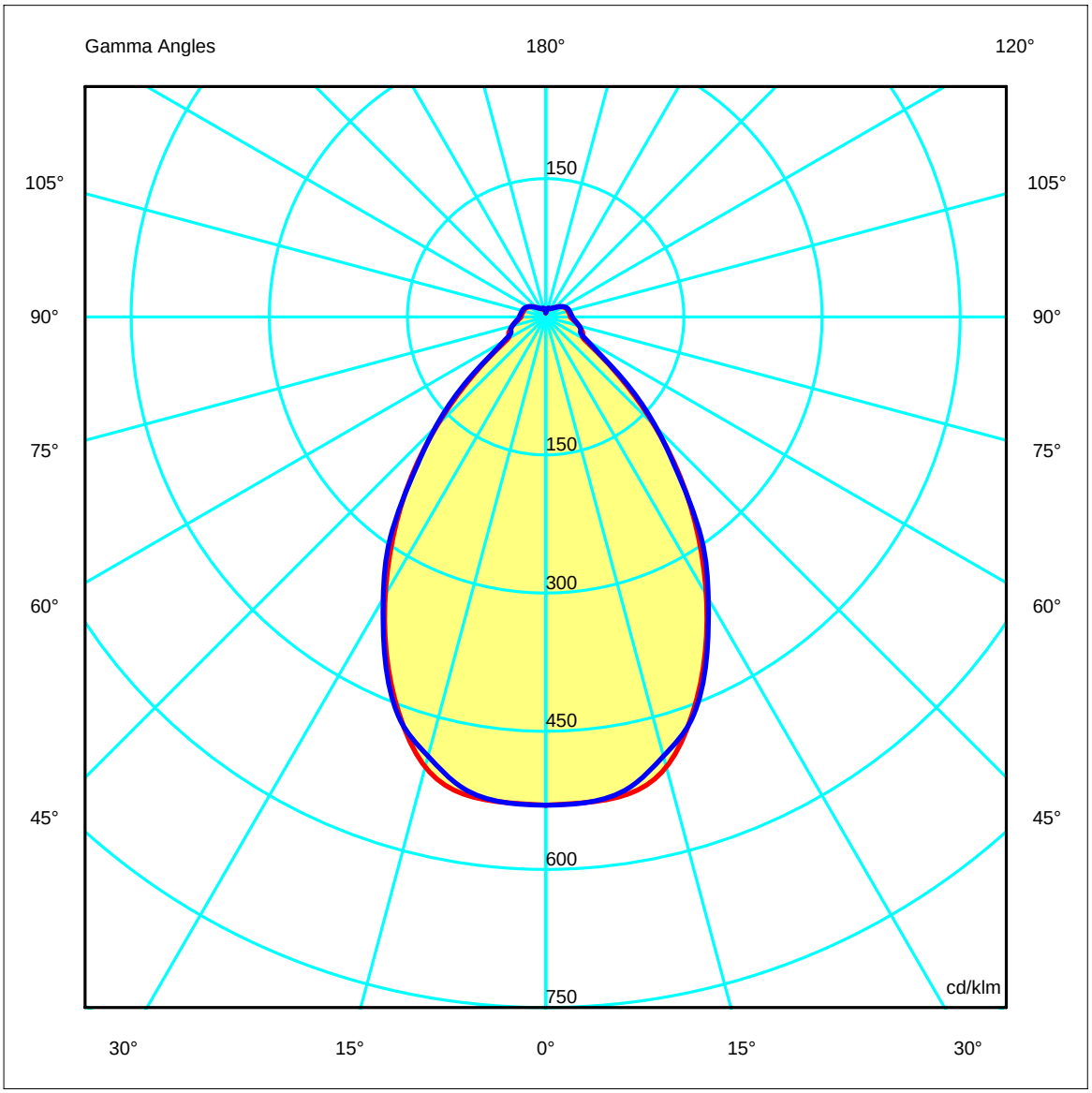
Diam=270mm




C Halfplanes

180.0 0.0

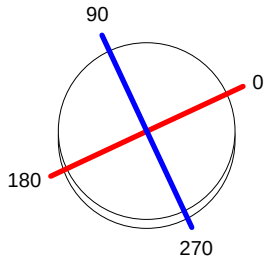
270.0 90.0



| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

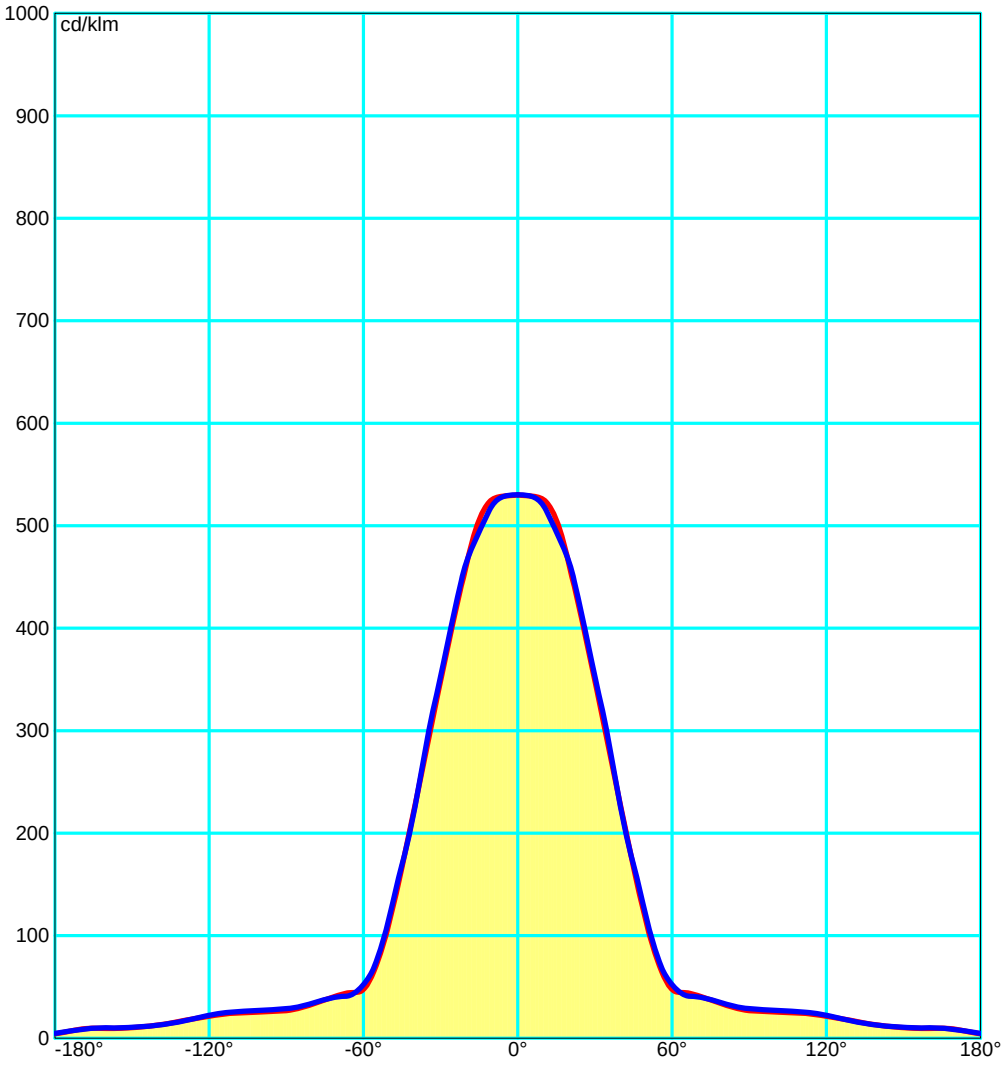
Diam=270mm




C Halfplanes

180.0 0.0

270.0 90.0



| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

**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 | 6.0 | 6.9 | 6.4 | 7.4 | 7.8 | 6.0 | 7.0 | 6.5 | 7.4 | 7.8 |
| x=2H y=3H | 6.7 | 7.5 | 7.1 | 8.0 | 8.5 | 6.6 | 7.5 | 7.1 | 8.0 | 8.5 |
| x=2H y=4H | 7.1 | 7.9 | 7.6 | 8.4 | 8.9 | 7.1 | 7.9 | 7.6 | 8.4 | 8.9 |
| x=2H y=6H | 7.7 | 8.4 | 8.2 | 8.9 | 9.4 | 7.7 | 8.4 | 8.2 | 8.9 | 9.4 |
| x=2H y=8H | 7.9 | 8.7 | 8.5 | 9.2 | 9.8 | 8.0 | 8.7 | 8.5 | 9.2 | 9.8 |
| x=2H y=12H | 8.2 | 8.9 | 8.8 | 9.4 | 10.0 | 8.3 | 8.9 | 8.8 | 9.5 | 10.0 |
| x=4H y=2H | 6.1 | 6.9 | 6.6 | 7.4 | 7.9 | 6.1 | 6.9 | 6.6 | 7.4 | 7.9 |
| x=4H y=3H | 7.0 | 7.7 | 7.6 | 8.3 | 8.8 | 7.0 | 7.7 | 7.6 | 8.2 | 8.8 |
| x=4H y=4H | 7.7 | 8.3 | 8.3 | 8.9 | 9.5 | 7.7 | 8.3 | 8.3 | 8.8 | 9.5 |
| x=4H y=6H | 8.5 | 9.0 | 9.1 | 9.6 | 10.2 | 8.5 | 9.0 | 9.1 | 9.6 | 10.2 |
| x=4H y=8H | 8.8 | 9.3 | 9.5 | 9.9 | 10.6 | 8.9 | 9.4 | 9.5 | 10.0 | 10.6 |
| x=4H y=12H | 9.2 | 9.7 | 9.9 | 10.3 | 11.0 | 9.3 | 9.8 | 9.9 | 10.4 | 11.0 |
| x=8H y=4H | 8.0 | 8.5 | 8.6 | 9.1 | 9.7 | 8.0 | 8.5 | 8.6 | 9.1 | 9.7 |
| x=8H y=6H | 9.0 | 9.4 | 9.6 | 10.0 | 10.7 | 9.0 | 9.4 | 9.6 | 10.0 | 10.7 |
| x=8H y=8H | 9.5 | 9.8 | 10.2 | 10.5 | 11.3 | 9.5 | 9.9 | 10.2 | 10.5 | 11.3 |
| x=8H y=12H | 10.0 | 10.4 | 10.7 | 11.0 | 11.8 | 10.1 | 10.4 | 10.8 | 11.1 | 11.8 |
| x=12H y=4H | 8.1 | 8.5 | 8.7 | 9.1 | 9.8 | 8.0 | 8.5 | 8.6 | 9.1 | 9.8 |
| x=12H y=6H | 9.1 | 9.4 | 9.8 | 10.1 | 10.8 | 9.1 | 9.5 | 9.8 | 10.1 | 10.8 |
| x=12H y=8H | 9.7 | 10.0 | 10.4 | 10.7 | 11.5 | 9.7 | 10.0 | 10.4 | 10.7 | 11.5 |

| **Luminaria** | | **Ensayo** | | **Lámpara** | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Total Flux=224.71 Luminaire Flux=224.71

| 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 | 0.46 | 0.53 | 0.60 | 0.65 | 0.70 | 0.76 | 0.81 | 0.84 | 0.87 | 0.89 | 0.94 | 0.97 |
| RC | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |

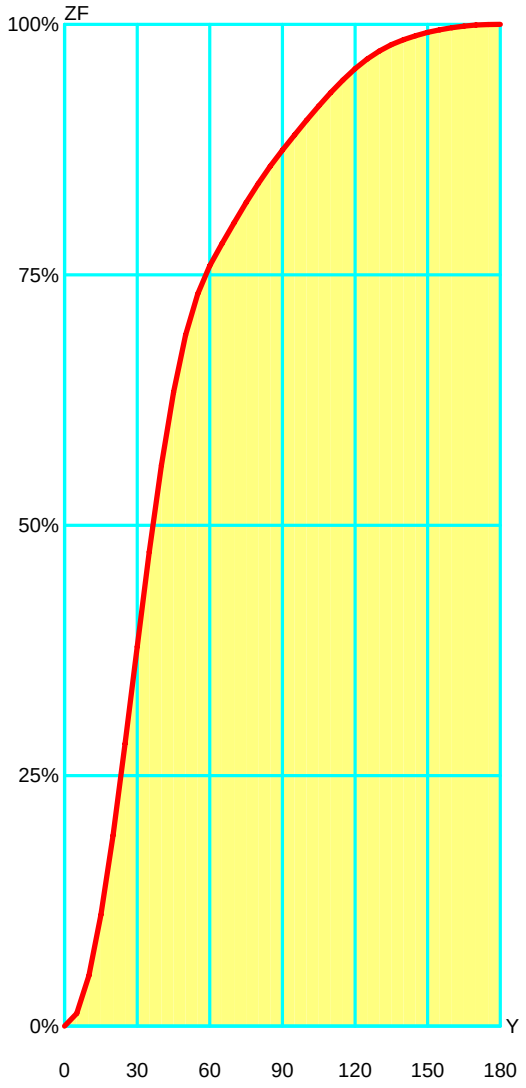
Zonal Flux per 1000 Lumen

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 50 | 190 | 379 | 560 | 690 | 759 | 802 | 841 | 874 | 904 | 932 | 956 | 973 | 985 | 992 | 997 | 999 | 1000 |

CIE Flux Codes

66 87 94 87 100

| | | | |
|---|---|---|---|
| C.I.E. | 2/2/2/3/3/3/3/3/3/4/4 | LOR | 100.00000 % |
| D DIN 5040 | B51 | ULOR | 12.55855 % |
| F UTE | 0.87 C + 0.13 T | DLOR | 87.44145 % |
| B NBN | BZ 2 / 1 / BZ 3 | UFF | 12.55855 % |
| RN | 12.55855 % | DFF | 87.44145 % |
| BLF | 1.0 | FFR | 14.36224 % |




| Zonal Flux | | | | |
|---|---|---|---|---|
| Gamma ° | Flux | Sum lm | Flux [%] | Sum [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 12.66 | 12.66 | 1.27 % | 1.27 % |
| 10° | 37.60 | 50.26 | 3.76 % | 5.03 % |
| 15° | 60.72 | 110.98 | 6.07 % | 11.10 % |
| 20° | 79.43 | 190.41 | 7.94 % | 19.04 % |
| 25° | 91.64 | 282.04 | 9.16 % | 28.20 % |
| 30° | 96.74 | 378.78 | 9.67 % | 37.88 % |
| 35° | 94.71 | 473.50 | 9.47 % | 47.35 % |
| 40° | 86.31 | 559.81 | 8.63 % | 55.98 % |
| 45° | 73.10 | 632.91 | 7.31 % | 63.29 % |
| 50° | 57.05 | 689.97 | 5.71 % | 69.00 % |
| 55° | 40.95 | 730.92 | 4.10 % | 73.09 % |
| 60° | 28.12 | 759.04 | 2.81 % | 75.90 % |
| 65° | 21.98 | 781.02 | 2.20 % | 78.10 % |
| 70° | 20.84 | 801.86 | 2.08 % | 80.19 % |
| 75° | 20.15 | 822.01 | 2.02 % | 82.20 % |
| 80° | 18.98 | 840.99 | 1.90 % | 84.10 % |
| 85° | 17.44 | 858.43 | 1.74 % | 85.84 % |
| 90° | 15.98 | 874.41 | 1.60 % | 87.44 % |
| 95° | 15.21 | 889.63 | 1.52 % | 88.96 % |
| 100° | 14.74 | 904.37 | 1.47 % | 90.44 % |
| 105° | 14.13 | 918.50 | 1.41 % | 91.85 % |
| 110° | 13.44 | 931.94 | 1.34 % | 93.19 % |
| 115° | 12.52 | 944.46 | 1.25 % | 94.45 % |
| 120° | 11.23 | 955.70 | 1.12 % | 95.57 % |
| 125° | 9.64 | 965.33 | 0.96 % | 96.53 % |
| 130° | 7.96 | 973.29 | 0.80 % | 97.33 % |
| 135° | 6.39 | 979.67 | 0.64 % | 97.97 % |
| 140° | 5.05 | 984.73 | 0.51 % | 98.47 % |
| 145° | 4.02 | 988.74 | 0.40 % | 98.87 % |
| 150° | 3.23 | 991.97 | 0.32 % | 99.20 % |
| 155° | 2.58 | 994.55 | 0.26 % | 99.45 % |
| 160° | 2.06 | 996.61 | 0.21 % | 99.66 % |
| 165° | 1.61 | 998.21 | 0.16 % | 99.82 % |
| 170° | 1.10 | 999.31 | 0.11 % | 99.93 % |
| 175° | 0.55 | 999.87 | 0.06 % | 99.99 % |
| 180° | 0.13 | 1000.00 | 0.01 % | 100.00 % |

| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

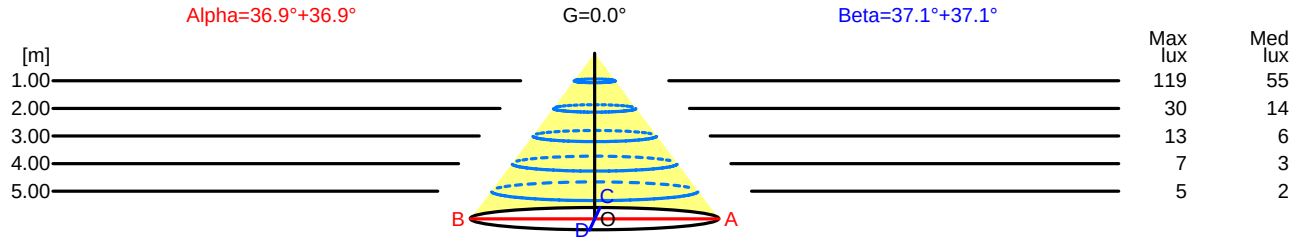
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Apertura a 50.00 % de Max Intensidad

| 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 | 2.25 | 3.00 | 3.75 | OC | 0.76 | 1.51 | 2.27 | 3.03 | 3.79 |
| OB | 0.75 | 1.50 | 2.25 | 3.00 | 3.75 | OD | 0.76 | 1.51 | 2.27 | 3.03 | 3.79 |

Intensidades Luminosas [ cd/klm]

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 119.13 | 118.87 | 113.67 | 91.72 | 64.68 | 37.49 | 15.99 | 9.98 | 8.42 | 6.56 |
| OB | 119.13 | 118.87 | 113.67 | 91.72 | 64.68 | 37.49 | 15.99 | 9.98 | 8.42 | 6.56 |
| OC | 119.13 | 118.86 | 110.97 | 92.60 | 66.30 | 38.05 | 16.71 | 9.41 | 8.43 | 6.89 |
| OD | 119.13 | 118.86 | 110.97 | 92.60 | 66.30 | 38.05 | 16.71 | 9.41 | 8.43 | 6.89 |




| H[m] | D[m] | Max lux | Med lux | Alpha=36.9°+36.9° G=0.0 |
|---|---|---|---|---|
| 1.00 | 1.50 | 119 | 55 | |
| 2.00 | 3.00 | 30 | 14 | |
| 3.00 | 4.50 | 13 | 6 | |
| 4.00 | 6.00 | 7 | 3 | |
| 5.00 | 7.50 | 5 | 2 | |

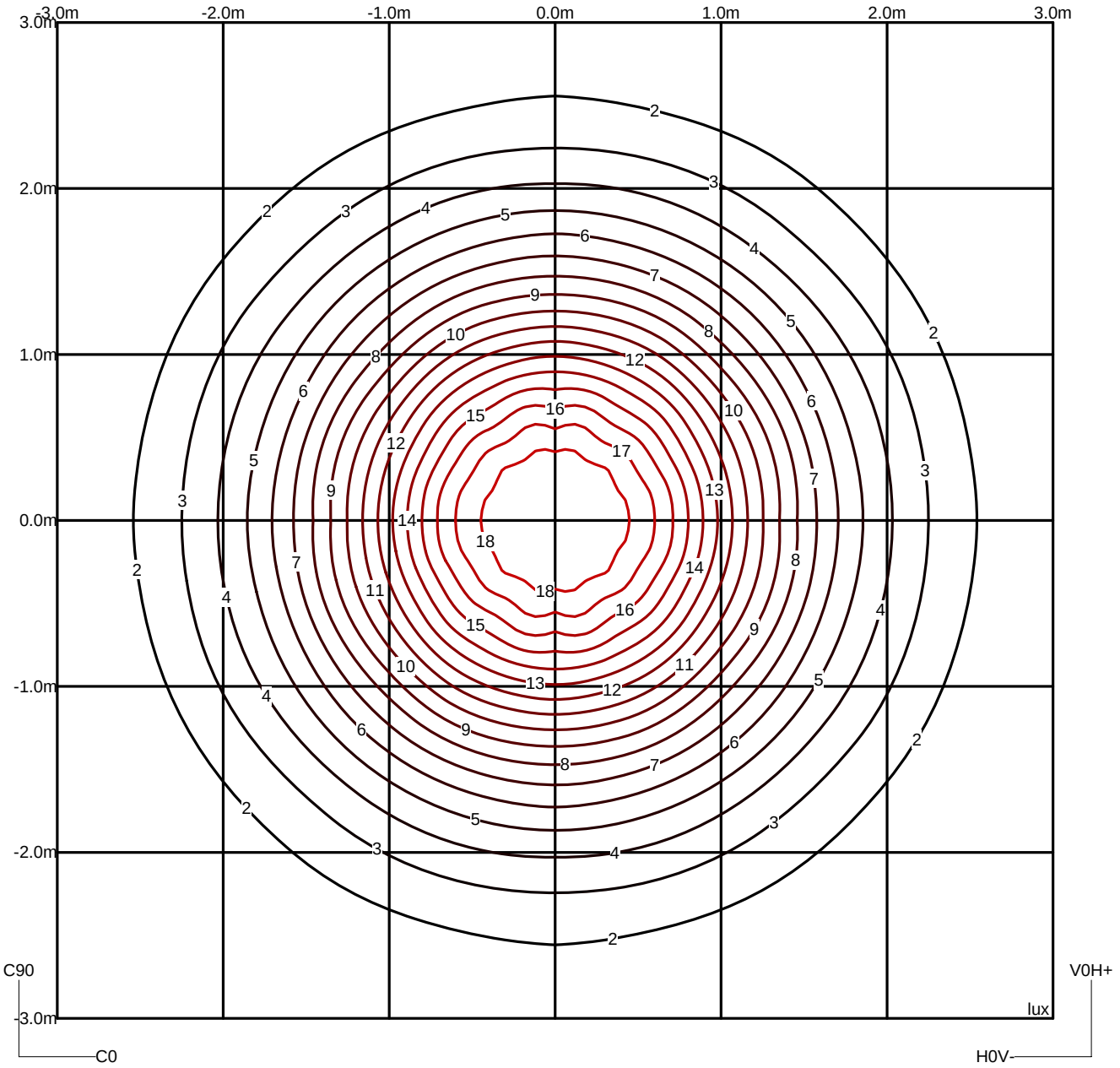
| H[m] | D[m] | Max lux | Med lux | Beta=37.1°+37.1° G=0.0 |
|---|---|---|---|---|
| 1.00 | 1.51 | 119 | 55 | |
| 2.00 | 3.03 | 30 | 14 | |
| 3.00 | 4.54 | 13 | 6 | |
| 4.00 | 6.06 | 7 | 3 | |
| 5.00 | 7.57 | 5 | 2 | |

| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



**Luminaria**
Código 33507302xx+P804
Nombre GAROTA-A/01 LED 9W marrón
Familia - BOVER

**Ensayo**
Código 33501102xx+P804
Nombre GAROTA-PF/01 LED 9W marrón
Fecha 09-09-2015

**Lámpara**
Código 33501102xx+P804
Número 1
Posición Universal

| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Utilización CIE

Montaje Directo Normalización Normalizados Raz. de Susp. 1/3 CIE Estándar

Techo

| 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 | 283 | 254 | 232 | 209 | 242 | 200 | 182 | 155 | 153 | 131 | 122 | 92 | 100 | 68 | 122 | 99 | 87 | 81 | 65 | 83 | 69 | 59 | 47 |
| 0.80 | 323 | 296 | 249 | 229 | 282 | 219 | 217 | 190 | 172 | 152 | 139 | 110 | 114 | 83 | 142 | 116 | 105 | 96 | 79 | 99 | 83 | 73 | 56 |
| 1.00 | 350 | 325 | 255 | 239 | 310 | 229 | 245 | 219 | 184 | 165 | 151 | 124 | 125 | 96 | 155 | 128 | 118 | 108 | 92 | 112 | 94 | 84 | 63 |
| 1.25 | 375 | 353 | 258 | 245 | 336 | 235 | 273 | 248 | 194 | 177 | 162 | 138 | 136 | 109 | 167 | 141 | 131 | 120 | 105 | 125 | 107 | 96 | 70 |
| 1.50 | 393 | 373 | 259 | 248 | 355 | 239 | 296 | 272 | 201 | 186 | 170 | 148 | 145 | 120 | 175 | 150 | 141 | 130 | 115 | 135 | 117 | 106 | 75 |
| 2.00 | 417 | 400 | 257 | 248 | 382 | 240 | 329 | 308 | 208 | 196 | 182 | 163 | 159 | 137 | 186 | 164 | 156 | 145 | 132 | 149 | 133 | 123 | 84 |
| 2.50 | 433 | 419 | 254 | 247 | 400 | 240 | 353 | 334 | 213 | 203 | 189 | 173 | 169 | 150 | 193 | 173 | 166 | 156 | 144 | 160 | 145 | 135 | 90 |
| 3.00 | 444 | 432 | 251 | 246 | 412 | 239 | 370 | 353 | 215 | 207 | 195 | 181 | 177 | 159 | 198 | 180 | 174 | 164 | 154 | 167 | 153 | 144 | 94 |
| 4.00 | 459 | 450 | 249 | 245 | 430 | 239 | 395 | 381 | 220 | 213 | 203 | 191 | 187 | 173 | 204 | 190 | 185 | 176 | 167 | 178 | 166 | 157 | 100 |
| 5.00 | 469 | 461 | 247 | 244 | 442 | 238 | 411 | 399 | 222 | 217 | 207 | 198 | 194 | 182 | 209 | 196 | 192 | 184 | 176 | 185 | 175 | 166 | 105 |
| 10.00 | 490 | 486 | 242 | 240 | 466 | 236 | 448 | 441 | 227 | 224 | 218 | 213 | 210 | 203 | 217 | 209 | 207 | 202 | 197 | 201 | 195 | 188 | 114 |
| 20.00 | 500 | 498 | 237 | 237 | 479 | 233 | 469 | 465 | 228 | 227 | 224 | 221 | 219 | 215 | 221 | 217 | 215 | 212 | 210 | 210 | 206 | 201 | 120 |

Pared

| 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 | 386 | 370 | 321 | 309 | 362 | 303 | 285 | 273 | 245 | 235 | 205 | 194 | 177 | 166 | 230 | 195 | 191 | 170 | 164 | 188 | 165 | 161 | 142 |
| 0.80 | 435 | 419 | 350 | 339 | 407 | 331 | 332 | 317 | 276 | 266 | 237 | 224 | 208 | 195 | 259 | 225 | 220 | 199 | 192 | 216 | 192 | 187 | 164 |
| 1.00 | 467 | 451 | 364 | 354 | 436 | 345 | 364 | 348 | 295 | 285 | 258 | 244 | 228 | 215 | 275 | 243 | 238 | 218 | 211 | 232 | 210 | 203 | 177 |
| 1.25 | 497 | 482 | 377 | 368 | 463 | 357 | 396 | 380 | 312 | 302 | 277 | 264 | 249 | 235 | 291 | 261 | 256 | 237 | 229 | 249 | 227 | 219 | 190 |
| 1.50 | 519 | 505 | 385 | 378 | 484 | 366 | 421 | 405 | 325 | 316 | 293 | 279 | 266 | 251 | 303 | 275 | 270 | 252 | 244 | 261 | 241 | 232 | 200 |
| 2.00 | 543 | 531 | 388 | 382 | 506 | 370 | 451 | 436 | 336 | 328 | 308 | 296 | 284 | 270 | 312 | 288 | 284 | 268 | 261 | 273 | 255 | 244 | 208 |
| 2.50 | 559 | 548 | 389 | 384 | 521 | 371 | 472 | 458 | 342 | 335 | 318 | 307 | 297 | 283 | 318 | 297 | 293 | 279 | 272 | 280 | 265 | 252 | 213 |
| 3.00 | 569 | 559 | 388 | 383 | 530 | 371 | 486 | 473 | 346 | 340 | 324 | 314 | 305 | 292 | 321 | 303 | 298 | 286 | 279 | 284 | 270 | 257 | 216 |
| 4.00 | 592 | 584 | 397 | 393 | 552 | 380 | 516 | 504 | 360 | 355 | 341 | 333 | 325 | 314 | 334 | 319 | 315 | 305 | 299 | 299 | 287 | 272 | 228 |
| 5.00 | 610 | 603 | 406 | 403 | 570 | 390 | 538 | 528 | 372 | 368 | 356 | 349 | 341 | 331 | 346 | 333 | 330 | 321 | 315 | 312 | 302 | 285 | 239 |
| 10.00 | 658 | 654 | 433 | 431 | 617 | 418 | 597 | 591 | 407 | 405 | 397 | 393 | 388 | 381 | 381 | 373 | 371 | 365 | 361 | 350 | 343 | 323 | 273 |
| 20.00 | 687 | 684 | 449 | 448 | 645 | 435 | 634 | 630 | 429 | 428 | 423 | 420 | 418 | 414 | 402 | 398 | 396 | 393 | 391 | 374 | 369 | 347 | 295 |

P.Trab.

| 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 | 662 | 645 | 617 | 605 | 635 | 597 | 541 | 529 | 521 | 511 | 470 | 459 | 433 | 423 | 504 | 459 | 455 | 426 | 420 | 451 | 420 | 416 | 403 |
| 0.80 | 755 | 736 | 695 | 682 | 721 | 671 | 627 | 611 | 598 | 586 | 546 | 531 | 507 | 492 | 575 | 530 | 524 | 495 | 488 | 518 | 487 | 480 | 466 |
| 1.00 | 828 | 809 | 755 | 742 | 789 | 729 | 699 | 681 | 661 | 648 | 610 | 593 | 571 | 554 | 634 | 590 | 584 | 556 | 548 | 576 | 545 | 536 | 521 |
| 1.25 | 895 | 877 | 807 | 795 | 852 | 779 | 766 | 746 | 717 | 704 | 669 | 651 | 630 | 612 | 686 | 645 | 639 | 612 | 603 | 627 | 598 | 587 | 571 |
| 1.50 | 945 | 927 | 844 | 833 | 898 | 816 | 817 | 797 | 759 | 746 | 713 | 695 | 676 | 656 | 725 | 687 | 680 | 655 | 645 | 666 | 638 | 624 | 608 |
| 2.00 | 1000 | 1000 | 896 | 887 | 966 | 868 | 895 | 875 | 820 | 809 | 781 | 763 | 747 | 727 | 783 | 750 | 743 | 722 | 711 | 725 | 701 | 683 | 667 |
| 2.50 | 1000 | 1000 | 928 | 921 | 1000 | 900 | 947 | 929 | 860 | 849 | 825 | 809 | 795 | 775 | 820 | 791 | 785 | 766 | 756 | 763 | 742 | 721 | 704 |
| 3.00 | 1000 | 1000 | 951 | 944 | 1000 | 923 | 985 | 968 | 887 | 878 | 857 | 841 | 829 | 810 | 846 | 821 | 815 | 798 | 788 | 790 | 772 | 748 | 731 |
| 4.00 | 1000 | 1000 | 976 | 971 | 1000 | 948 | 1000 | 1000 | 920 | 912 | 894 | 881 | 871 | 854 | 876 | 855 | 850 | 836 | 827 | 822 | 806 | 779 | 760 |
| 5.00 | 1000 | 1000 | 991 | 987 | 1000 | 964 | 1000 | 1000 | 940 | 933 | 917 | 906 | 897 | 882 | 895 | 877 | 872 | 860 | 852 | 841 | 827 | 797 | 779 |
| 10.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 997 | 1000 | 1000 | 983 | 979 | 969 | 962 | 957 | 947 | 936 | 925 | 922 | 915 | 909 | 884 | 876 | 840 | 820 |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 996 | 993 | 987 | 960 | 954 | 952 | 948 | 945 | 910 | 906 | 866 | 845 |

**LM53 SHR C0-C180: 1.030 SHR C90-C270: 1.041 SHR Superficial: 1.075**

| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

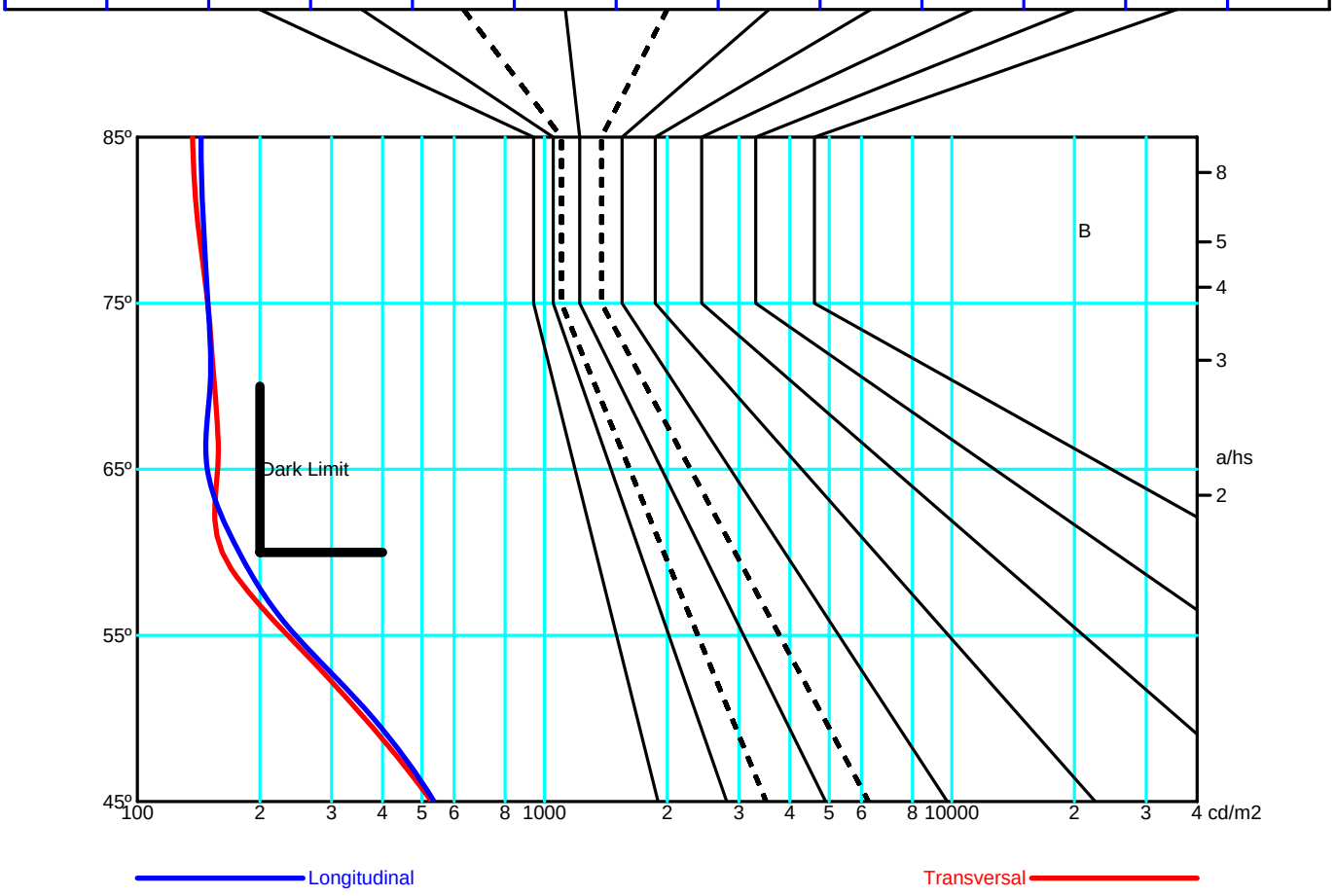
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Luminancia Media [cd/m²]

| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0° | 528 | 362 | 234 | 162 | 158 | 155 | 149 | 141 | 137 | --- |
| 90.0° | 536 | 380 | 245 | 178 | 149 | 151 | 149 | 145 | 143 | --- |

Flush mounted or transveral view

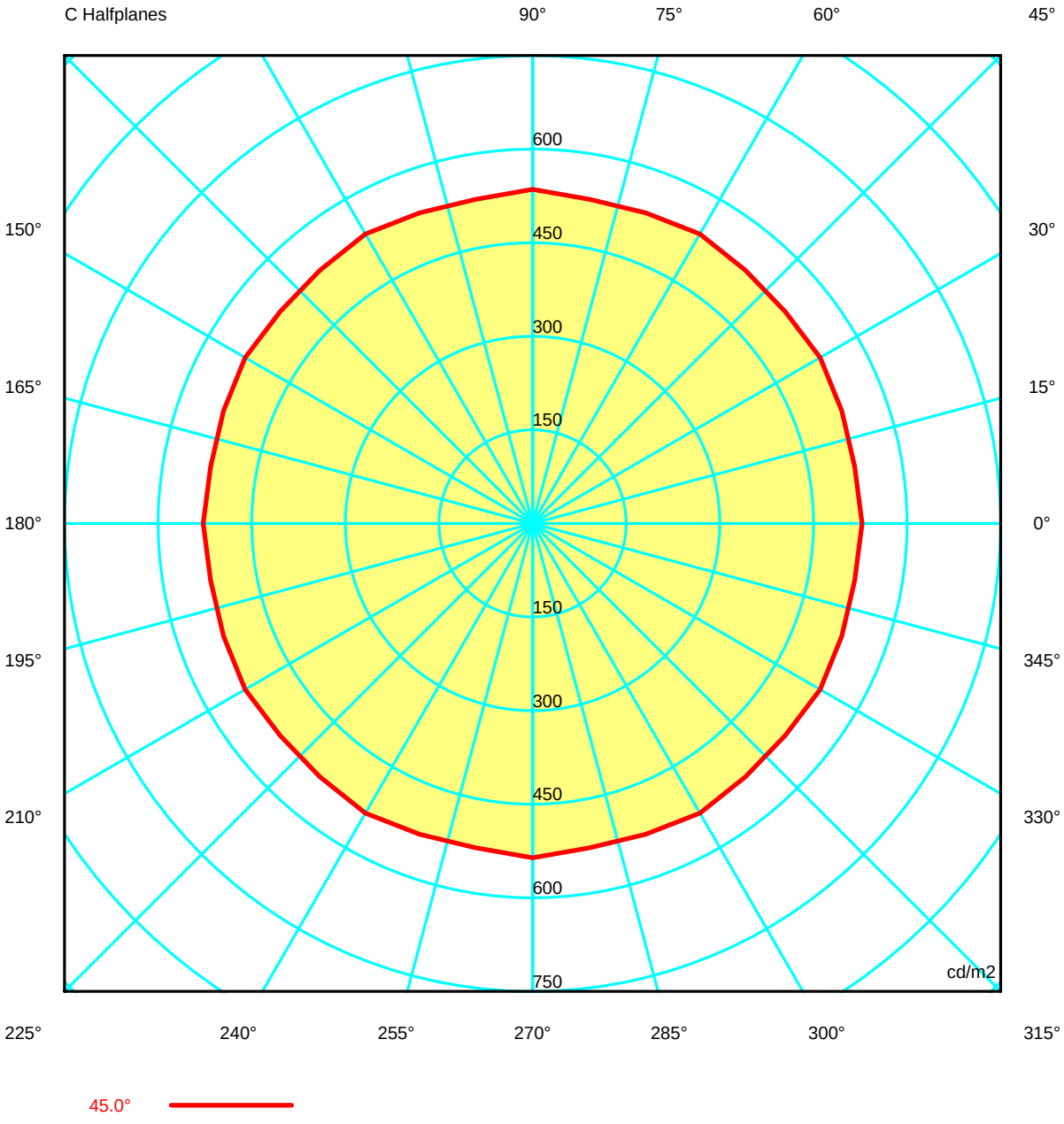
| | | Illumination(lx) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | A | 2000 | 1000 | 750 | 500 | | <300 | | | | | 1.15 |
| B | 1 | | 2000 | 1500 | 1000 | 750 | 500 | <300 | | | | 1.5 |
| C | | | | | 2000 | | 1000 | 500 | <300 | | | 1.85 |
| D | 2 | | | | | | 2000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



| Luminaria | | Ensayo | | Lámpara | |
|---|---|---|---|---|---|
| Código | 33507302xx+P804 | Código | 33501102xx+P804 | Código | 33501102xx+P804 |
| Nombre | GAROTA-A/01 LED 9W marrón | Nombre | GAROTA-PF/01 LED 9W marrón | Número | 1 |
| Familia | - BOVER | Fecha | 09-09-2015 | Posición | Universal |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

Luminancia



**Luminaria**
Código 33507302xx+P804
Nombre GAROTA-A/01 LED 9W marrón
Familia - BOVER

**Ensayo**
Código 33501102xx+P804
Nombre GAROTA-PF/01 LED 9W marrón
Fecha 09-09-2015

**Lámpara**
Código 33501102xx+P804
Número 1
Posición Universal

| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

**Luminance cd/m2** **Tabla 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 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 |
| G 5.0 | 1954.94 | 1954.92 | 1954.65 | 1954.08 | 1954.06 | 1954.49 | 1954.79 | 1954.47 | 1954.38 | 1954.84 | 1954.38 | 1954.47 | 1954.79 |
| G 10.0 | 1848.00 | 1845.97 | 1838.84 | 1831.18 | 1842.57 | 1838.03 | 1822.31 | 1834.61 | 1841.30 | 1826.66 | 1841.30 | 1834.61 | 1822.31 |
| G 15.0 | 1709.74 | 1712.69 | 1703.01 | 1690.91 | 1695.86 | 1686.54 | 1673.49 | 1697.41 | 1702.84 | 1669.04 | 1702.84 | 1697.41 | 1673.49 |
| G 20.0 | 1514.07 | 1512.89 | 1508.97 | 1506.41 | 1517.84 | 1521.19 | 1514.48 | 1517.33 | 1520.36 | 1520.99 | 1520.36 | 1517.33 | 1514.48 |
| G 25.0 | 1307.46 | 1311.81 | 1313.36 | 1312.84 | 1314.30 | 1320.89 | 1326.84 | 1322.26 | 1318.84 | 1320.08 | 1318.84 | 1322.26 | 1326.84 |
| G 30.0 | 1099.11 | 1115.30 | 1122.13 | 1117.24 | 1107.81 | 1110.44 | 1121.21 | 1120.40 | 1115.89 | 1113.93 | 1115.89 | 1120.40 | 1121.21 |
| G 35.0 | 902.41 | 897.63 | 896.66 | 901.26 | 909.72 | 913.66 | 914.70 | 914.93 | 917.44 | 924.94 | 917.44 | 914.93 | 914.70 |
| G 40.0 | 712.80 | 714.52 | 718.39 | 719.10 | 709.89 | 706.99 | 713.53 | 716.36 | 712.72 | 704.76 | 712.72 | 716.36 | 713.53 |
| G 45.0 | 527.83 | 524.06 | 527.13 | 532.00 | 528.29 | 530.12 | 535.89 | 529.93 | 527.64 | 535.67 | 527.64 | 529.93 | 535.89 |
| G 50.0 | 362.01 | 364.18 | 366.70 | 368.97 | 369.44 | 374.44 | 379.95 | 366.16 | 362.65 | 380.03 | 362.65 | 366.16 | 379.95 |
| G 55.0 | 234.34 | 242.66 | 250.03 | 248.31 | 232.25 | 234.43 | 250.14 | 243.11 | 237.07 | 244.85 | 237.07 | 243.11 | 250.14 |
| G 60.0 | 161.69 | 158.29 | 162.91 | 167.29 | 157.80 | 161.87 | 174.10 | 162.40 | 159.13 | 177.93 | 159.13 | 162.40 | 174.10 |
| G 65.0 | 157.53 | 156.12 | 152.73 | 148.57 | 146.80 | 145.85 | 145.98 | 148.93 | 150.29 | 148.57 | 150.29 | 148.93 | 145.98 |
| G 70.0 | 154.68 | 154.04 | 151.48 | 148.13 | 147.01 | 146.73 | 146.90 | 148.61 | 150.22 | 151.00 | 150.22 | 148.61 | 146.90 |
| G 75.0 | 148.91 | 147.72 | 146.70 | 146.07 | 146.08 | 146.86 | 147.61 | 147.29 | 147.57 | 149.03 | 147.57 | 147.29 | 147.61 |
| G 80.0 | 140.57 | 142.44 | 144.31 | 145.57 | 145.51 | 145.53 | 146.20 | 146.75 | 146.43 | 145.26 | 146.43 | 146.75 | 146.20 |
| G 85.0 | 136.69 | 138.14 | 139.23 | 140.81 | 143.83 | 145.18 | 144.04 | 142.70 | 142.52 | 143.46 | 142.52 | 142.70 | 144.04 |
| G 90.0 | 139.25 | 140.84 | 143.38 | 146.08 | 147.23 | 148.07 | 148.48 | 147.27 | 147.44 | 149.90 | 147.44 | 147.27 | 148.48 |

**Luminaria**
Código 33507302xx+P804
Nombre GAROTA-A/01 LED 9W marrón
Familia - BOVER

**Ensayo**
Código 33501102xx+P804
Nombre GAROTA-PF/01 LED 9W marrón
Fecha 09-09-2015

**Lámpara**
Código 33501102xx+P804
Número 1
Posición Universal

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

**Luminance cd/m2** **Tabla 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 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 |
| G 5.0 | 1954.49 | 1954.06 | 1954.08 | 1954.65 | 1954.92 | 1954.94 | 1954.92 | 1954.65 | 1954.08 | 1954.06 | 1954.49 | 1954.79 | 1954.47 |
| G 10.0 | 1838.03 | 1842.57 | 1831.18 | 1838.84 | 1845.97 | 1848.00 | 1845.97 | 1838.84 | 1831.18 | 1842.57 | 1838.03 | 1822.31 | 1834.61 |
| G 15.0 | 1686.54 | 1695.86 | 1690.91 | 1703.01 | 1712.69 | 1709.74 | 1712.69 | 1703.01 | 1690.91 | 1695.86 | 1686.54 | 1673.49 | 1697.41 |
| G 20.0 | 1521.19 | 1517.84 | 1506.41 | 1508.97 | 1512.89 | 1514.07 | 1512.89 | 1508.97 | 1506.41 | 1517.84 | 1521.19 | 1514.48 | 1517.33 |
| G 25.0 | 1320.89 | 1314.30 | 1312.84 | 1313.36 | 1311.81 | 1307.46 | 1311.81 | 1313.36 | 1312.84 | 1314.30 | 1320.89 | 1326.84 | 1322.26 |
| G 30.0 | 1110.44 | 1107.81 | 1117.24 | 1122.13 | 1115.30 | 1099.11 | 1115.30 | 1122.13 | 1117.24 | 1107.81 | 1110.44 | 1121.21 | 1120.40 |
| G 35.0 | 913.66 | 909.72 | 901.26 | 896.66 | 897.63 | 902.41 | 897.63 | 896.66 | 901.26 | 909.72 | 913.66 | 914.70 | 914.93 |
| G 40.0 | 706.99 | 709.89 | 719.10 | 718.39 | 714.52 | 712.80 | 714.52 | 718.39 | 719.10 | 709.89 | 706.99 | 713.53 | 716.36 |
| G 45.0 | 530.12 | 528.29 | 532.00 | 527.13 | 524.06 | 527.83 | 524.06 | 527.13 | 532.00 | 528.29 | 530.12 | 535.89 | 529.93 |
| G 50.0 | 374.44 | 369.44 | 368.97 | 366.70 | 364.18 | 362.01 | 364.18 | 366.70 | 368.97 | 369.44 | 374.44 | 379.95 | 366.16 |
| G 55.0 | 234.43 | 232.25 | 248.31 | 250.03 | 242.66 | 234.34 | 242.66 | 250.03 | 248.31 | 232.25 | 234.43 | 250.14 | 243.11 |
| G 60.0 | 161.87 | 157.80 | 167.29 | 162.91 | 158.29 | 161.69 | 158.29 | 162.91 | 167.29 | 157.80 | 161.87 | 174.10 | 162.40 |
| G 65.0 | 145.85 | 146.80 | 148.57 | 152.73 | 156.12 | 157.53 | 156.12 | 152.73 | 148.57 | 146.80 | 145.85 | 145.98 | 148.93 |
| G 70.0 | 146.73 | 147.01 | 148.13 | 151.48 | 154.04 | 154.68 | 154.04 | 151.48 | 148.13 | 147.01 | 146.73 | 146.90 | 148.61 |
| G 75.0 | 146.86 | 146.08 | 146.07 | 146.70 | 147.72 | 148.91 | 147.72 | 146.70 | 146.07 | 146.08 | 146.86 | 147.61 | 147.29 |
| G 80.0 | 145.53 | 145.51 | 145.57 | 144.31 | 142.44 | 140.57 | 142.44 | 144.31 | 145.57 | 145.51 | 145.53 | 146.20 | 146.75 |
| G 85.0 | 145.18 | 143.83 | 140.81 | 139.23 | 138.14 | 136.69 | 138.14 | 139.23 | 140.81 | 143.83 | 145.18 | 144.04 | 142.70 |
| G 90.0 | 148.07 | 147.23 | 146.08 | 143.38 | 140.84 | 139.25 | 140.84 | 143.38 | 146.08 | 147.23 | 148.07 | 148.48 | 147.27 |

**Luminaria**
Código 33507302xx+P804
Nombre GAROTA-A/01 LED 9W marrón
Familia - BOVER

**Ensayo**
Código 33501102xx+P804
Nombre GAROTA-PF/01 LED 9W marrón
Fecha 09-09-2015

**Lámpara**
Código 33501102xx+P804
Número 1
Posición Universal

| Flujo Luminaria | 224.71 lm | Potencia luminaria | 9.00 W | Eficencia | 24.97 lm/W | Rendimiento | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 224.71 lm | Valor Máximo | 530.15 cd/klm | Posición | C=0.00 G=0.00 | CG | Bisimétrico |

**Luminance cd/m2** **Tabla 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 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 | 2080.65 |
| G 5.0 | 1954.38 | 1954.84 | 1954.38 | 1954.47 | 1954.79 | 1954.49 | 1954.06 | 1954.08 | 1954.65 | 1954.92 |
| G 10.0 | 1841.30 | 1826.66 | 1841.30 | 1834.61 | 1822.31 | 1838.03 | 1842.57 | 1831.18 | 1838.84 | 1845.97 |
| G 15.0 | 1702.84 | 1669.04 | 1702.84 | 1697.41 | 1673.49 | 1686.54 | 1695.86 | 1690.91 | 1703.01 | 1712.69 |
| G 20.0 | 1520.36 | 1520.99 | 1520.36 | 1517.33 | 1514.48 | 1521.19 | 1517.84 | 1506.41 | 1508.97 | 1512.89 |
| G 25.0 | 1318.84 | 1320.08 | 1318.84 | 1322.26 | 1326.84 | 1320.89 | 1314.30 | 1312.84 | 1313.36 | 1311.81 |
| G 30.0 | 1115.89 | 1113.93 | 1115.89 | 1120.40 | 1121.21 | 1110.44 | 1107.81 | 1117.24 | 1122.13 | 1115.30 |
| G 35.0 | 917.44 | 924.94 | 917.44 | 914.93 | 914.70 | 913.66 | 909.72 | 901.26 | 896.66 | 897.63 |
| G 40.0 | 712.72 | 704.76 | 712.72 | 716.36 | 713.53 | 706.99 | 709.89 | 719.10 | 718.39 | 714.52 |
| G 45.0 | 527.64 | 535.67 | 527.64 | 529.93 | 535.89 | 530.12 | 528.29 | 532.00 | 527.13 | 524.06 |
| G 50.0 | 362.65 | 380.03 | 362.65 | 366.16 | 379.95 | 374.44 | 369.44 | 368.97 | 366.70 | 364.18 |
| G 55.0 | 237.07 | 244.85 | 237.07 | 243.11 | 250.14 | 234.43 | 232.25 | 248.31 | 250.03 | 242.66 |
| G 60.0 | 159.13 | 177.93 | 159.13 | 162.40 | 174.10 | 161.87 | 157.80 | 167.29 | 162.91 | 158.29 |
| G 65.0 | 150.29 | 148.57 | 150.29 | 148.93 | 145.98 | 145.85 | 146.80 | 148.57 | 152.73 | 156.12 |
| G 70.0 | 150.22 | 151.00 | 150.22 | 148.61 | 146.90 | 146.73 | 147.01 | 148.13 | 151.48 | 154.04 |
| G 75.0 | 147.57 | 149.03 | 147.57 | 147.29 | 147.61 | 146.86 | 146.08 | 146.07 | 146.70 | 147.72 |
| G 80.0 | 146.43 | 145.26 | 146.43 | 146.75 | 146.20 | 145.53 | 145.51 | 145.57 | 144.31 | 142.44 |
| G 85.0 | 142.52 | 143.46 | 142.52 | 142.70 | 144.04 | 145.18 | 143.83 | 140.81 | 139.23 | 138.14 |
| G 90.0 | 147.44 | 149.90 | 147.44 | 147.27 | 148.48 | 148.07 | 147.23 | 146.08 | 143.38 | 140.84 |