

# LEDS C4<sup>®</sup>

## Luminaria

Código 15-7592-DL-DO  
Nombre VENETO

## Ensayo

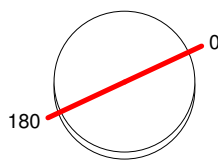
Código 15-7592-DL-DO  
Nombre VENETO

|   |           |   |                |   |               |   |               |
|---|-----------|---|----------------|---|---------------|---|---------------|
| Flujo Luminaria   | 267.83 lm | Potencia luminaria                        | 8.80 W         | Eficacia  | 30.44 lm/W    | Eficiencia                                | 100.00%       |
| Flujo de Lámpara  | 267.83 lm | Valor Máximo                              | 901.13 cd/klm  | Posición  | C=0.00 G=7.00 | CG  | Rotosimétrico |
| Luminaria Redonda<br>Área Luminosa Redonda  |           | Diam.<br>Diam.                            | 62 mm<br>44 mm | Altura<br>Altura  | 75 mm<br>0 mm |   |               |
| Área Luminosa Horizontal<br>Área Emisión sobre Pl. 0°<br>Área Emisión sobre Pl. 90° |           | 0.001521 m2<br>0.000000 m2<br>0.000000 m2 |                | Área Emisión sobre Pl. 180°<br>Área Emisión sobre Pl. 270°<br>Área de deslumbramiento a 76° |               | 0.000000 m2<br>0.000000 m2<br>0.000368 m2 |               |
| Sist. de Coordin.<br>Fecha<br>Distancia de Ensayo                                   |           | CG<br>06-11-2018<br>0.00                  |                | Tipo de Simetría<br>Máximo Ángulo Gamma<br>Flujo de Ensayo                                  |               | Rotosimétrico<br>90<br>267.83 lm          |               |
| Operador<br>Temperatura<br>Humedad<br>Notas   |           | qualitat<br>25.00 °C<br>60.00 %           |                | Tensión de alimentación [V]<br>Corriente de alimentación [A]<br>Fotocélula                  |               |   |               |

## Lámparas de la Luminaria

| Familia         | Código                     | Nombre        | Flujo [lm]          | Pot. [W]               | Cant. |
|-----------------|----------------------------|---------------|---------------------|------------------------|-------|
|                 | 15-7590-14-DO              | 15-7590-14-DO | 267.83              | 8.80                   | 1     |
| C.I.E.<br>F UTE | 73 90 98 100 100<br>1.00 B |               | D DIN 5040<br>B NBN | A60<br>BZ 1 / 1 / BZ 2 |       |

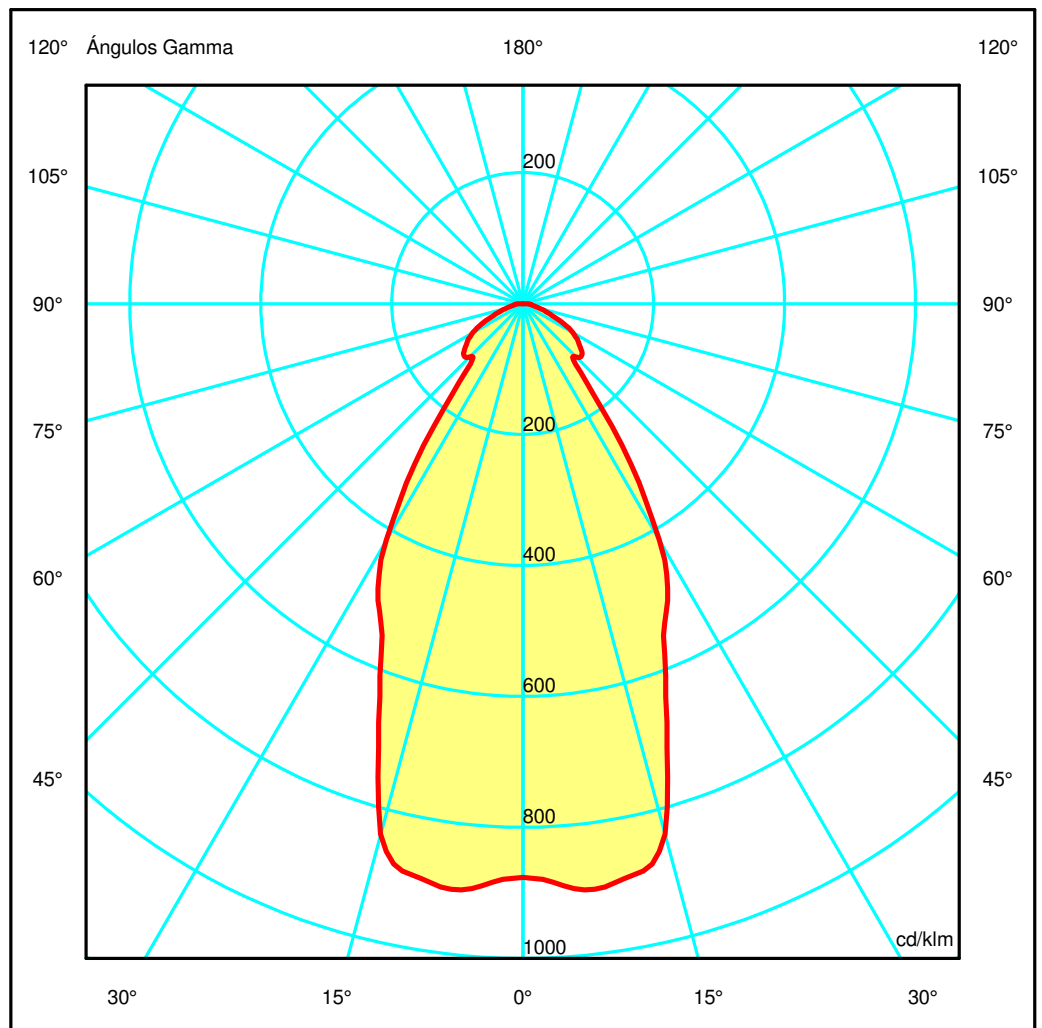
Diam=62mm



Semiplanos C

180.0 — 0.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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

|        | C 0.00 | C 0.00 |        |
|--------|--------|--------|--------|
| G 0.0  | 876.36 | G 46.0 | 118.59 |
| G 1.0  | 877.69 | G 47.0 | 119.90 |
| G 2.0  | 879.93 | G 48.0 | 120.24 |
| G 3.0  | 884.99 | G 49.0 | 119.63 |
| G 4.0  | 891.23 | G 50.0 | 118.24 |
| G 5.0  | 896.83 | G 51.0 | 115.78 |
| G 6.0  | 900.21 | G 52.0 | 112.68 |
| G 7.0  | 901.13 | G 53.0 | 109.69 |
| G 8.0  | 899.92 | G 54.0 | 106.53 |
| G 9.0  | 895.81 | G 55.0 | 104.07 |
| G 10.0 | 891.70 | G 56.0 | 101.80 |
| G 11.0 | 888.56 | G 57.0 | 98.70  |
| G 12.0 | 885.63 | G 58.0 | 95.02  |
| G 13.0 | 878.17 | G 59.0 | 91.46  |
| G 14.0 | 862.06 | G 60.0 | 87.64  |
| G 15.0 | 839.10 | G 61.0 | 83.86  |
| G 16.0 | 799.90 | G 62.0 | 79.67  |
| G 17.0 | 756.28 | G 63.0 | 74.49  |
| G 18.0 | 712.90 | G 64.0 | 69.19  |
| G 19.0 | 676.66 | G 65.0 | 63.53  |
| G 20.0 | 638.62 | G 66.0 | 57.90  |
| G 21.0 | 609.03 | G 67.0 | 52.65  |
| G 22.0 | 577.99 | G 68.0 | 48.35  |
| G 23.0 | 550.34 | G 69.0 | 44.62  |
| G 24.0 | 533.02 | G 70.0 | 40.95  |
| G 25.0 | 518.18 | G 71.0 | 37.60  |
| G 26.0 | 504.25 | G 72.0 | 34.44  |
| G 27.0 | 487.42 | G 73.0 | 31.40  |
| G 28.0 | 467.65 | G 74.0 | 28.47  |
| G 29.0 | 447.28 | G 75.0 | 25.57  |
| G 30.0 | 417.07 | G 76.0 | 22.79  |
| G 31.0 | 383.96 | G 77.0 | 20.28  |
| G 32.0 | 354.05 | G 78.0 | 18.33  |
| G 33.0 | 326.01 | G 79.0 | 16.68  |
| G 34.0 | 295.15 | G 80.0 | 15.32  |
| G 35.0 | 263.62 | G 81.0 | 14.30  |
| G 36.0 | 231.25 | G 82.0 | 13.46  |
| G 37.0 | 200.47 | G 83.0 | 12.90  |
| G 38.0 | 173.44 | G 84.0 | 12.30  |
| G 39.0 | 154.79 | G 85.0 | 11.66  |
| G 40.0 | 137.65 | G 86.0 | 11.06  |
| G 41.0 | 122.21 | G 87.0 | 10.17  |
| G 42.0 | 115.86 | G 88.0 | 9.11   |
| G 43.0 | 111.69 | G 89.0 | 8.19   |
| G 44.0 | 111.78 | G 90.0 | 7.29   |
| G 45.0 | 114.88 |        |        |

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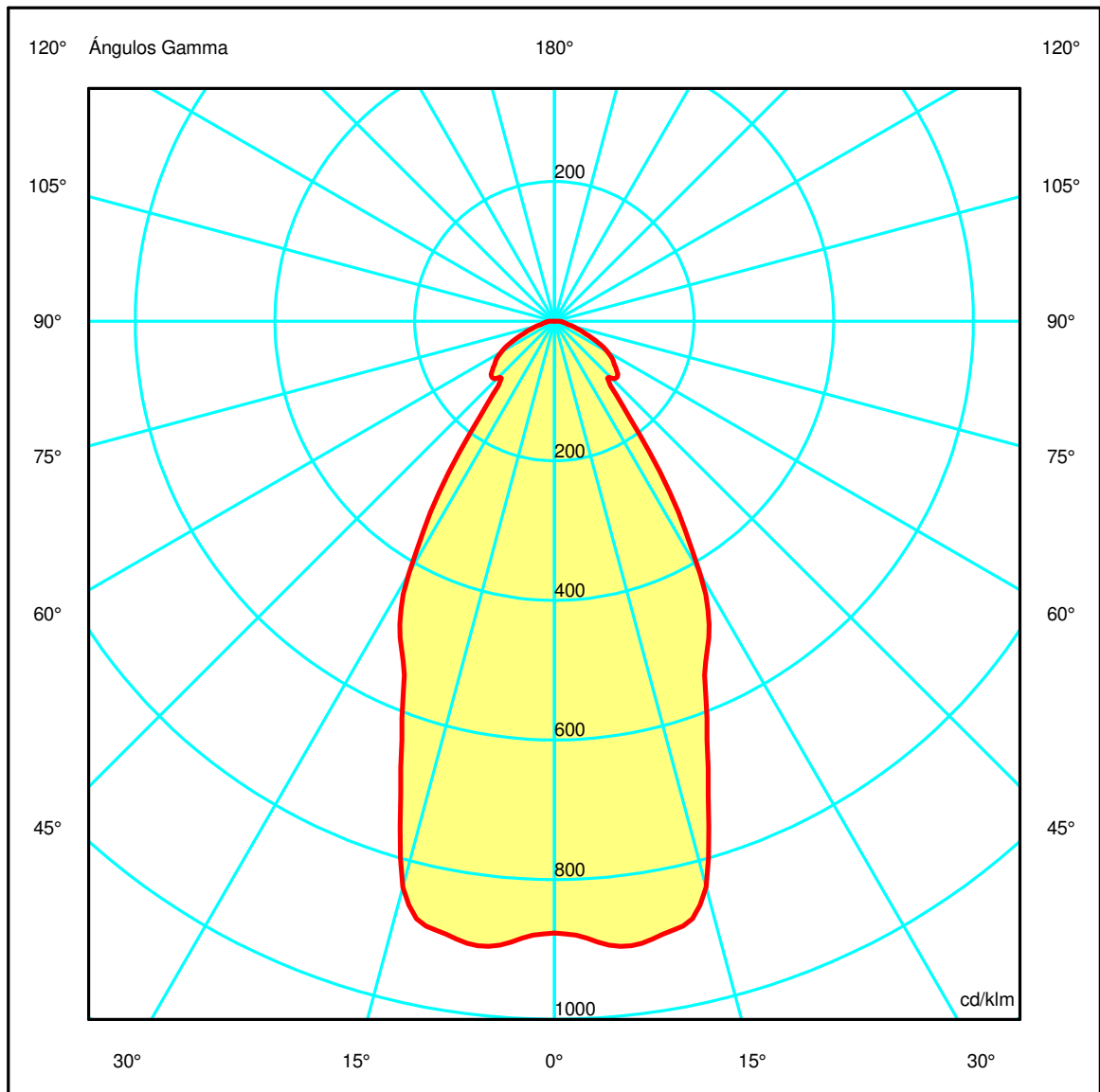
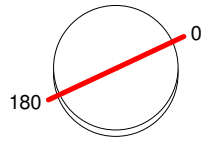
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Diam=62mm

Semiplanos C

180.0  0.0



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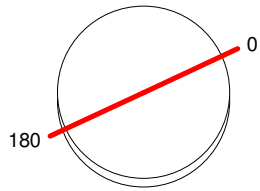
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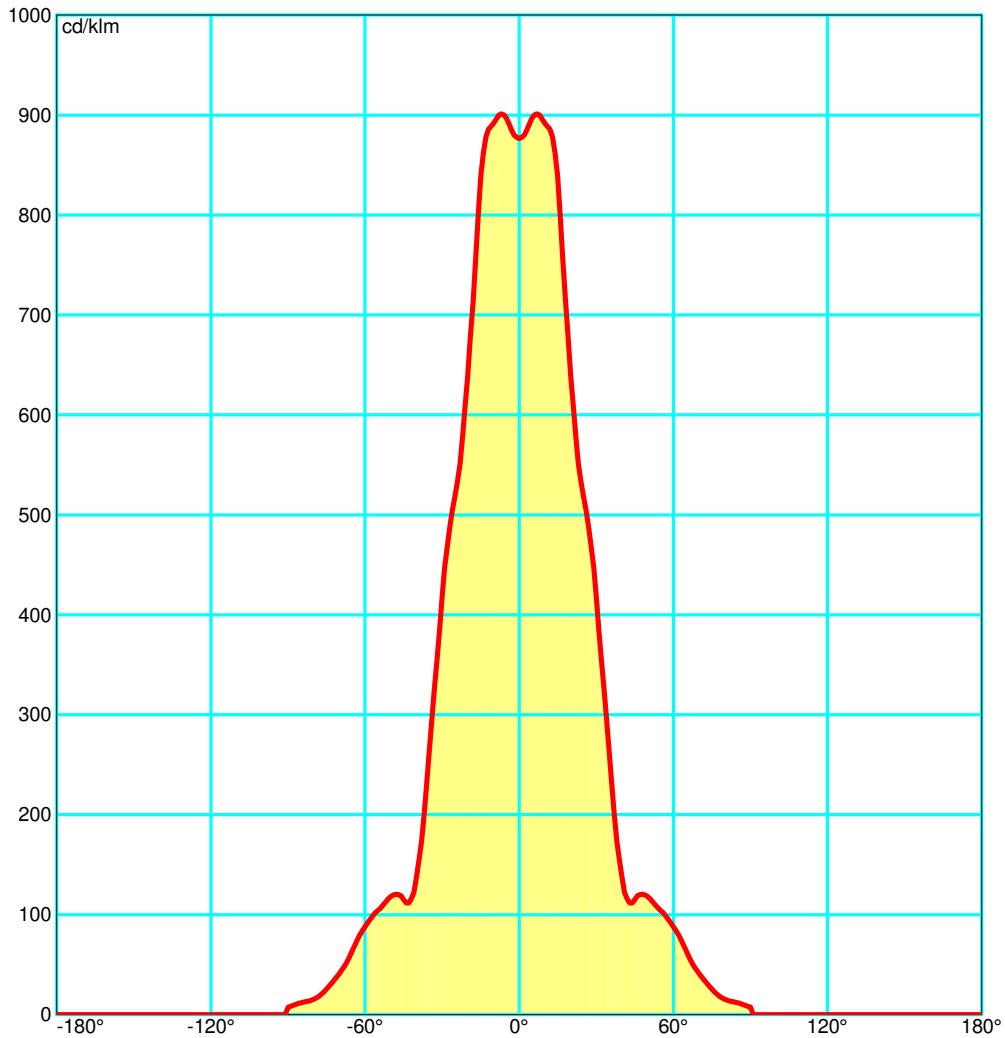
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Semiplanos C



180.0 ————— 0.0



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**UGR**  
S = 0.250

| Reflectancias  |                  |      |      |      |      |                |      |      |      |      |
|----------------|------------------|------|------|------|------|----------------|------|------|------|------|
| 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 | Viewed Crosswise |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H      | 22.8             | 23.7 | 23.0 | 23.9 | 24.2 | 22.8           | 23.7 | 23.0 | 23.9 | 24.2 |
| x=2H y=3H      | 23.8             | 24.7 | 24.1 | 25.0 | 25.2 | 23.8           | 24.7 | 24.1 | 25.0 | 25.2 |
| x=2H y=4H      | 24.2             | 25.0 | 24.5 | 25.3 | 25.6 | 24.2           | 25.0 | 24.5 | 25.3 | 25.6 |
| x=2H y=6H      | 24.4             | 25.2 | 24.7 | 25.5 | 25.8 | 24.4           | 25.2 | 24.7 | 25.5 | 25.8 |
| x=2H y=8H      | 24.5             | 25.3 | 24.9 | 25.6 | 25.9 | 24.5           | 25.3 | 24.9 | 25.6 | 25.9 |
| x=2H y=12H     | 24.7             | 25.4 | 25.0 | 25.7 | 26.0 | 24.7           | 25.4 | 25.0 | 25.7 | 26.0 |
| x=4H y=2H      | 23.4             | 24.2 | 23.7 | 24.5 | 24.8 | 23.4           | 24.2 | 23.7 | 24.5 | 24.8 |
| x=4H y=3H      | 24.6             | 25.3 | 24.9 | 25.6 | 25.9 | 24.6           | 25.3 | 24.9 | 25.6 | 25.9 |
| x=4H y=4H      | 25.0             | 25.6 | 25.4 | 26.0 | 26.3 | 25.0           | 25.6 | 25.4 | 26.0 | 26.3 |
| x=4H y=6H      | 25.3             | 25.9 | 25.8 | 26.3 | 26.6 | 25.3           | 25.9 | 25.8 | 26.3 | 26.6 |
| x=4H y=8H      | 25.5             | 26.0 | 25.9 | 26.4 | 26.8 | 25.5           | 26.0 | 25.9 | 26.4 | 26.8 |
| x=4H y=12H     | 25.8             | 26.2 | 26.2 | 26.6 | 27.0 | 25.8           | 26.2 | 26.2 | 26.6 | 27.0 |
| x=8H y=4H      | 25.2             | 25.7 | 25.6 | 26.1 | 26.5 | 25.2           | 25.7 | 25.6 | 26.1 | 26.5 |
| x=8H y=6H      | 25.6             | 26.0 | 26.1 | 26.4 | 26.9 | 25.6           | 26.0 | 26.1 | 26.4 | 26.9 |
| x=8H y=8H      | 25.9             | 26.2 | 26.4 | 26.7 | 27.2 | 25.9           | 26.2 | 26.4 | 26.7 | 27.2 |
| x=8H y=12H     | 26.3             | 26.5 | 26.7 | 27.0 | 27.5 | 26.3           | 26.5 | 26.7 | 27.0 | 27.5 |
| x=12H y=4H     | 25.2             | 25.6 | 25.6 | 26.0 | 26.5 | 25.2           | 25.6 | 25.6 | 26.0 | 26.5 |
| x=12H y=6H     | 25.7             | 26.0 | 26.2 | 26.5 | 26.9 | 25.7           | 26.0 | 26.2 | 26.5 | 26.9 |
| x=12H y=8H     | 26.0             | 26.3 | 26.5 | 26.7 | 27.2 | 26.0           | 26.3 | 26.5 | 26.7 | 27.2 |

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Flujo Total=267.83 Flujo Luminaria=267.83

|     |      |      |      |      |      |      |      |      |      |      |       |       |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 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 | 0.52 | 0.58 | 0.64 | 0.70 | 0.74 | 0.80 | 0.85 | 0.88 | 0.91 | 0.93 | 0.97  | 0.99  |
| RC  | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2    | 1    | 1    | 1     | -     |

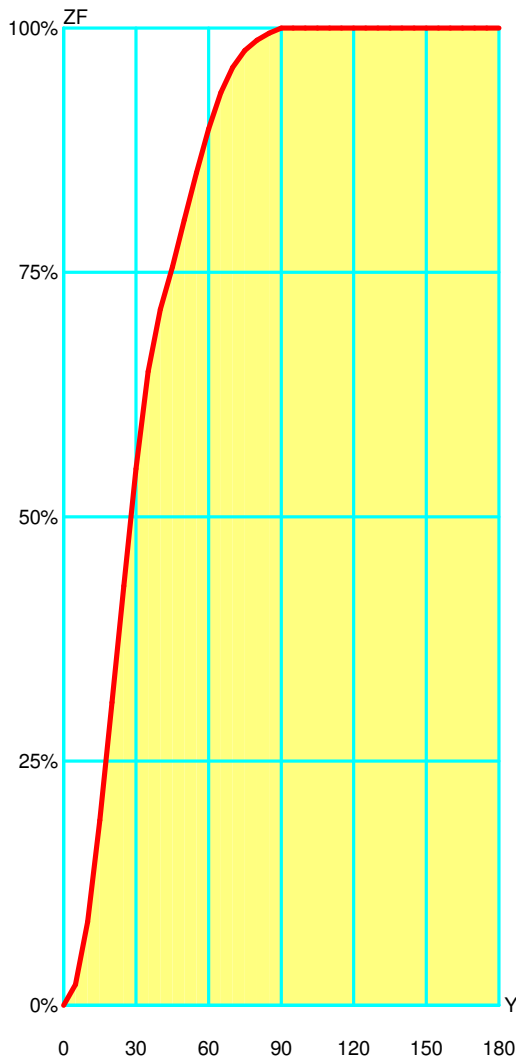
Flujo Zonal por 1000 Lúmenes

|       |    |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|-------|----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| Y°    | 10 | 20  | 30  | 40  | 50  | 60  | 70  | 80  | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
| ZF(Y) | 85 | 310 | 549 | 712 | 804 | 897 | 960 | 988 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

Códigos de Flujo C.I.E.

73 90 98 100 100

|            |                       |      |             |
|------------|-----------------------|------|-------------|
| C.I.E.     | 1/1/2/2/2/2/2/1/1/1/- | LOR  | 100.00000 % |
| D DIN 5040 | A60                   | ULOR | 0.00000 %   |
| F UTE      | 1.00 B                | DLOR | 100.00000 % |
| B NBN      | BZ 1 / 1 / BZ 2       | UFF  | 0.00000 %   |
| RN         | 0.00000 %             | DFF  | 100.00000 % |
| BLF        | 1.0                   | FFR  | 0.00000 %   |



| Gamma ° | Flujo Zonal |         |           |          |
|---------|-------------|---------|-----------|----------|
|         | Flujo       | Suma lm | Flujo [%] | Suma [%] |
| 0°      | 0.00        | 0.00    | 0.00%     | 0.00 %   |
| 5°      | 21.22       | 21.22   | 2.12 %    | 2.12 %   |
| 10°     | 64.24       | 85.47   | 6.42 %    | 8.55 %   |
| 15°     | 103.74      | 189.21  | 10.37 %   | 18.92 %  |
| 20°     | 120.72      | 309.93  | 12.07 %   | 30.99 %  |
| 25°     | 119.07      | 429.01  | 11.91 %   | 42.90 %  |
| 30°     | 119.85      | 548.86  | 11.99 %   | 54.89 %  |
| 35°     | 99.62       | 648.48  | 9.96 %    | 64.85 %  |
| 40°     | 63.72       | 712.20  | 6.37 %    | 71.22 %  |
| 45°     | 43.48       | 755.68  | 4.35 %    | 75.57 %  |
| 50°     | 48.09       | 803.77  | 4.81 %    | 80.38 %  |
| 55°     | 48.31       | 852.08  | 4.83 %    | 85.21 %  |
| 60°     | 44.61       | 896.68  | 4.46 %    | 89.67 %  |
| 65°     | 37.18       | 933.86  | 3.72 %    | 93.39 %  |
| 70°     | 25.87       | 959.74  | 2.59 %    | 95.97 %  |
| 75°     | 17.25       | 976.99  | 1.73 %    | 97.70 %  |
| 80°     | 10.54       | 987.52  | 1.05 %    | 98.75 %  |
| 85°     | 7.22        | 994.74  | 0.72 %    | 99.47 %  |
| 90°     | 5.26        | 1000.00 | 0.53 %    | 100.00 % |
| 95°     | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 100°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 105°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 110°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 115°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 120°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 125°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 130°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 135°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 140°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 145°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 150°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 155°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 160°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 165°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 170°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 175°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |
| 180°    | 0.00        | 1000.00 | 0.00 %    | 100.00 % |

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## 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    | 189     | 170  | 131           | 118  | 162          | 113  | 103           | 87   | 69   | 59   | 39   | 29   | 17           | 12   | 55   | 31   | 28   | 14   | 11   | 26   | 12   | 10   | 0    |
| 0.80    | 223     | 204  | 141           | 130  | 194          | 124  | 132           | 115  | 80   | 70   | 48   | 38   | 24           | 18   | 66   | 40   | 36   | 20   | 17   | 34   | 18   | 16   | 0    |
| 1.00    | 246     | 229  | 142           | 133  | 217          | 127  | 155           | 138  | 86   | 77   | 55   | 45   | 31           | 24   | 72   | 47   | 43   | 27   | 23   | 41   | 23   | 21   | 0    |
| 1.25    | 267     | 252  | 141           | 134  | 239          | 129  | 180           | 163  | 91   | 83   | 61   | 52   | 38           | 30   | 78   | 53   | 50   | 33   | 29   | 47   | 30   | 27   | 0    |
| 1.50    | 283     | 269  | 140           | 133  | 256          | 128  | 199           | 183  | 94   | 87   | 66   | 58   | 44           | 36   | 82   | 59   | 55   | 39   | 35   | 53   | 35   | 32   | 0    |
| 2.00    | 304     | 292  | 133           | 128  | 278          | 124  | 229           | 214  | 96   | 91   | 73   | 66   | 54           | 46   | 86   | 66   | 63   | 49   | 45   | 60   | 45   | 41   | 0    |
| 2.50    | 317     | 307  | 127           | 124  | 293          | 120  | 250           | 237  | 98   | 93   | 78   | 72   | 61           | 54   | 89   | 71   | 69   | 56   | 52   | 66   | 52   | 49   | 0    |
| 3.00    | 327     | 318  | 123           | 120  | 304          | 117  | 266           | 254  | 98   | 94   | 82   | 76   | 67           | 60   | 90   | 75   | 73   | 62   | 58   | 70   | 58   | 55   | 0    |
| 4.00    | 341     | 334  | 119           | 117  | 320          | 114  | 289           | 279  | 100  | 97   | 87   | 82   | 75           | 69   | 93   | 81   | 79   | 71   | 67   | 76   | 67   | 63   | 0    |
| 5.00    | 350     | 344  | 117           | 115  | 330          | 112  | 304           | 295  | 101  | 98   | 90   | 86   | 80           | 75   | 95   | 85   | 83   | 76   | 73   | 81   | 72   | 69   | 0    |
| 10.00   | 370     | 367  | 111           | 110  | 352          | 108  | 339           | 333  | 103  | 102  | 98   | 96   | 93           | 90   | 99   | 94   | 93   | 89   | 88   | 90   | 86   | 83   | 0    |
| 20.00   | 381     | 379  | 108           | 107  | 364          | 106  | 358           | 355  | 104  | 103  | 102  | 101  | 100          | 98   | 101  | 99   | 98   | 97   | 96   | 96   | 94   | 92   | 0    |
| 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    | 373     | 363  | 300           | 293  | 358          | 290  | 282           | 275  | 234  | 230  | 196  | 192  | 169          | 167  | 227  | 193  | 192  | 168  | 167  | 191  | 167  | 166  | 145  |
| 0.80    | 419     | 407  | 324           | 318  | 399          | 313  | 325           | 316  | 261  | 257  | 224  | 220  | 196          | 194  | 253  | 220  | 218  | 194  | 193  | 217  | 193  | 192  | 167  |
| 1.00    | 445     | 433  | 332           | 327  | 423          | 321  | 353           | 343  | 275  | 270  | 240  | 235  | 213          | 209  | 265  | 235  | 233  | 210  | 208  | 231  | 208  | 207  | 178  |
| 1.25    | 469     | 458  | 339           | 334  | 445          | 328  | 380           | 369  | 287  | 282  | 255  | 249  | 229          | 225  | 277  | 248  | 246  | 225  | 223  | 244  | 223  | 221  | 189  |
| 1.50    | 486     | 476  | 342           | 338  | 461          | 332  | 400           | 390  | 295  | 290  | 265  | 260  | 241          | 236  | 284  | 258  | 256  | 237  | 234  | 253  | 233  | 230  | 197  |
| 2.00    | 498     | 488  | 332           | 329  | 471          | 323  | 419           | 409  | 293  | 289  | 269  | 264  | 248          | 243  | 282  | 261  | 259  | 242  | 240  | 254  | 238  | 234  | 197  |
| 2.50    | 501     | 493  | 320           | 318  | 473          | 312  | 429           | 419  | 287  | 284  | 267  | 262  | 249          | 244  | 276  | 258  | 256  | 243  | 240  | 251  | 237  | 233  | 192  |
| 3.00    | 499     | 492  | 307           | 305  | 470          | 299  | 432           | 422  | 279  | 276  | 261  | 257  | 246          | 241  | 267  | 252  | 251  | 239  | 236  | 245  | 233  | 227  | 185  |
| 4.00    | 503     | 497  | 297           | 295  | 473          | 289  | 442           | 434  | 274  | 271  | 260  | 256  | 247          | 243  | 262  | 250  | 249  | 239  | 237  | 242  | 232  | 226  | 181  |
| 5.00    | 504     | 499  | 289           | 288  | 474          | 281  | 447           | 440  | 269  | 267  | 257  | 254  | 247          | 243  | 257  | 247  | 246  | 238  | 236  | 238  | 230  | 223  | 177  |
| 10.00   | 485     | 482  | 250           | 249  | 454          | 243  | 439           | 435  | 237  | 236  | 231  | 229  | 225          | 223  | 225  | 220  | 219  | 215  | 213  | 210  | 205  | 197  | 146  |
| 20.00   | 426     | 425  | 180           | 180  | 395          | 174  | 388           | 385  | 171  | 171  | 169  | 168  | 167          | 165  | 159  | 157  | 157  | 155  | 154  | 146  | 145  | 135  | 82   |
| 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    | 751     | 740  | 701           | 693  | 733          | 689  | 641           | 634  | 617  | 612  | 568  | 564  | 533          | 531  | 609  | 565  | 563  | 532  | 531  | 562  | 531  | 530  | 517  |
| 0.80    | 837     | 824  | 771           | 763  | 813          | 757  | 721           | 712  | 688  | 683  | 639  | 634  | 602          | 599  | 678  | 633  | 631  | 599  | 598  | 629  | 598  | 596  | 583  |
| 1.00    | 907     | 894  | 827           | 820  | 880          | 812  | 792           | 780  | 749  | 743  | 701  | 695  | 665          | 661  | 736  | 694  | 692  | 661  | 659  | 689  | 659  | 656  | 643  |
| 1.25    | 970     | 956  | 874           | 868  | 939          | 859  | 856           | 843  | 802  | 796  | 757  | 751  | 722          | 717  | 787  | 749  | 746  | 717  | 714  | 742  | 713  | 710  | 697  |
| 1.50    | 1000    | 1000 | 907           | 902  | 982          | 892  | 905           | 892  | 841  | 835  | 799  | 792  | 766          | 760  | 825  | 789  | 786  | 759  | 756  | 781  | 754  | 750  | 738  |
| 2.00    | 1000    | 1000 | 956           | 952  | 1000         | 942  | 982           | 968  | 900  | 895  | 866  | 859  | 836          | 830  | 883  | 853  | 850  | 828  | 824  | 843  | 821  | 815  | 803  |
| 2.50    | 1000    | 1000 | 986           | 982  | 1000         | 972  | 1000          | 1000 | 938  | 933  | 909  | 902  | 883          | 876  | 920  | 895  | 892  | 873  | 869  | 883  | 864  | 857  | 846  |
| 3.00    | 1000    | 1000 | 1000          | 1000 | 1000         | 993  | 1000          | 1000 | 964  | 960  | 939  | 933  | 918          | 910  | 945  | 924  | 922  | 906  | 902  | 912  | 896  | 887  | 877  |
| 4.00    | 1000    | 1000 | 1000          | 1000 | 1000         | 1000 | 1000          | 1000 | 994  | 990  | 974  | 968  | 956          | 949  | 974  | 957  | 955  | 942  | 939  | 943  | 930  | 919  | 910  |
| 5.00    | 1000    | 1000 | 1000          | 1000 | 1000         | 1000 | 1000          | 1000 | 1000 | 1000 | 995  | 990  | 980          | 974  | 991  | 977  | 975  | 965  | 962  | 962  | 951  | 939  | 929  |
| 10.00   | 1000    | 1000 | 1000          | 1000 | 1000         | 1000 | 1000          | 1000 | 1000 | 1000 | 1000 | 1000 | 1000         | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 996  | 980  | 971  |
| 20.00   | 1000    | 1000 | 1000          | 1000 | 1000         | 1000 | 1000          | 1000 | 1000 | 1000 | 1000 | 1000 | 1000         | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 992  |

LM53 SHR C0-C180: 0.828    SHR C90-C270: 0.828    SHR Superficial: 0.885

# LEDS C4<sup>+</sup>

## Luminaria

Código 15-7592-DL-DO  
Nombre VENETO

## Ensayo

Código 15-7592-DL-DO  
Nombre VENETO

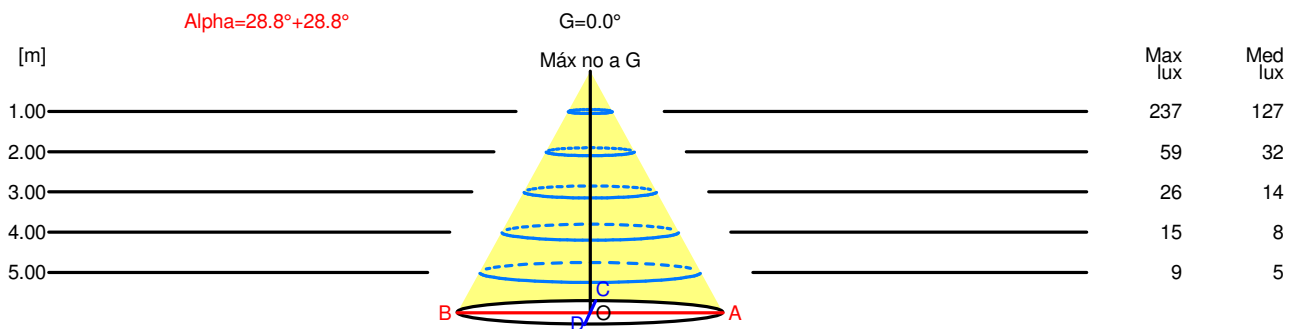
|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

### 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   | 0.55 | 1.10 | 1.65 | 2.20 | 2.75 | OC   | 0.55 | 1.10 | 1.65 | 2.20 | 2.75 |
| OB   | 0.55 | 1.10 | 1.65 | 2.20 | 2.75 | OD   | 0.55 | 1.10 | 1.65 | 2.20 | 2.75 |

### Intensidades Luminosas [ cd/klm]

|    |        |        |        |        |       |       |       |       |      |      |
|----|--------|--------|--------|--------|-------|-------|-------|-------|------|------|
|    | 0      | 5      | 15     | 25     | 35    | 45    | 55    | 65    | 75   | 85   |
| OA | 234.71 | 240.20 | 224.74 | 138.78 | 70.61 | 30.77 | 27.87 | 17.01 | 6.85 | 3.12 |
| OB | 234.71 | 240.20 | 224.74 | 138.78 | 70.61 | 30.77 | 27.87 | 17.01 | 6.85 | 3.12 |
| OC | 234.71 | 240.20 | 224.74 | 138.78 | 70.61 | 30.77 | 27.87 | 17.01 | 6.85 | 3.12 |
| OD | 234.71 | 240.20 | 224.74 | 138.78 | 70.61 | 30.77 | 27.87 | 17.01 | 6.85 | 3.12 |



| H[m] | D[m] | Max lux | Med lux | Alpha=28.8°+28.8° | G=0.0<br>Máx no a G |
|------|------|---------|---------|-------------------|---------------------|
| 1.00 | 1.10 | 237     | 127     |                   |                     |
| 2.00 | 2.20 | 59      | 32      |                   |                     |
| 3.00 | 3.30 | 26      | 14      |                   |                     |
| 4.00 | 4.41 | 15      | 8       |                   |                     |
| 5.00 | 5.51 | 9       | 5       |                   |                     |



# LEDS C4<sup>®</sup>

## Luminaria

Código 15-7592-DL-DO  
Nombre VENETO

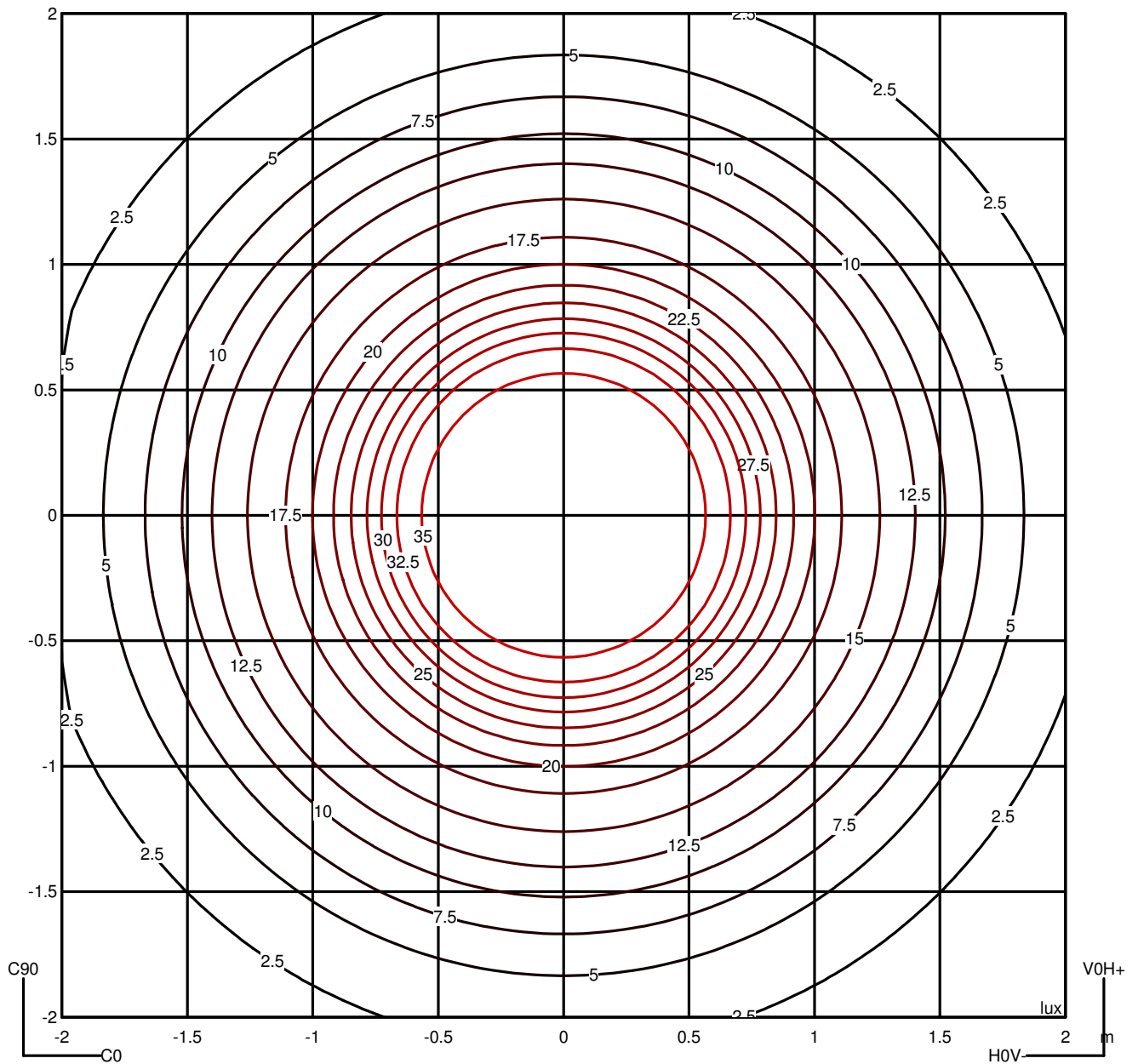
## Ensayo

Código 15-7592-DL-DO  
Nombre VENETO

|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

Isolux (Suelo)

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



# LEDS C4<sup>®</sup>

**Luminaria**

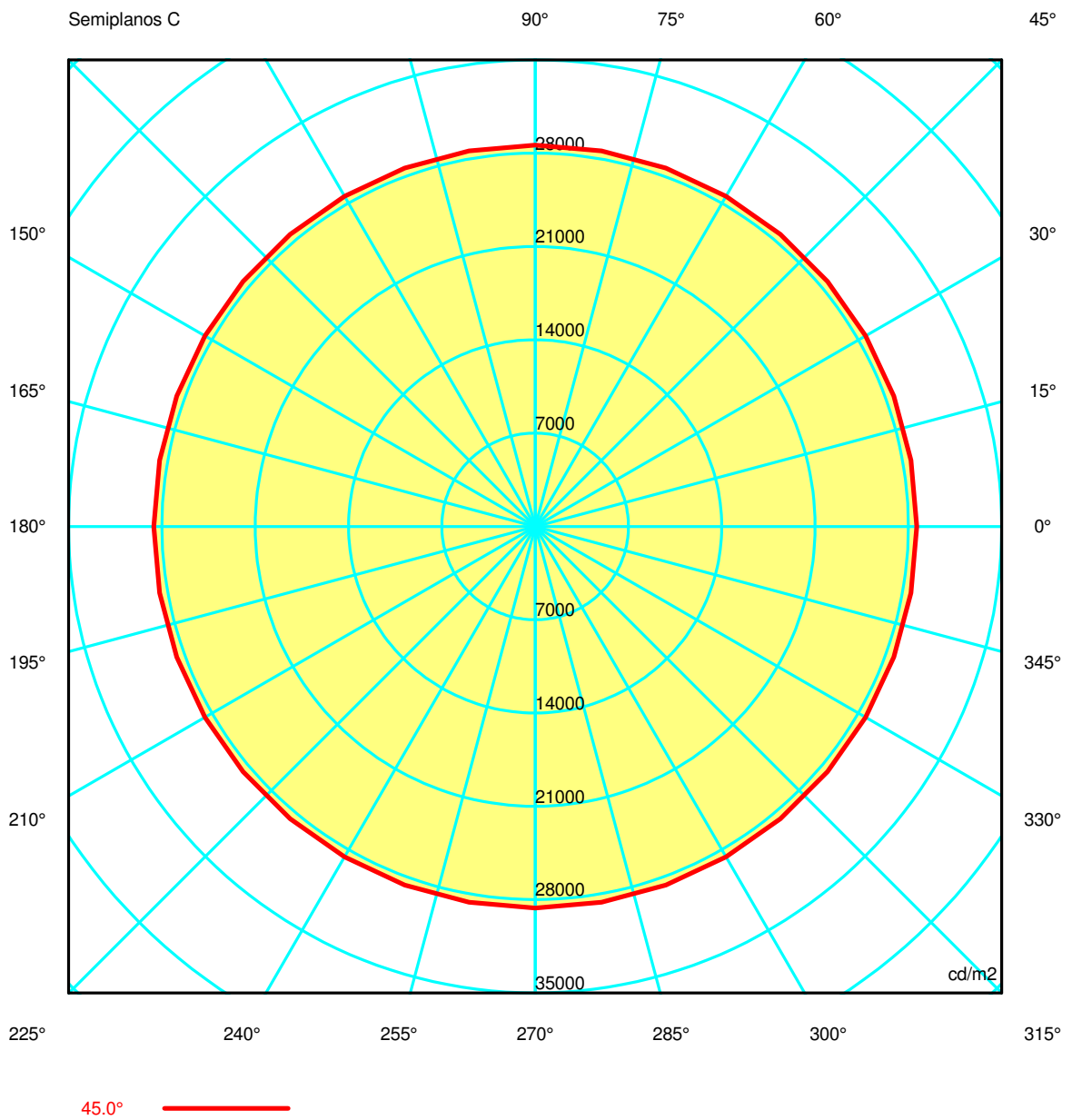
Código 15-7592-DL-DO  
Nombre VENETO

**Ensayo**

Código 15-7592-DL-DO  
Nombre VENETO

|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

Luminancia



**Luminaria**

Código 15-7592-DL-DO  
Nombre VENETO

**Ensayo**

Código 15-7592-DL-DO  
Nombre VENETO

|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

**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  | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 |
| G 5.0  | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 |
| G 10.0 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 |
| G 15.0 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 |
| G 20.0 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 |
| G 25.0 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 |
| G 30.0 | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  |
| G 35.0 | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  |
| G 40.0 | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  |
| G 45.0 | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  |
| G 50.0 | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  |
| G 55.0 | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  |
| G 60.0 | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  |
| G 65.0 | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  |
| G 70.0 | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  |
| G 75.0 | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  |
| G 80.0 | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  |
| G 85.0 | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

**Luminaria**

Código 15-7592-DL-DO  
Nombre VENETO

**Ensayo**

Código 15-7592-DL-DO  
Nombre VENETO

|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

**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  | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 |
| G 5.0  | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 |
| G 10.0 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 |
| G 15.0 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 |
| G 20.0 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 |
| G 25.0 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 |
| G 30.0 | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  |
| G 35.0 | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  |
| G 40.0 | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  |
| G 45.0 | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  |
| G 50.0 | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  |
| G 55.0 | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  |
| G 60.0 | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  |
| G 65.0 | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  |
| G 70.0 | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  |
| G 75.0 | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  |
| G 80.0 | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  |
| G 85.0 | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

**Luminaria**

Código 15-7592-DL-DO  
Nombre VENETO

**Ensayo**

Código 15-7592-DL-DO  
Nombre VENETO

|                  |           |                    |               |          |               |            |               |
|------------------|-----------|--------------------|---------------|----------|---------------|------------|---------------|
| Flujo Luminaria  | 267.83 lm | Potencia luminaria | 8.80 W        | Eficacia | 30.44 lm/W    | Eficiencia | 100.00%       |
| Flujo de Lámpara | 267.83 lm | Valor Máximo       | 901.13 cd/klm | Posición | C=0.00 G=7.00 | CG         | Rotosimétrico |

**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  | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 | 154363.32 |
| G 5.0  | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 | 158572.48 |
| G 10.0 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 | 159489.19 |
| G 15.0 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 | 153015.15 |
| G 20.0 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 | 119706.78 |
| G 25.0 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 | 100709.75 |
| G 30.0 | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  | 84828.06  |
| G 35.0 | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  | 56686.79  |
| G 40.0 | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  | 31651.06  |
| G 45.0 | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  | 28618.12  |
| G 50.0 | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  | 32400.53  |
| G 55.0 | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  | 31959.64  |
| G 60.0 | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  | 30874.70  |
| G 65.0 | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  | 26476.49  |
| G 70.0 | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  | 21087.19  |
| G 75.0 | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  | 17400.81  |
| G 80.0 | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  | 15538.22  |
| G 85.0 | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  | 23567.43  |
| G 90.0 | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |