

**Luminaria**

Código A704-002-16-27K  
Nombre AMBROSIA 180 BLACK 27K

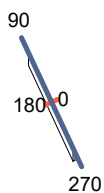
**Ensayo**

Código CL041A21F032G  
Nombre AMBROSIA 180 BLACK 27K

|                            |            |                    |           |                               |               |                |         |
|----------------------------|------------|--------------------|-----------|-------------------------------|---------------|----------------|---------|
| Flujo Luminaria            | 2833.32 lm | Potencia Luminaria | 31.64 W   | Eficacia                      | 89.55 lm/W    | Eficiencia     | 100.00% |
| Flujo Fuentes de luz       | 2833.32 lm | Valor Máximo       | 624.24 cd | Posición                      | C=0.00 G=2.50 | CG Bisimétrico |         |
| Luminaria Rectangular      |            | Longit.            | 1800 mm   | Anchura                       | 32 mm         | Altura         | 32 mm   |
| Área Luminosa Rectangular  |            | Longit.            | 1800 mm   | Anchura                       | 30 mm         | Altura         | 30 mm   |
| Área Luminosa Horizontal   |            | 0.054000 m2        |           | Área Emisión sobre Pl. 180°   |               | 0.054000 m2    |         |
| Área Emisión sobre Pl. 0°  |            | 0.054000 m2        |           | Área Emisión sobre Pl. 270°   |               | 0.000900 m2    |         |
| Área Emisión sobre Pl. 90° |            | 0.000900 m2        |           | Área de deslumbramiento a 76° |               | 0.065460 m2    |         |
| Sist. de Coordn.           |            | CG                 |           | Tipo de Simetría              |               | Bisimétrico    |         |
| Fecha                      |            | 09-09-2021         |           | Máximo Ángulo Gamma           |               | 180            |         |
| Distancia de Ensayo        |            | 6.44               |           | Flujo de Ensayo               |               | 2833.32 lm     |         |
| Operador                   |            | ASSELUM            |           | Tensión Nominal               |               | 230.11 V       |         |
| Temperatura                |            | 24.80 °C           |           | Corriente Nominal             |               | 0.14 A         |         |
| Humedad                    |            | 57.50 %            |           | Fotocélula                    |               | Prc            |         |
| Notas                      |            | RM21070711         |           |                               |               |                |         |

| Fuentes de luz de la Luminaria |                 |                     |             |          |       |  |
|--------------------------------|-----------------|---------------------|-------------|----------|-------|--|
| Familia                        | Código LED      | Nombre LED 24V      | Flujo [lm]  | Pot. [W] | Cant. |  |
| C.I.E.                         | 38 66 86 80 100 |                     | 2833.32     | 31.64    | 1     |  |
| F UTE                          | 0.80 H + 0.20 T |                     |             |          |       |  |
|                                |                 | D DIN 5040<br>B NBN | B21<br>BZ 6 |          |       |  |

1800mm x 32mm



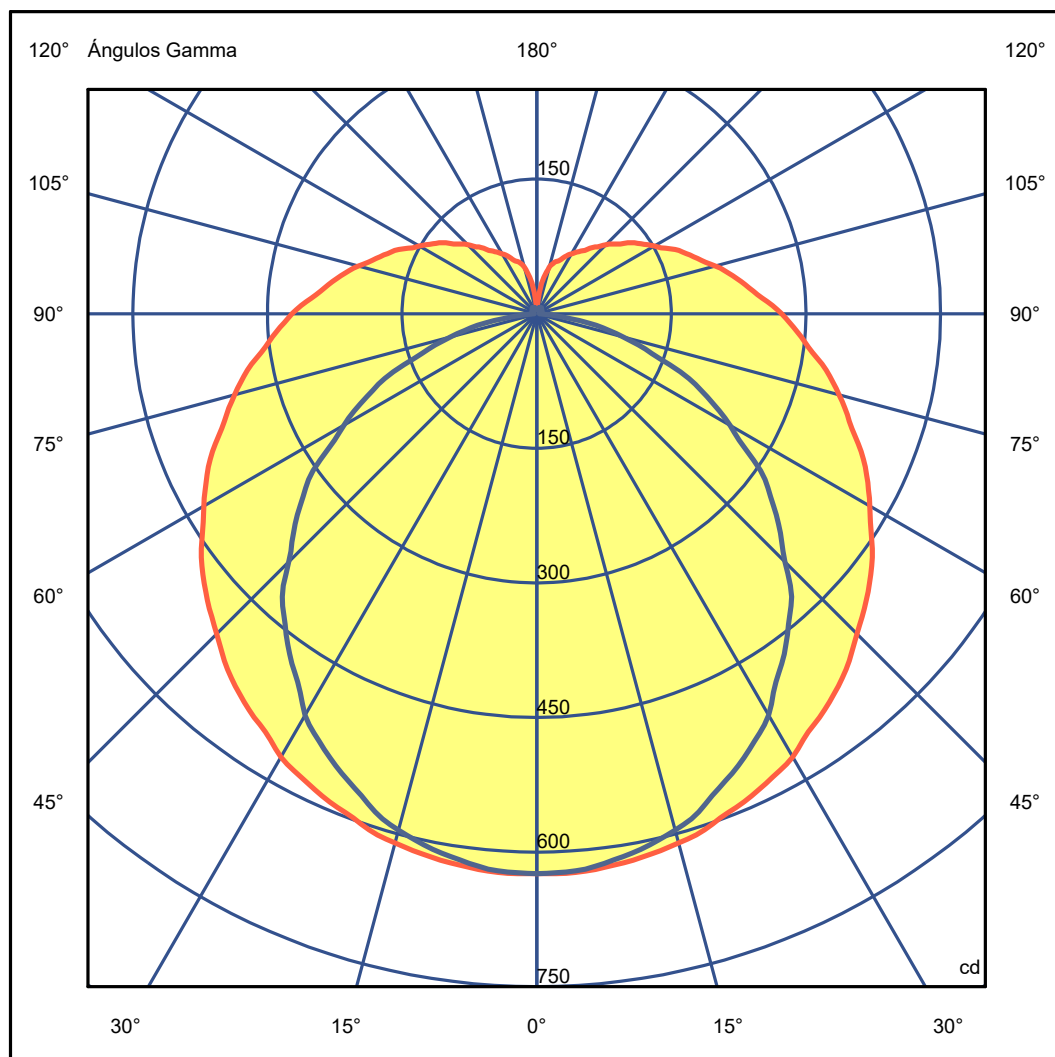
Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 19.90 %

DLOR 80.10 %

RN 19.90 %



**Luminaria**

Código A704-002-16-27K  
Nombre AMBROSIA 180 BLACK 27K

**Ensayo**

Código CL041A21F032G  
Nombre AMBROSIA 180 BLACK 27K

|                      |            |                    |           |          |               |                |         |
|----------------------|------------|--------------------|-----------|----------|---------------|----------------|---------|
| Flujo Luminaria      | 2833.32 lm | Potencia Luminaria | 31.64 W   | Eficacia | 89.55 lm/W    | Eficiencia     | 100.00% |
| Flujo Fuentes de luz | 2833.32 lm | Valor Máximo       | 624.24 cd | Posición | C=0.00 G=2.50 | CG Bisimétrico |         |

Tabla de Intensidad Luminosa cd

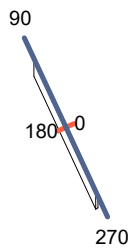
Tabla 1/1

|        | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|--------|--------|---------|---------|---------|---------|---------|---------|
| G 0.0  | 623.90 | 623.90  | 623.90  | 623.90  | 623.90  | 623.90  | 623.90  |
| G 2.5  | 624.24 | 623.95  | 623.57  | 623.27  | 623.16  | 623.16  | 623.18  |
| G 5.0  | 623.57 | 623.08  | 622.46  | 621.87  | 621.45  | 621.20  | 621.12  |
| G 7.5  | 620.93 | 620.71  | 620.28  | 619.37  | 617.87  | 616.40  | 615.73  |
| G 10.0 | 618.12 | 617.59  | 616.53  | 614.92  | 612.96  | 611.07  | 610.23  |
| G 12.5 | 614.62 | 613.78  | 612.20  | 609.90  | 607.08  | 604.62  | 603.56  |
| G 15.0 | 610.60 | 609.33  | 607.07  | 603.92  | 600.17  | 596.93  | 595.55  |
| G 17.5 | 606.10 | 602.97  | 599.06  | 595.23  | 591.63  | 588.03  | 586.33  |
| G 20.0 | 597.95 | 595.23  | 591.67  | 587.30  | 580.40  | 574.13  | 571.40  |
| G 22.5 | 592.00 | 588.09  | 582.55  | 576.37  | 568.38  | 561.70  | 558.90  |
| G 25.0 | 585.28 | 580.63  | 574.05  | 566.65  | 557.11  | 549.11  | 545.76  |
| G 27.5 | 577.82 | 572.33  | 564.55  | 555.79  | 544.75  | 535.55  | 531.70  |
| G 30.0 | 570.27 | 563.76  | 554.17  | 542.54  | 530.32  | 520.52  | 516.50  |
| G 32.5 | 557.62 | 552.30  | 543.37  | 530.36  | 513.96  | 499.42  | 493.15  |
| G 35.0 | 549.04 | 542.16  | 530.63  | 515.15  | 497.28  | 482.16  | 475.78  |
| G 37.5 | 539.66 | 531.86  | 518.87  | 501.49  | 481.49  | 464.57  | 457.45  |
| G 40.0 | 529.69 | 520.71  | 506.14  | 486.86  | 464.83  | 446.27  | 438.47  |
| G 42.5 | 517.57 | 507.32  | 491.26  | 470.49  | 447.15  | 427.67  | 419.51  |
| G 45.0 | 504.37 | 495.14  | 479.49  | 456.58  | 427.60  | 401.88  | 390.78  |
| G 47.5 | 493.13 | 482.38  | 463.94  | 438.16  | 407.20  | 380.44  | 369.04  |
| G 50.0 | 481.79 | 470.35  | 450.68  | 423.03  | 389.64  | 360.68  | 348.33  |
| G 52.5 | 469.75 | 457.17  | 436.03  | 406.43  | 370.64  | 339.59  | 326.33  |
| G 55.0 | 456.32 | 442.97  | 420.64  | 389.36  | 351.46  | 318.52  | 304.46  |
| G 57.5 | 441.16 | 428.48  | 405.76  | 371.55  | 327.60  | 288.34  | 271.34  |
| G 60.0 | 428.49 | 415.55  | 391.88  | 355.75  | 308.88  | 266.82  | 248.57  |
| G 62.5 | 416.28 | 403.03  | 378.41  | 340.28  | 290.28  | 245.19  | 225.59  |
| G 65.0 | 403.72 | 389.98  | 364.46  | 324.37  | 271.11  | 222.79  | 201.72  |
| G 67.5 | 389.61 | 375.53  | 349.21  | 307.47  | 251.57  | 200.70  | 178.48  |
| G 70.0 | 373.62 | 361.07  | 335.30  | 291.13  | 228.93  | 171.12  | 145.64  |
| G 72.5 | 361.33 | 348.75  | 322.30  | 276.26  | 210.80  | 149.74  | 122.78  |
| G 75.0 | 348.72 | 336.70  | 310.30  | 262.75  | 193.73  | 128.83  | 100.07  |
| G 77.5 | 336.19 | 324.03  | 297.23  | 248.36  | 176.83  | 109.33  | 79.38   |
| G 80.0 | 322.75 | 311.03  | 284.23  | 234.23  | 160.10  | 89.82   | 58.57   |
| G 82.5 | 307.31 | 297.18  | 271.56  | 220.48  | 142.05  | 66.72   | 33.05   |
| G 85.0 | 295.80 | 285.69  | 259.78  | 208.08  | 128.76  | 52.61   | 18.57   |
| G 87.5 | 284.09 | 274.25  | 248.69  | 197.29  | 118.13  | 42.03   | 7.99    |
| G 90.0 | 272.85 | 262.25  | 236.38  | 185.88  | 109.16  | 35.76   | 3.00    |
| G 92.5 | 260.06 | 249.06  | 223.43  | 174.90  | 102.37  | 33.39   | 2.69    |
| G 95.0 | 246.65 | 235.64  | 210.65  | 164.40  | 96.17   | 31.60   | 2.92    |
| G 97.5 | 236.42 | 225.02  | 200.16  | 155.54  | 90.88   | 30.11   | 3.19    |
| G100.0 | 226.29 | 214.91  | 190.61  | 147.76  | 86.38   | 28.95   | 3.56    |
| G102.5 | 216.64 | 204.38  | 179.96  | 138.71  | 81.02   | 27.54   | 4.00    |
| G105.0 | 206.05 | 194.53  | 171.19  | 131.92  | 77.31   | 26.81   | 4.60    |
| G107.5 | 194.63 | 183.57  | 161.51  | 124.58  | 73.32   | 25.96   | 5.14    |
| G110.0 | 186.14 | 175.23  | 153.70  | 118.26  | 69.70   | 25.08   | 5.51    |
| G112.5 | 177.89 | 167.31  | 146.63  | 112.82  | 66.68   | 24.35   | 5.80    |
| G115.0 | 169.83 | 159.09  | 138.87  | 106.56  | 63.05   | 23.35   | 6.00    |
| G117.5 | 158.71 | 149.51  | 131.48  | 101.67  | 60.62   | 22.81   | 6.21    |
| G120.0 | 151.08 | 142.31  | 125.11  | 96.78   | 57.88   | 22.09   | 6.39    |
| G122.5 | 143.89 | 135.55  | 119.17  | 92.23   | 55.32   | 21.39   | 6.52    |
| G125.0 | 137.00 | 128.97  | 113.28  | 87.65   | 52.73   | 20.71   | 6.68    |
| G127.5 | 130.39 | 122.04  | 106.46  | 81.95   | 49.35   | 19.77   | 6.88    |
| G130.0 | 121.33 | 114.10  | 100.13  | 77.60   | 47.14   | 19.31   | 7.14    |
| G132.5 | 115.38 | 108.03  | 93.89   | 72.09   | 43.80   | 18.43   | 7.42    |
| G135.0 | 109.26 | 102.59  | 89.31   | 68.70   | 41.98   | 18.03   | 7.64    |
| G137.5 | 101.75 | 96.24   | 84.46   | 65.52   | 40.43   | 17.72   | 7.83    |
| G140.0 | 96.61  | 91.19   | 79.62   | 61.50   | 38.06   | 17.08   | 7.99    |
| G142.5 | 89.79  | 85.62   | 75.64   | 59.11   | 37.00   | 16.93   | 8.17    |
| G145.0 | 85.25  | 81.47   | 71.99   | 56.31   | 35.44   | 16.54   | 8.31    |
| G147.5 | 81.22  | 77.96   | 69.19   | 54.37   | 34.40   | 16.24   | 8.31    |
| G150.0 | 77.24  | 73.36   | 65.13   | 52.74   | 33.52   | 15.86   | 8.12    |
| G152.5 | 73.62  | 69.89   | 61.99   | 50.21   | 31.98   | 15.28   | 7.97    |
| G155.0 | 68.41  | 65.61   | 58.97   | 48.49   | 31.15   | 14.97   | 7.82    |
| G157.5 | 64.00  | 60.87   | 54.89   | 46.67   | 30.13   | 14.48   | 7.53    |
| G160.0 | 61.76  | 58.88   | 53.49   | 45.79   | 29.65   | 14.19   | 7.29    |
| G162.5 | 58.65  | 56.21   | 51.55   | 44.52   | 28.94   | 13.82   | 7.03    |
| G165.0 | 53.83  | 52.38   | 49.06   | 43.30   | 28.37   | 13.47   | 6.70    |
| G167.5 | 45.92  | 49.21   | 49.00   | 42.30   | 28.11   | 13.20   | 6.28    |
| G170.0 | 38.58  | 41.62   | 40.96   | 34.91   | 23.19   | 11.19   | 5.68    |
| G172.5 | 27.27  | 32.40   | 35.37   | 32.64   | 22.54   | 10.87   | 5.28    |
| G175.0 | 12.67  | 18.30   | 23.49   | 24.12   | 17.82   | 9.30    | 5.02    |
| G177.5 | 9.47   | 12.20   | 14.52   | 14.56   | 11.38   | 7.09    | 4.90    |
| G180.0 | 5.73   | 5.73    | 5.73    | 5.73    | 5.73    | 5.73    | 5.73    |

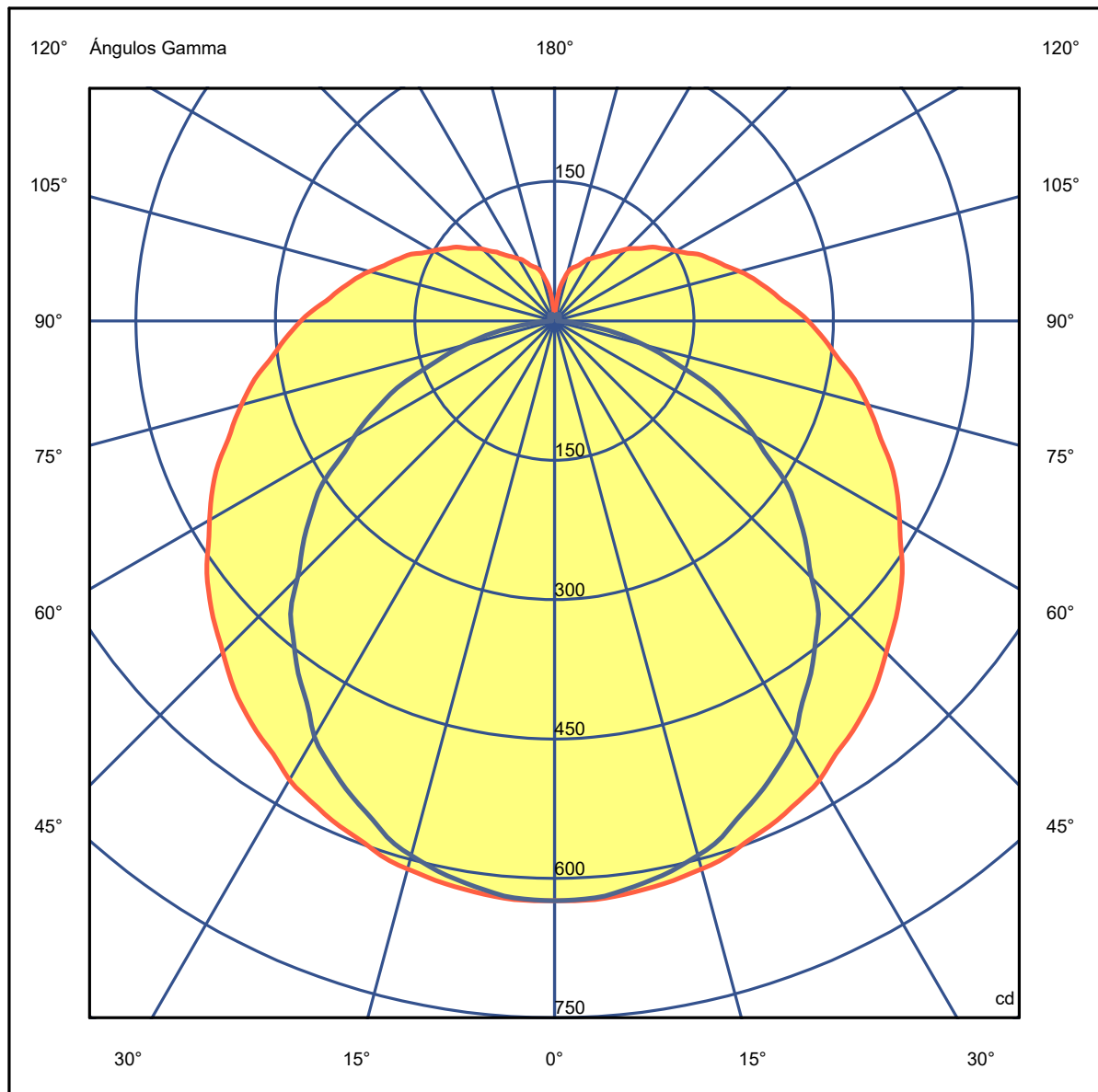
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Nombre AMBROSIA 180 BLACK 27K  
**Ensayo**  
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| Flujo Luminaria      | 2833.32 lm | Potencia Luminaria | 31.64 W   | Eficacia | 89.55 lm/W    | Eficiencia     | 100.00% |
| Flujo Fuentes de luz | 2833.32 lm | Valor Máximo       | 624.24 cd | Posición | C=0.00 G=2.50 | CG Bisimétrico |         |

1800mm x 32mm



Semiplanos C

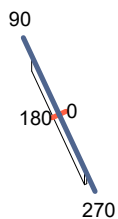


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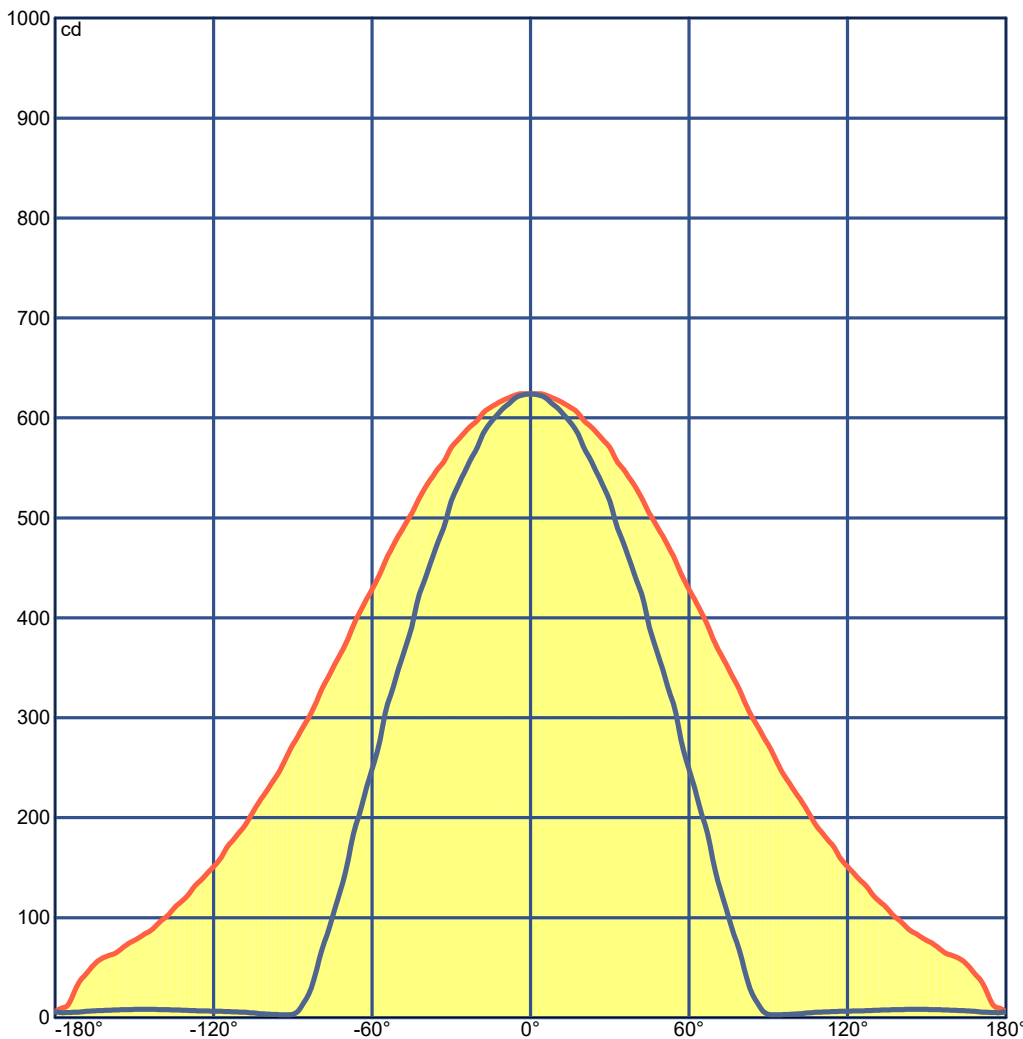
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1800mm x 32mm



Semiplanos C

180.0 0.0  
270.0 90.0



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**UGR**  
 S = 0.250

| Reflectancias         |      |      |      |      |      |                    |      |      |      |      |
|-----------------------|------|------|------|------|------|--------------------|------|------|------|------|
| Techo/Cavidad         | 0.7  | 0.7  | 0.5  | 0.5  | 0.3  | 0.7                | 0.7  | 0.5  | 0.5  | 0.3  |
| Paredes               | 0.5  | 0.3  | 0.5  | 0.3  | 0.3  | 0.5                | 0.3  | 0.5  | 0.3  | 0.3  |
| PDT                   | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2                | 0.2  | 0.2  | 0.2  | 0.2  |
| Dimensiones del Local |      |      |      |      |      |                    |      |      |      |      |
| Vista Lateral         |      |      |      |      |      | Vista Longitudinal |      |      |      |      |
| x=2H y=2H             | 18.0 | 19.2 | 18.6 | 19.7 | 20.4 | 17.5               | 18.7 | 18.1 | 19.2 | 19.9 |
| x=2H y=3H             | 20.0 | 21.1 | 20.6 | 21.7 | 22.4 | 18.9               | 20.0 | 19.5 | 20.6 | 21.2 |
| x=2H y=4H             | 21.1 | 22.1 | 21.7 | 22.7 | 23.4 | 19.4               | 20.4 | 20.0 | 21.0 | 21.7 |
| x=2H y=6H             | 22.1 | 23.0 | 22.7 | 23.7 | 24.4 | 19.7               | 20.7 | 20.4 | 21.3 | 22.0 |
| x=2H y=8H             | 22.6 | 23.5 | 23.2 | 24.1 | 24.8 | 19.8               | 20.7 | 20.4 | 21.4 | 22.1 |
| x=2H y=12H            | 23.0 | 23.9 | 23.7 | 24.6 | 25.3 | 19.8               | 20.7 | 20.5 | 21.4 | 22.1 |
| x=4H y=2H             | 18.6 | 19.6 | 19.2 | 20.2 | 20.9 | 18.2               | 19.2 | 18.8 | 19.8 | 20.5 |
| x=4H y=3H             | 20.9 | 21.8 | 21.5 | 22.4 | 23.2 | 19.8               | 20.7 | 20.5 | 21.3 | 22.1 |
| x=4H y=4H             | 22.1 | 22.9 | 22.8 | 23.5 | 24.3 | 20.4               | 21.2 | 21.1 | 21.9 | 22.7 |
| x=4H y=6H             | 23.3 | 24.0 | 24.0 | 24.7 | 25.5 | 20.9               | 21.6 | 21.6 | 22.3 | 23.1 |
| x=4H y=8H             | 23.9 | 24.5 | 24.6 | 25.2 | 26.0 | 21.0               | 21.7 | 21.7 | 22.4 | 23.2 |
| x=4H y=12H            | 24.4 | 25.0 | 25.1 | 25.7 | 26.6 | 21.1               | 21.6 | 21.8 | 22.4 | 23.2 |
| x=8H y=4H             | 22.4 | 23.1 | 23.1 | 23.8 | 24.6 | 21.0               | 21.7 | 21.7 | 22.4 | 23.2 |
| x=8H y=6H             | 23.8 | 24.4 | 24.6 | 25.1 | 26.0 | 21.7               | 22.3 | 22.4 | 23.0 | 23.8 |
| x=8H y=8H             | 24.6 | 25.1 | 25.3 | 25.8 | 26.7 | 21.9               | 22.4 | 22.7 | 23.2 | 24.0 |
| x=8H y=12H            | 25.3 | 25.8 | 26.1 | 26.5 | 27.4 | 22.0               | 22.5 | 22.8 | 23.2 | 24.1 |
| x=12H y=4H            | 22.6 | 23.2 | 23.4 | 24.0 | 24.8 | 22.2               | 22.8 | 22.9 | 23.5 | 24.4 |
| x=12H y=6H            | 24.1 | 24.6 | 24.8 | 25.3 | 26.2 | 22.8               | 23.3 | 23.6 | 24.0 | 24.9 |
| x=12H y=8H            | 24.9 | 25.3 | 25.6 | 26.1 | 26.9 | 23.1               | 23.5 | 23.8 | 24.2 | 25.1 |

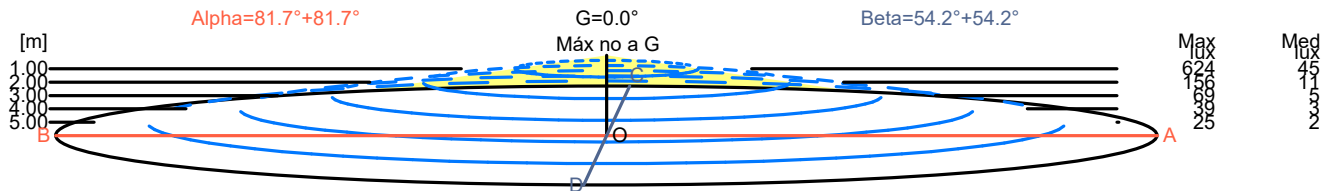
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## Apertura a 50.00 % de Max Intensidad

|      |      |       |       |       |       |      |      |      |      |      |      |
|------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 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   | 6.85 | 13.69 | 20.54 | 27.39 | 34.24 | OC   | 1.39 | 2.78 | 4.16 | 5.55 | 6.94 |
| OB   | 6.85 | 13.69 | 20.54 | 27.39 | 34.24 | OD   | 1.39 | 2.78 | 4.16 | 5.55 | 6.94 |

|    | 0      | 5      | 15     | 25     | 35     | 45     | 55     | 65     | 75     | 85     |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| OA | 623.90 | 623.57 | 610.60 | 585.28 | 549.04 | 504.37 | 456.32 | 403.72 | 348.72 | 295.80 |
| OB | 623.90 | 623.57 | 610.60 | 585.28 | 549.04 | 504.37 | 456.32 | 403.72 | 348.72 | 295.80 |
| OC | 623.90 | 621.12 | 595.55 | 545.76 | 475.78 | 390.78 | 304.46 | 201.72 | 100.07 | 18.57  |
| OD | 623.90 | 621.12 | 595.55 | 545.76 | 475.78 | 390.78 | 304.46 | 201.72 | 100.07 | 18.57  |



| H[m] | D[m]  | Max lux | Med lux | Alpha=81.7°+81.7° | G=0.0<br>Máx no a G |
|------|-------|---------|---------|-------------------|---------------------|
| 1.00 | 13.69 | 624     | 45      |                   |                     |
| 2.00 | 27.39 | 156     | 11      |                   |                     |
| 3.00 | 41.08 | 69      | 5       |                   |                     |
| 4.00 | 54.78 | 39      | 3       |                   |                     |
| 5.00 | 68.47 | 25      | 2       |                   |                     |

| H[m] | D[m]  | Max lux | Med lux | Beta=54.2°+54.2° | G=0.0<br>Máx no a G |
|------|-------|---------|---------|------------------|---------------------|
| 1.00 | 2.78  | 624     | 45      |                  |                     |
| 2.00 | 5.55  | 156     | 11      |                  |                     |
| 3.00 | 8.33  | 69      | 5       |                  |                     |
| 4.00 | 11.10 | 39      | 3       |                  |                     |
| 5.00 | 13.88 | 25      | 2       |                  |                     |

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| Flujo Luminaria      | 2833.32 lm | Potencia Luminaria | 31.64 W   | Eficacia | 89.55 lm/W    | Eficiencia     | 100.00% |
| Flujo Fuentes de luz | 2833.32 lm | Valor Máximo       | 624.24 cd | Posición | C=0.00 G=2.50 | CG Bisimétrico |         |

Flujo Total=2833.32 Flujo Luminaria=2833.32

|     |      |      |      |      |      |      |      |      |      |      |       |       |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 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 | 0.24 | 0.32 | 0.38 | 0.45 | 0.50 | 0.58 | 0.64 | 0.69 | 0.74 | 0.78 | 0.87  | 0.93  |
| RC  | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7     | 7     |

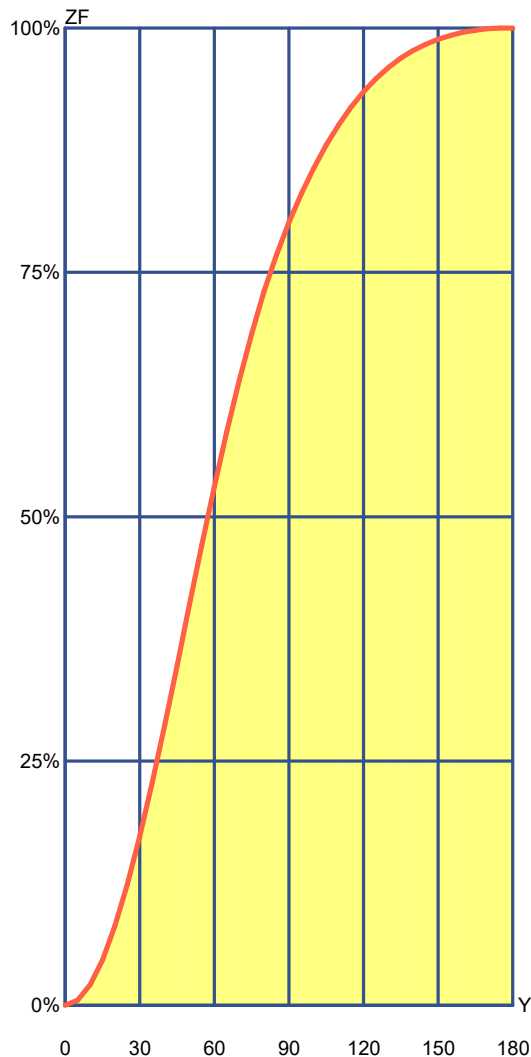
Flujo Zonal por 1000 Lúmenes

|       |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Y°    | 10 | 20 | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180  |
| ZF(Y) | 21 | 81 | 173 | 287 | 410 | 531 | 640 | 730 | 801 | 857 | 901 | 935 | 960 | 977 | 989 | 996 | 999 | 1000 |

Códigos de Flujo C.I.E.  
38 66 86 80 100

C.I.E. 7  
D DIN 5040 B21  
F UTE 0.80 H + 0.20 T  
B NBN BZ 6  
RN 19.89509 %  
BLF 1.0

LOR 100.00000 %  
ULOR 19.89509 %  
DLOR 80.10491 %  
UFF 19.89509 %  
DFF 80.10491 %  
FFR 24.83630 %



| Flujo Zonal |       |         |           |          |
|-------------|-------|---------|-----------|----------|
| Gamma °     | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0°          | 0.00  | 0.00    | 0.00%     | 0.00 %   |
| 5°          | 5.26  | 5.26    | 0.53 %    | 0.53 %   |
| 10°         | 15.61 | 20.87   | 1.56 %    | 2.09 %   |
| 15°         | 25.50 | 46.37   | 2.55 %    | 4.64 %   |
| 20°         | 34.60 | 80.96   | 3.46 %    | 8.10 %   |
| 25°         | 42.59 | 123.55  | 4.26 %    | 12.35 %  |
| 30°         | 49.49 | 173.04  | 4.95 %    | 17.30 %  |
| 35°         | 54.82 | 227.87  | 5.48 %    | 22.79 %  |
| 40°         | 58.78 | 286.64  | 5.88 %    | 28.66 %  |
| 45°         | 61.20 | 347.84  | 6.12 %    | 34.78 %  |
| 50°         | 61.93 | 409.77  | 6.19 %    | 40.98 %  |
| 55°         | 61.55 | 471.32  | 6.16 %    | 47.13 %  |
| 60°         | 59.38 | 530.70  | 5.94 %    | 53.07 %  |
| 65°         | 56.53 | 587.23  | 5.65 %    | 58.72 %  |
| 70°         | 52.56 | 639.79  | 5.26 %    | 63.98 %  |
| 75°         | 47.68 | 687.47  | 4.77 %    | 68.75 %  |
| 80°         | 42.91 | 730.39  | 4.29 %    | 73.04 %  |
| 85°         | 37.55 | 767.93  | 3.75 %    | 76.79 %  |
| 90°         | 33.12 | 801.05  | 3.31 %    | 80.10 %  |
| 95°         | 29.47 | 830.52  | 2.95 %    | 83.05 %  |
| 100°        | 26.29 | 856.82  | 2.63 %    | 85.68 %  |
| 105°        | 23.41 | 880.23  | 2.34 %    | 88.02 %  |
| 110°        | 20.63 | 900.85  | 2.06 %    | 90.09 %  |
| 115°        | 18.14 | 919.00  | 1.81 %    | 91.90 %  |
| 120°        | 15.73 | 934.72  | 1.57 %    | 93.47 %  |
| 125°        | 13.57 | 948.30  | 1.36 %    | 94.83 %  |
| 130°        | 11.48 | 959.78  | 1.15 %    | 95.98 %  |
| 135°        | 9.50  | 969.27  | 0.95 %    | 96.93 %  |
| 140°        | 7.83  | 977.10  | 0.78 %    | 97.71 %  |
| 145°        | 6.36  | 983.46  | 0.64 %    | 98.35 %  |
| 150°        | 5.14  | 988.60  | 0.51 %    | 98.86 %  |
| 155°        | 4.03  | 992.63  | 0.40 %    | 99.26 %  |
| 160°        | 3.02  | 995.65  | 0.30 %    | 99.57 %  |
| 165°        | 2.21  | 997.86  | 0.22 %    | 99.79 %  |
| 170°        | 1.41  | 999.27  | 0.14 %    | 99.93 %  |
| 175°        | 0.62  | 999.89  | 0.06 %    | 99.99 %  |
| 180°        | 0.11  | 1000.00 | 0.01 %    | 100.00 % |

**Luminaria**  
Código A704-002-16-27K  
Nombre AMBROSIA 180 BLACK 27K  
**Ensayo**  
Código CL041A21F032G  
Nombre AMBROSIA 180 BLACK 27K

|                      |            |                    |           |          |               |            |             |
|----------------------|------------|--------------------|-----------|----------|---------------|------------|-------------|
| Flujo Luminaria      | 2833.32 lm | Potencia Luminaria | 31.64 W   | Eficacia | 89.55 lm/W    | Eficiencia | 100.00%     |
| Flujo Fuentes de luz | 2833.32 lm | Valor Máximo       | 624.24 cd | Posición | C=0.00 G=2.50 | CG         | Bisimétrico |

Isolux (Suelo)

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

