

Luminaire

Code 6474
Name Colgante Redondo Corto 90cm

Measurem.

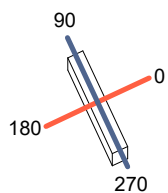
Code CL252A21F004GE1
Name Colgante Redondo Corto 90cm

| | | | | | | | |
|----------------------------|------------|-----------------|-----------|-----------------------------|---------------|--------------------|--------------------|
| Luminaire Flux | 1034.74 lm | Luminaire Power | 24.66 W | Efficacy | 41.96 lm/W | Efficiency | 100.00% |
| Sources Flux | 1034.74 lm | Maximum value | 171.64 cd | Position | C=0.00 G=0.00 | CG | Double Symmetrical |
| Rectangular Luminaire | | Length | 940 mm | Width | 150 mm | Height | 180 mm |
| Rectangular Luminous Area | | Length | 895 mm | Width | 150 mm | Height | 150 mm |
| Horizontal Luminous Area | | 0.134250 m2 | | Emitting area on Plane 180° | | 0.134250 m2 | |
| Emitting area on Plane 0° | | 0.134250 m2 | | Emitting area on Plane 270° | | 0.022500 m2 | |
| Emitting area on Plane 90° | | 0.022500 m2 | | Glare area at 76° | | 0.162740 m2 | |
| Coordinate system | | CG | | Symmetry Type | | Double Symmetrical | |
| Date | | 29-01-2021 | | Maximum Gamma Angle | | 180 | |
| Measurement Distance | | 6.44 | | Measurement Flux | | 1034.74 lm | |
| Operator | | ASSELUM | | Rated Voltage | | 230.27 V | |
| Temperature | | 25.40 °C | | Rated Current | | 0.11 A | |
| Humidity | | 38.30 % | | Photocell | | Prc | |
| Notes | | | | | | | |

Luminaire Sources

| Line | Code | Name | Flux [lm] | Pow. [W] | Q.ty |
|--------|-----------------------|-----------------------|-----------|----------|------|
| | LED STRIP 24,7W 750mA | LED STRIP 24,7W 750mA | 1034.74 | 24.66 | 1 |
| C.I.E. | 34 62 84 69 100 | D DIN 5040 | B21 | | |
| F UTE | 0.69 H + 0.31 T | B NBN | BZ 6 | | |

940mm x 150mm



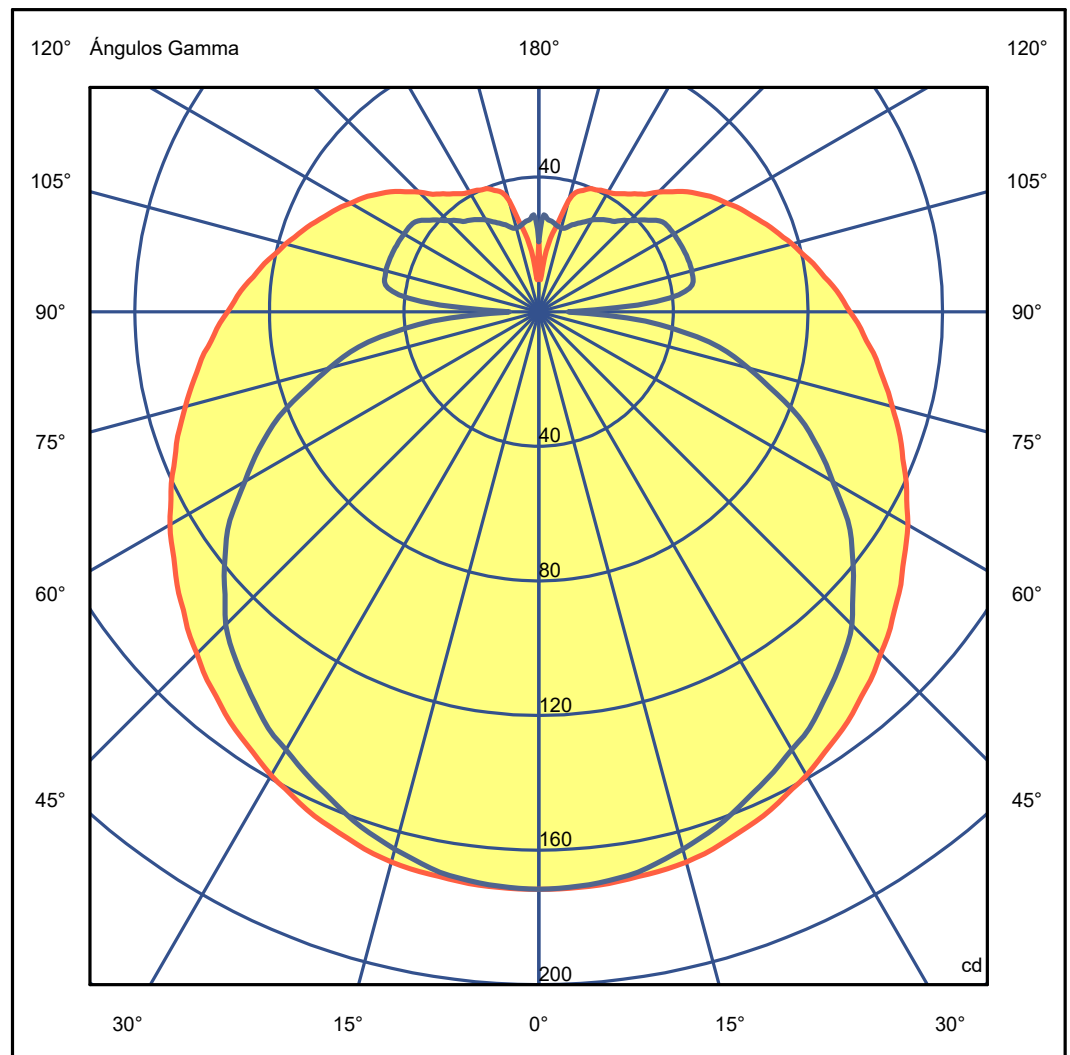
Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 30.80 %

DLOR 69.20 %

RN 30.80 %



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| Luminous Intensity Table cd Table 1/1 | | | | | | | |
| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
| G 0.0 | 171.64 | 171.64 | 171.64 | 171.64 | 171.64 | 171.64 | 171.64 |
| G 2.5 | 171.60 | 171.60 | 171.57 | 171.51 | 171.44 | 171.38 | 171.35 |
| G 5.0 | 171.39 | 171.34 | 171.22 | 171.08 | 170.96 | 170.88 | 170.89 |
| G 7.5 | 171.03 | 170.94 | 170.72 | 170.47 | 170.26 | 170.12 | 170.11 |
| G 10.0 | 170.41 | 170.20 | 169.89 | 169.63 | 169.33 | 169.13 | 169.11 |
| G 12.5 | 169.98 | 169.60 | 169.00 | 168.42 | 167.82 | 167.41 | 167.25 |
| G 15.0 | 169.26 | 168.77 | 167.97 | 167.17 | 166.26 | 165.59 | 165.33 |
| G 17.5 | 168.09 | 167.55 | 166.63 | 165.67 | 164.51 | 163.60 | 163.24 |
| G 20.0 | 166.45 | 165.86 | 164.91 | 163.87 | 162.53 | 161.44 | 160.99 |
| G 22.5 | 164.89 | 164.26 | 163.21 | 161.95 | 160.23 | 158.77 | 158.15 |
| G 25.0 | 163.21 | 162.24 | 160.77 | 159.19 | 157.43 | 156.07 | 155.52 |
| G 27.5 | 160.96 | 159.88 | 158.14 | 156.36 | 154.64 | 153.43 | 152.97 |
| G 30.0 | 159.05 | 157.87 | 155.86 | 153.67 | 151.88 | 150.70 | 150.28 |
| G 32.5 | 156.51 | 154.98 | 152.71 | 150.52 | 149.06 | 148.31 | 148.10 |
| G 35.0 | 154.30 | 152.36 | 149.62 | 147.11 | 145.64 | 145.06 | 144.95 |
| G 37.5 | 151.98 | 149.89 | 146.93 | 144.19 | 142.52 | 141.79 | 141.63 |
| G 40.0 | 149.18 | 147.00 | 143.79 | 140.86 | 139.19 | 138.58 | 138.49 |
| G 42.5 | 146.75 | 144.35 | 140.87 | 137.71 | 135.95 | 135.31 | 135.23 |
| G 45.0 | 143.70 | 141.24 | 137.77 | 134.55 | 132.59 | 131.74 | 131.55 |
| G 47.5 | 141.12 | 138.40 | 134.51 | 130.77 | 128.21 | 126.85 | 126.45 |
| G 50.0 | 137.90 | 135.21 | 131.21 | 127.20 | 124.28 | 122.59 | 122.04 |
| G 52.5 | 135.28 | 132.44 | 128.14 | 123.70 | 120.26 | 118.11 | 117.37 |
| G 55.0 | 132.04 | 128.91 | 124.36 | 119.71 | 116.04 | 113.72 | 112.91 |
| G 57.5 | 129.32 | 126.17 | 121.43 | 116.22 | 111.56 | 108.24 | 106.98 |
| G 60.0 | 126.59 | 123.15 | 117.93 | 112.03 | 106.52 | 102.45 | 100.86 |
| G 62.5 | 123.30 | 119.86 | 114.42 | 108.10 | 102.04 | 97.47 | 95.67 |
| G 65.0 | 120.52 | 117.00 | 111.31 | 104.48 | 97.63 | 92.31 | 90.17 |
| G 67.5 | 117.24 | 113.54 | 107.71 | 100.54 | 93.06 | 87.07 | 84.63 |
| G 70.0 | 114.59 | 110.65 | 104.32 | 96.31 | 87.65 | 80.59 | 77.67 |
| G 72.5 | 111.67 | 107.95 | 101.59 | 92.93 | 82.84 | 74.24 | 70.61 |
| G 75.0 | 108.71 | 105.03 | 98.45 | 89.20 | 78.11 | 68.55 | 64.47 |
| G 77.5 | 106.01 | 102.29 | 95.58 | 85.80 | 73.67 | 63.02 | 58.45 |
| G 80.0 | 103.18 | 99.74 | 93.15 | 82.81 | 69.15 | 56.80 | 51.42 |
| G 82.5 | 100.72 | 97.54 | 90.84 | 79.34 | 63.18 | 48.18 | 41.58 |
| G 85.0 | 97.67 | 95.33 | 89.06 | 76.66 | 57.83 | 39.82 | 31.78 |
| G 87.5 | 95.34 | 92.42 | 86.25 | 74.29 | 50.83 | 27.65 | 17.17 |
| G 90.0 | 92.48 | 90.16 | 84.48 | 71.90 | 46.23 | 20.50 | 8.78 |
| G 92.5 | 90.14 | 88.29 | 82.49 | 69.66 | 48.98 | 28.80 | 19.71 |
| G 95.0 | 87.79 | 84.36 | 77.89 | 67.49 | 53.44 | 40.60 | 34.99 |
| G 97.5 | 85.00 | 81.00 | 74.42 | 65.58 | 55.32 | 46.62 | 42.94 |
| G100.0 | 82.79 | 78.51 | 71.97 | 64.01 | 55.68 | 49.01 | 46.29 |
| G102.5 | 80.09 | 75.84 | 69.66 | 62.38 | 55.01 | 49.22 | 46.88 |
| G105.0 | 77.92 | 73.68 | 67.64 | 60.78 | 54.13 | 49.07 | 47.06 |
| G107.5 | 75.46 | 71.43 | 65.75 | 59.39 | 53.36 | 48.85 | 47.07 |
| G110.0 | 73.33 | 69.44 | 64.02 | 58.06 | 52.57 | 48.54 | 46.97 |
| G112.5 | 71.00 | 67.25 | 62.19 | 56.74 | 51.80 | 48.22 | 46.85 |
| G115.0 | 68.84 | 65.30 | 60.62 | 55.63 | 51.14 | 47.90 | 46.65 |
| G117.5 | 66.91 | 63.38 | 58.85 | 54.19 | 50.23 | 47.50 | 46.49 |
| G120.0 | 64.58 | 61.24 | 56.93 | 52.65 | 49.25 | 47.07 | 46.30 |
| G122.5 | 62.64 | 59.23 | 54.95 | 50.94 | 48.13 | 46.57 | 46.09 |
| G125.0 | 60.43 | 56.84 | 52.54 | 48.83 | 46.71 | 45.89 | 45.76 |
| G127.5 | 58.11 | 54.47 | 50.16 | 46.62 | 44.90 | 44.51 | 44.58 |
| G130.0 | 55.71 | 52.30 | 48.28 | 44.89 | 43.07 | 42.47 | 42.42 |
| G132.5 | 52.80 | 49.98 | 46.57 | 43.53 | 41.74 | 40.68 | 40.35 |
| G135.0 | 50.37 | 48.08 | 45.28 | 42.53 | 40.31 | 38.85 | 38.33 |
| G137.5 | 47.49 | 45.84 | 43.90 | 41.71 | 39.44 | 37.61 | 36.87 |
| G140.0 | 45.78 | 44.51 | 42.88 | 40.76 | 38.23 | 36.03 | 35.10 |
| G142.5 | 44.18 | 43.25 | 41.91 | 39.98 | 37.49 | 35.25 | 34.28 |
| G145.0 | 42.87 | 42.16 | 40.96 | 39.12 | 36.64 | 34.39 | 33.41 |
| G147.5 | 41.65 | 41.06 | 39.90 | 38.07 | 35.63 | 33.43 | 32.47 |
| G150.0 | 41.11 | 40.37 | 38.88 | 36.81 | 34.40 | 32.36 | 31.50 |
| G152.5 | 40.68 | 39.64 | 37.65 | 35.20 | 32.79 | 30.95 | 30.22 |
| G155.0 | 40.03 | 38.84 | 36.55 | 33.89 | 31.53 | 29.87 | 29.24 |
| G157.5 | 39.62 | 38.11 | 35.37 | 32.43 | 30.14 | 28.73 | 28.24 |
| G160.0 | 38.41 | 36.36 | 33.09 | 29.99 | 28.16 | 27.41 | 27.27 |
| G162.5 | 37.37 | 34.41 | 30.24 | 26.84 | 26.00 | 25.98 | 26.14 |
| G165.0 | 34.26 | 30.78 | 26.37 | 23.34 | 23.73 | 25.12 | 25.80 |
| G167.5 | 27.91 | 25.29 | 22.02 | 20.38 | 21.82 | 24.59 | 26.08 |
| G170.0 | 23.71 | 21.88 | 19.66 | 19.11 | 21.50 | 24.91 | 26.65 |
| G172.5 | 19.28 | 18.90 | 18.46 | 19.33 | 22.26 | 25.65 | 27.27 |
| G175.0 | 13.24 | 15.26 | 17.76 | 20.72 | 23.98 | 26.69 | 27.82 |
| G177.5 | 9.93 | 13.45 | 18.06 | 22.54 | 25.86 | 27.84 | 28.50 |
| G180.0 | 20.85 | 20.85 | 20.85 | 20.85 | 20.85 | 20.85 | 20.85 |

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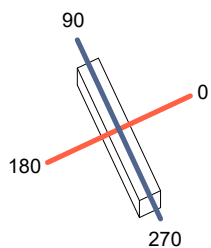
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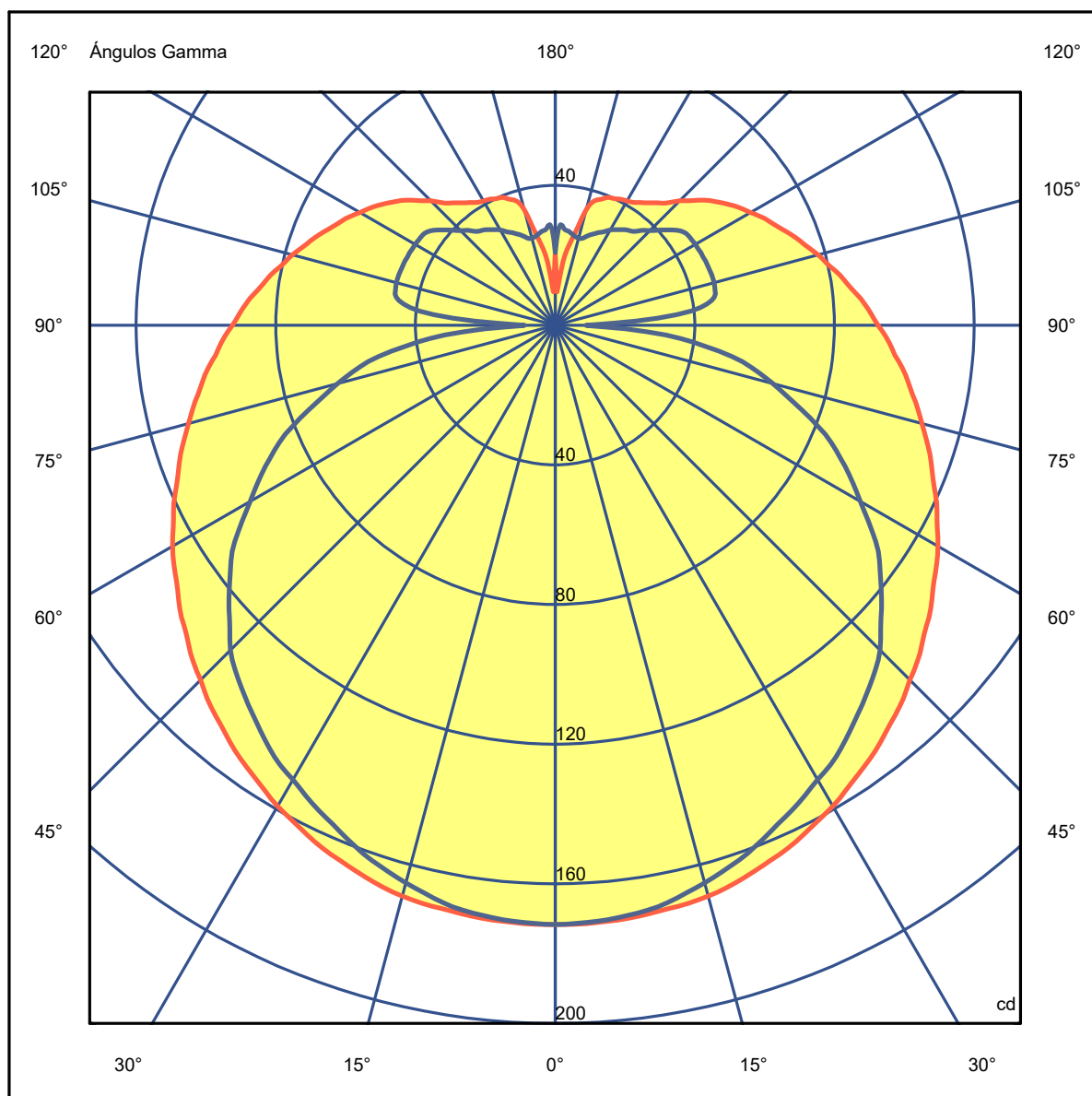
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940mm x 150mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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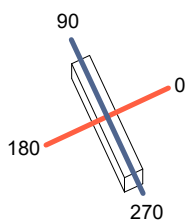
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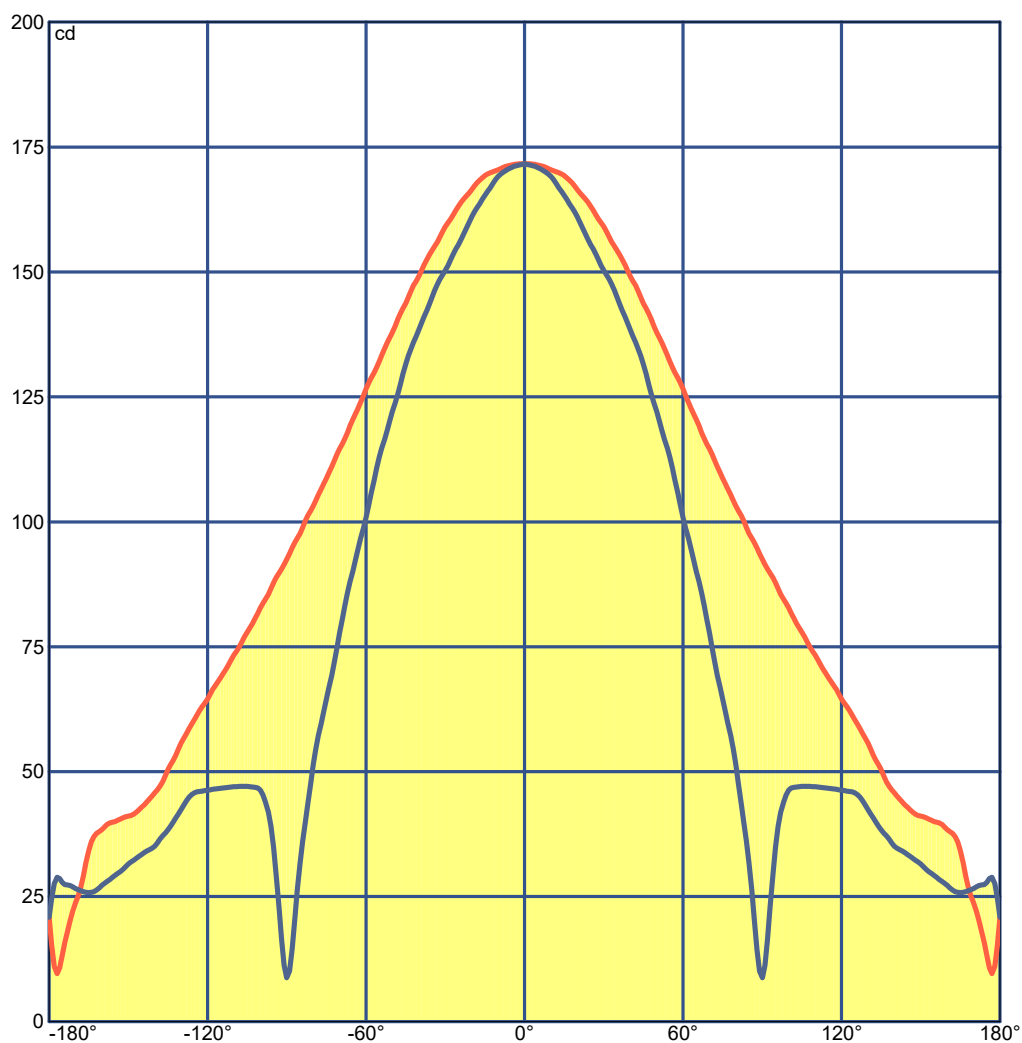
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UGR
S = 0.250

| Reflectancies | | | | | | | | | | |
|-----------------|--------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Working Plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room Dimensions | Lateral View | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 9.5 | 10.6 | 10.2 | 11.3 | 12.1 | 10.0 | 11.1 | 10.7 | 11.8 | 12.6 |
| x=2H y=3H | 11.7 | 12.6 | 12.4 | 13.4 | 14.3 | 11.9 | 12.9 | 12.7 | 13.7 | 14.5 |
| x=2H y=4H | 12.8 | 13.7 | 13.5 | 14.4 | 15.3 | 12.9 | 13.8 | 13.6 | 14.5 | 15.4 |
| x=2H y=6H | 13.9 | 14.7 | 14.6 | 15.5 | 16.4 | 13.7 | 14.6 | 14.5 | 15.4 | 16.3 |
| x=2H y=8H | 14.4 | 15.2 | 15.2 | 16.0 | 17.0 | 14.1 | 14.9 | 14.8 | 15.7 | 16.6 |
| x=2H y=12H | 14.9 | 15.7 | 15.7 | 16.5 | 17.5 | 14.3 | 15.1 | 15.1 | 15.9 | 16.8 |
| x=4H y=2H | 10.2 | 11.1 | 10.9 | 11.9 | 12.8 | 10.5 | 11.4 | 11.2 | 12.2 | 13.1 |
| x=4H y=3H | 12.5 | 13.3 | 13.3 | 14.1 | 15.0 | 12.7 | 13.5 | 13.4 | 14.2 | 15.2 |
| x=4H y=4H | 13.8 | 14.5 | 14.6 | 15.3 | 16.3 | 13.7 | 14.4 | 14.5 | 15.2 | 16.2 |
| x=4H y=6H | 15.1 | 15.7 | 15.9 | 16.5 | 17.5 | 14.7 | 15.3 | 15.5 | 16.2 | 17.2 |
| x=4H y=8H | 15.7 | 16.3 | 16.5 | 17.1 | 18.1 | 15.1 | 15.7 | 15.9 | 16.5 | 17.5 |
| x=4H y=12H | 16.3 | 16.9 | 17.2 | 17.7 | 18.7 | 15.4 | 16.0 | 16.3 | 16.8 | 17.8 |
| x=8H y=4H | 14.2 | 14.7 | 15.0 | 15.6 | 16.6 | 14.1 | 14.7 | 14.9 | 15.5 | 16.5 |
| x=8H y=6H | 15.7 | 16.2 | 16.5 | 17.0 | 18.1 | 15.3 | 15.8 | 16.1 | 16.6 | 17.7 |
| x=8H y=8H | 16.5 | 16.9 | 17.3 | 17.8 | 18.8 | 15.8 | 16.2 | 16.7 | 17.1 | 18.2 |
| x=8H y=12H | 17.3 | 17.7 | 18.2 | 18.6 | 19.6 | 16.2 | 16.6 | 17.1 | 17.5 | 18.6 |
| x=12H y=4H | 14.8 | 15.3 | 15.6 | 16.2 | 17.2 | 15.0 | 15.5 | 15.8 | 16.4 | 17.4 |
| x=12H y=6H | 16.2 | 16.6 | 17.0 | 17.5 | 18.5 | 16.0 | 16.4 | 16.9 | 17.3 | 18.4 |
| x=12H y=8H | 17.0 | 17.3 | 17.8 | 18.2 | 19.3 | 16.5 | 16.9 | 17.4 | 17.8 | 18.8 |

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| Sources Flux | 1034.74 lm | Maximum value | 171.64 cd | Position | C=0.00 G=0.00 | CG Double Symmetrical | |

Flujo Total=1034.74 Flujo Luminaria=1034.74

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 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 | 0.22 | 0.29 | 0.35 | 0.41 | 0.47 | 0.55 | 0.61 | 0.66 | 0.72 | 0.76 | 0.85 | 0.92 |
| RC | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

Flujo Zonal por 1000 Lúmenes

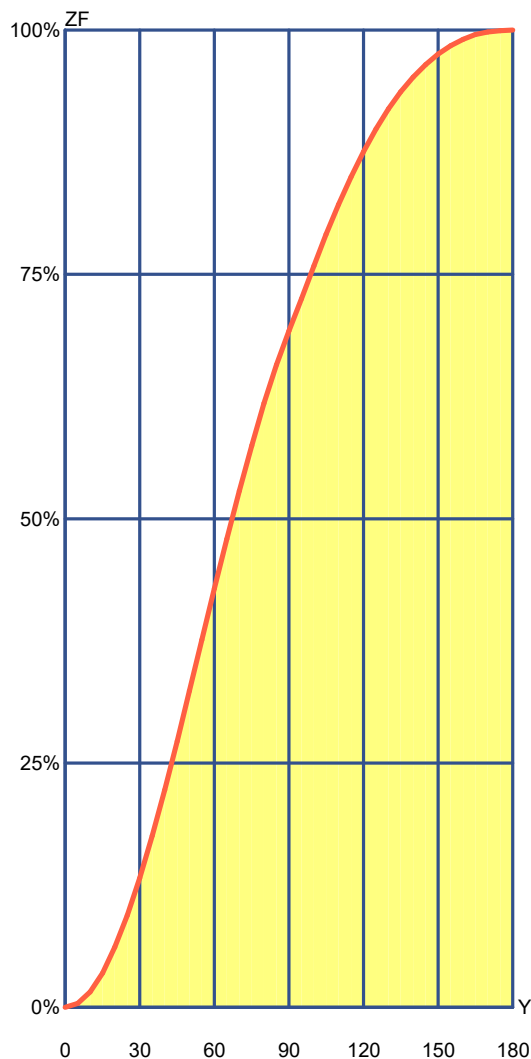
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|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| ZF(Y) | 16 | 61 | 132 | 222 | 324 | 428 | 528 | 618 | 692 | 759 | 821 | 876 | 919 | 952 | 975 | 991 | 998 | 1000 |

Códigos de Flujo C.I.E.

34 62 84 69 100

C.I.E. 7
D DIN 5040 B21
F UTE 0.69 H + 0.31 T
B NBN BZ 6
RN 30.79879 %
BLF 1.0

LOR 100.00000 %
ULOR 30.79879 %
DLOR 69.20121 %
UFF 30.79879 %
DFF 69.20121 %
FFR 44.50615 %



| Flujo Zonal | | | | |
|-------------|-------|---------|-----------|----------|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 5° | 3.96 | 3.96 | 0.40 % | 0.40 % |
| 10° | 11.78 | 15.74 | 1.18 % | 1.57 % |
| 15° | 19.31 | 35.05 | 1.93 % | 3.50 % |
| 20° | 26.36 | 61.41 | 2.64 % | 6.14 % |
| 25° | 32.74 | 94.14 | 3.27 % | 9.41 % |
| 30° | 38.29 | 132.44 | 3.83 % | 13.24 % |
| 35° | 43.03 | 175.47 | 4.30 % | 17.55 % |
| 40° | 46.84 | 222.31 | 4.68 % | 22.23 % |
| 45° | 49.78 | 272.09 | 4.98 % | 27.21 % |
| 50° | 51.59 | 323.68 | 5.16 % | 32.37 % |
| 55° | 52.41 | 376.09 | 5.24 % | 37.61 % |
| 60° | 52.20 | 428.28 | 5.22 % | 42.83 % |
| 65° | 51.02 | 479.30 | 5.10 % | 47.93 % |
| 70° | 49.12 | 528.43 | 4.91 % | 52.84 % |
| 75° | 46.37 | 574.79 | 4.64 % | 57.48 % |
| 80° | 43.31 | 618.10 | 4.33 % | 61.81 % |
| 85° | 39.45 | 657.55 | 3.94 % | 65.76 % |
| 90° | 34.46 | 692.01 | 3.45 % | 69.20 % |
| 95° | 32.97 | 724.99 | 3.30 % | 72.50 % |
| 100° | 33.76 | 758.75 | 3.38 % | 75.87 % |
| 105° | 32.38 | 791.13 | 3.24 % | 79.11 % |
| 110° | 30.33 | 821.46 | 3.03 % | 82.15 % |
| 115° | 28.17 | 849.63 | 2.82 % | 84.96 % |
| 120° | 25.90 | 875.53 | 2.59 % | 87.55 % |
| 125° | 23.36 | 898.89 | 2.34 % | 89.89 % |
| 130° | 20.46 | 919.35 | 2.05 % | 91.94 % |
| 135° | 17.54 | 936.90 | 1.75 % | 93.69 % |
| 140° | 14.97 | 951.87 | 1.50 % | 95.19 % |
| 145° | 12.75 | 964.62 | 1.27 % | 96.46 % |
| 150° | 10.69 | 975.30 | 1.07 % | 97.53 % |
| 155° | 8.65 | 983.95 | 0.86 % | 98.40 % |
| 160° | 6.69 | 990.64 | 0.67 % | 99.06 % |
| 165° | 4.64 | 995.28 | 0.46 % | 99.53 % |
| 170° | 2.75 | 998.03 | 0.28 % | 99.80 % |
| 175° | 1.48 | 999.51 | 0.15 % | 99.95 % |
| 180° | 0.49 | 1000.00 | 0.05 % | 100.00 % |

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Isolux (Floor)

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

