

Luminaire

Code 116040

Name TOP

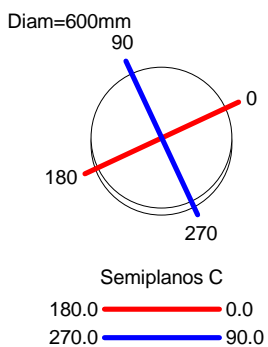
Measur.

Code CL252A20F014G

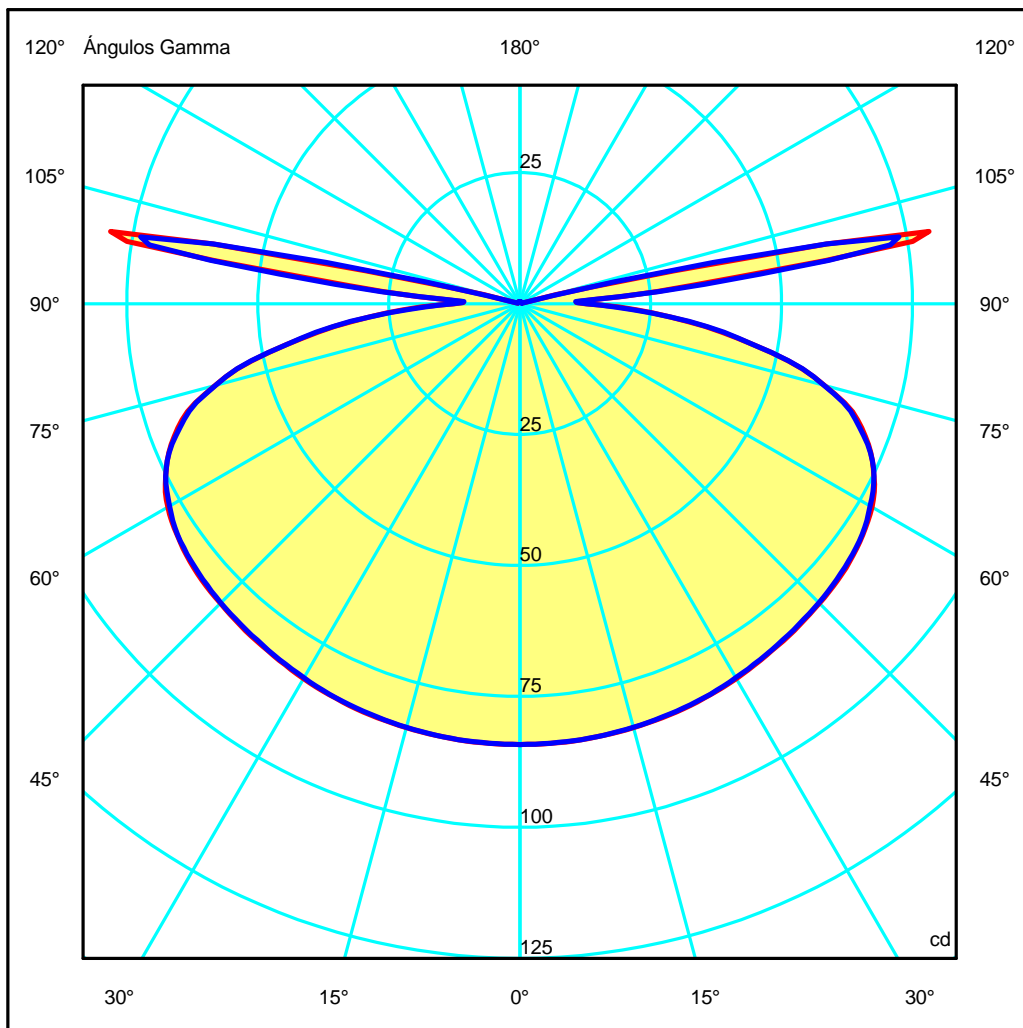
Name 2700K CRI90

| | | | | | | | |
|----------------------------|-----------|-----------------|----------|-----------------------------|---------------|--------------------|--------------------|
| Luminaire Flux | 478.39 lm | Luminaire Power | 30.67 W | Efficacy | 15.60 lm/W | Efficiency | 100.00% |
| Sources Flux | 478.39 lm | Maximum value | 84.15 cd | Position | C=0.00 G=2.50 | CG | Double Symmetrical |
| Round Luminaire | | Diam. | 600 mm | Height | 100 mm | | |
| Round Luminous Area | | Diam. | 180 mm | Height | 0 mm | | |
| Horizontal Luminous Area | | 0.025447 m2 | | Emitting area on Plane 180° | | 0.000000 m2 | |
| Emitting area on Plane 0° | | 0.000000 m2 | | Emitting area on Plane 270° | | 0.000000 m2 | |
| Emitting area on Plane 90° | | 0.000000 m2 | | Glare area at 76° | | 0.006156 m2 | |
| Coordinate system | | CG | | Symmetry Type | | Double Symmetrical | |
| Date | | 19-05-2020 | | Maximum Gamma Angle | | 180 | |
| Measurement Distance | | 6.44 | | Measurement Flux | | 478.39 lm | |
| Operator | | Asselum T2 | | Rated Voltage | | 230.16 V | |
| Temperature | | 25.40 °C | | Rated Current | | 0.15 A | |
| Humidity | | 45.80 % | | Photocell | | Prc | |
| Notes | | RM20051807.2 | | | | | |

| Line | | Code | | Luminaire Lamps | | Flux [lm] | Pow. [W] | Q.ty |
|-----------------------------|-----------------|---------|--|-------------------------------|-------------------|-----------|----------|------|
| NICHIA NF2L757GRT-V3F1 sm27 | | 5752849 | | Name LED PLATE 26,4W 700mA | | 478.39 | 30.67 | 1 |
| C.I.E. | 31 60 87 88 100 | | | D DIN 5040 | B21 | | | |
| F UTE | 0.88 I + 0.12 T | | | B NBN | BZ 7 / 0.8 / BZ 6 | | | |



ULOR 11.61 %
DLOR 88.39 %
RN 11.61 %



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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 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 2.5 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 5.0 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 7.5 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 10.0 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 12.5 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 15.0 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 17.5 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| G 20.0 | 84 | 83 | 83 | 83 | 83 | 83 | 83 |
| G 22.5 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| G 25.0 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| G 27.5 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| G 30.0 | 83 | 83 | 83 | 83 | 83 | 82 | 82 |
| G 32.5 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| G 35.0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| G 37.5 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| G 40.0 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| G 42.5 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| G 45.0 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| G 47.5 | 81 | 81 | 81 | 81 | 80 | 80 | 80 |
| G 50.0 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| G 52.5 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| G 55.0 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| G 57.5 | 79 | 78 | 78 | 78 | 78 | 78 | 78 |
| G 60.0 | 78 | 77 | 78 | 78 | 77 | 77 | 77 |
| G 62.5 | 76 | 76 | 76 | 76 | 76 | 76 | 76 |
| G 65.0 | 74 | 75 | 75 | 74 | 74 | 74 | 75 |
| G 67.5 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| G 70.0 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| G 72.5 | 66 | 66 | 66 | 65 | 65 | 66 | 66 |
| G 75.0 | 60 | 61 | 60 | 60 | 60 | 61 | 60 |
| G 77.5 | 54 | 53 | 54 | 54 | 54 | 54 | 54 |
| G 80.0 | 45 | 46 | 46 | 46 | 46 | 45 | 45 |
| G 82.5 | 37 | 38 | 38 | 37 | 37 | 38 | 38 |
| G 85.0 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| G 87.5 | 21 | 20 | 21 | 21 | 21 | 20 | 20 |
| G 90.0 | 13 | 13 | 13 | 13 | 13 | 12 | 13 |
| G 92.5 | 12 | 13 | 12 | 13 | 12 | 13 | 12 |
| G 95.0 | 26 | 25 | 26 | 26 | 27 | 25 | 27 |
| G 97.5 | 50 | 53 | 51 | 49 | 51 | 51 | 53 |
| G100.0 | 79 | 67 | 77 | 70 | 75 | 63 | 73 |
| G102.5 | 17 | 40 | 29 | 37 | 22 | 37 | 27 |
| G105.0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| G107.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G110.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G112.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G115.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G117.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G120.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G122.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G125.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G127.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G130.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G132.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G135.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G137.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G140.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G142.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G145.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G147.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G150.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G152.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G155.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G157.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G160.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G162.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G165.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G167.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G170.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G172.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G175.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G177.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| G180.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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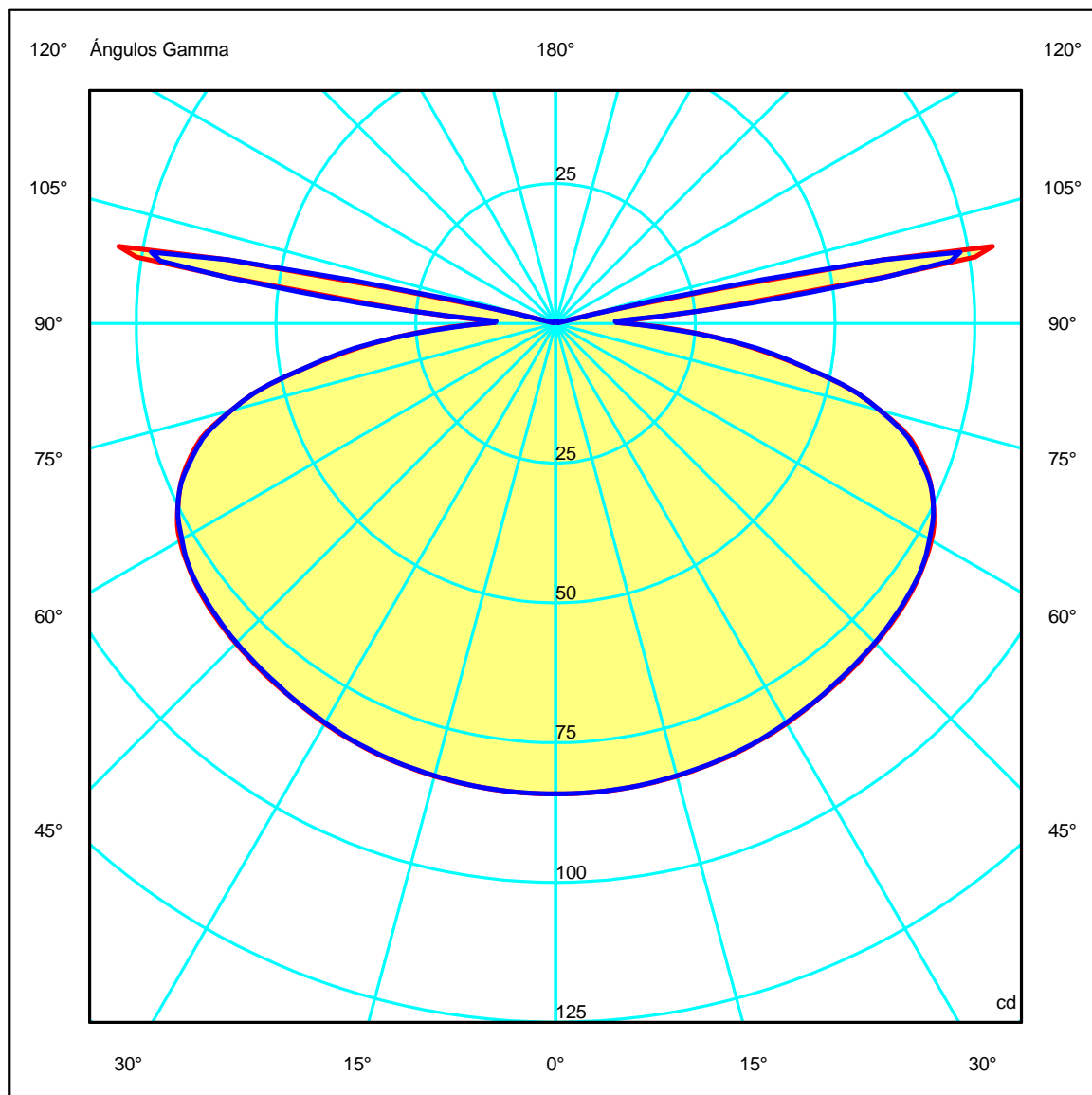
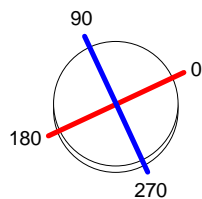
| | | | | | | | |
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Diam=600mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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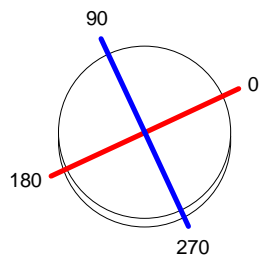
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UGR
S = 0.250

| Reflectancies | | | | | | | | | | |
|----------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| WorkingPlane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| RoomDimensions | Viewed Crosswise | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 18.1 | 19.5 | 18.5 | 19.9 | 20.4 | 18.1 | 19.4 | 18.5 | 19.9 | 20.4 |
| x=2H y=3H | 21.0 | 22.3 | 21.5 | 22.8 | 23.3 | 21.0 | 22.3 | 21.5 | 22.8 | 23.3 |
| x=2H y=4H | 22.5 | 23.7 | 23.0 | 24.2 | 24.7 | 22.5 | 23.7 | 23.0 | 24.2 | 24.7 |
| x=2H y=6H | 23.7 | 24.9 | 24.3 | 25.4 | 26.0 | 23.7 | 24.9 | 24.3 | 25.4 | 26.0 |
| x=2H y=8H | 24.3 | 25.4 | 24.8 | 25.9 | 26.5 | 24.3 | 25.4 | 24.8 | 25.9 | 26.5 |
| x=2H y=12H | 24.8 | 25.8 | 25.3 | 26.4 | 27.0 | 24.8 | 25.8 | 25.3 | 26.4 | 27.0 |
| x=4H y=2H | 19.2 | 20.4 | 19.7 | 20.9 | 21.5 | 19.2 | 20.4 | 19.7 | 20.9 | 21.5 |
| x=4H y=3H | 22.3 | 23.3 | 22.8 | 23.9 | 24.5 | 22.3 | 23.3 | 22.8 | 23.9 | 24.5 |
| x=4H y=4H | 23.9 | 24.8 | 24.4 | 25.4 | 26.0 | 23.9 | 24.8 | 24.4 | 25.4 | 26.0 |
| x=4H y=6H | 25.3 | 26.1 | 25.8 | 26.7 | 27.3 | 25.3 | 26.1 | 25.8 | 26.7 | 27.3 |
| x=4H y=8H | 25.9 | 26.6 | 26.5 | 27.3 | 27.9 | 25.9 | 26.6 | 26.5 | 27.2 | 27.9 |
| x=4H y=12H | 26.5 | 27.2 | 27.1 | 27.8 | 28.5 | 26.5 | 27.2 | 27.1 | 27.8 | 28.5 |
| x=8H y=4H | 24.5 | 25.3 | 25.1 | 25.9 | 26.6 | 24.5 | 25.3 | 25.1 | 25.9 | 26.6 |
| x=8H y=6H | 26.1 | 26.8 | 26.7 | 27.4 | 28.1 | 26.1 | 26.8 | 26.8 | 27.4 | 28.1 |
| x=8H y=8H | 26.9 | 27.4 | 27.5 | 28.1 | 28.8 | 26.9 | 27.4 | 27.5 | 28.1 | 28.8 |
| x=8H y=12H | 27.6 | 28.1 | 28.3 | 28.8 | 29.5 | 27.6 | 28.1 | 28.3 | 28.7 | 29.5 |
| x=12H y=4H | 24.7 | 25.4 | 25.3 | 26.0 | 26.7 | 24.6 | 25.3 | 25.3 | 26.0 | 26.6 |
| x=12H y=6H | 26.3 | 26.9 | 27.0 | 27.5 | 28.2 | 26.3 | 26.9 | 27.0 | 27.5 | 28.2 |
| x=12H y=8H | 27.2 | 27.7 | 27.8 | 28.3 | 29.1 | 27.1 | 27.6 | 27.8 | 28.3 | 29.0 |

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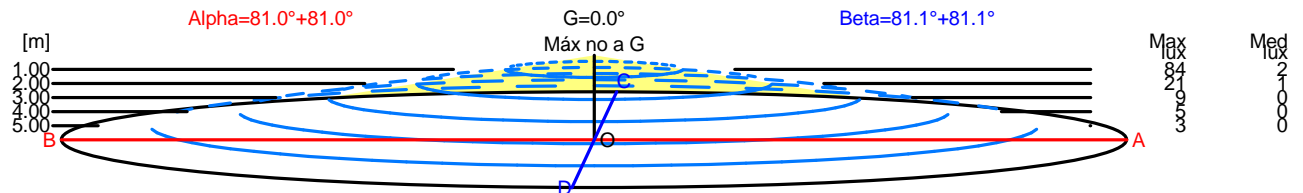
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Width at 50.00 % of Max Intensity

| | | | | | | | | | | | |
|------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA | 6.30 | 12.60 | 18.90 | 25.20 | 31.50 | OC | 6.38 | 12.76 | 19.14 | 25.52 | 31.90 |
| OB | 6.30 | 12.60 | 18.90 | 25.20 | 31.50 | OD | 6.38 | 12.76 | 19.14 | 25.52 | 31.90 |

Luminous Intensities [cd]

| | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
| OA | 84.14 | 84.13 | 83.82 | 83.13 | 81.99 | 80.89 | 79.22 | 74.45 | 60.15 | 28.80 |
| OB | 84.14 | 84.13 | 83.82 | 83.13 | 81.99 | 80.89 | 79.22 | 74.45 | 60.15 | 28.80 |
| OC | 84.14 | 84.10 | 83.74 | 83.05 | 81.90 | 80.75 | 79.08 | 74.51 | 60.05 | 28.77 |
| OD | 84.14 | 84.10 | 83.74 | 83.05 | 81.90 | 80.75 | 79.08 | 74.51 | 60.05 | 28.77 |



| H[m] | D[m] | Max lux | Med lux | Alpha=81.0°+81.0° | G=0.0 Máx no a G | |
|------|-------|---------|---------|-------------------|---------------------|--|
| 1.00 | 12.60 | 84 | 2 | | | |
| 2.00 | 25.20 | 21 | 1 | | | |
| 3.00 | 37.80 | 9 | 0 | | | |
| 4.00 | 50.39 | 5 | 0 | | | |
| 5.00 | 62.99 | 3 | 0 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=81.1°+81.1° | G=0.0 Máx no a G | |
|------|-------|---------|---------|------------------|---------------------|--|
| 1.00 | 12.76 | 84 | 2 | | | |
| 2.00 | 25.52 | 21 | 1 | | | |
| 3.00 | 38.27 | 9 | 0 | | | |
| 4.00 | 51.03 | 5 | 0 | | | |
| 5.00 | 63.79 | 3 | 0 | | | |

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Flujo Total=478.39 Flujo Luminaria=478.39

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 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 | 0.20 | 0.27 | 0.33 | 0.40 | 0.45 | 0.55 | 0.61 | 0.66 | 0.73 | 0.77 | 0.87 | 0.93 |
| RC | 8 | 8 | 8 | 8 | 8 | 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) | 17 | 66 | 147 | 254 | 385 | 533 | 687 | 818 | 884 | 959 | 997 | 998 | 998 | 999 | 999 | 1000 | 1000 | 1000 |

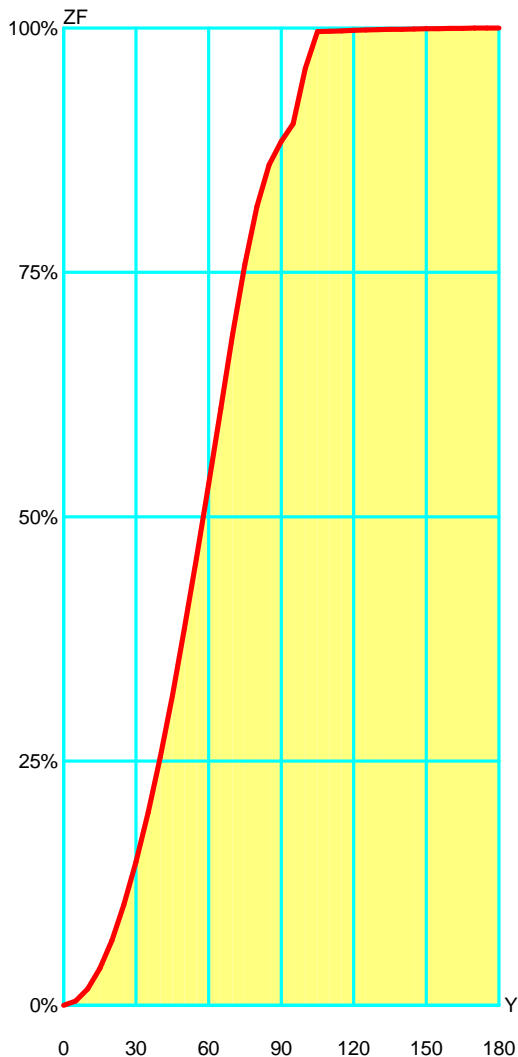
Códigos de Flujo C.I.E.

31 60 87 88 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

8/8/8/8/7/7/7/7/7/7
B21
0.88 l + 0.12 T
BZ 7 / 0.8 / BZ 6
11.60924 %
1.0

LOR 100.00000 %
ULOR 11.60924 %
DLOR 88.39076 %
UFF 11.60924 %
DFF 88.39076 %
FFR 13.13400 %



| Flujo Zonal | | | | |
|-------------|-------|---------|-----------|----------|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 5° | 4.20 | 4.20 | 0.42 % | 0.42 % |
| 10° | 12.57 | 16.77 | 1.26 % | 1.68 % |
| 15° | 20.80 | 37.57 | 2.08 % | 3.76 % |
| 20° | 28.81 | 66.38 | 2.88 % | 6.64 % |
| 25° | 36.51 | 102.89 | 3.65 % | 10.29 % |
| 30° | 43.81 | 146.71 | 4.38 % | 14.67 % |
| 35° | 50.62 | 197.33 | 5.06 % | 19.73 % |
| 40° | 56.95 | 254.28 | 5.69 % | 25.43 % |
| 45° | 62.77 | 317.05 | 6.28 % | 31.71 % |
| 50° | 68.00 | 385.05 | 6.80 % | 38.51 % |
| 55° | 72.44 | 457.49 | 7.24 % | 45.75 % |
| 60° | 75.72 | 533.21 | 7.57 % | 53.32 % |
| 65° | 77.30 | 610.50 | 7.73 % | 61.05 % |
| 70° | 76.25 | 686.75 | 7.63 % | 68.68 % |
| 75° | 71.19 | 757.94 | 7.12 % | 75.79 % |
| 80° | 59.73 | 817.67 | 5.97 % | 81.77 % |
| 85° | 42.57 | 860.24 | 4.26 % | 86.02 % |
| 90° | 23.67 | 883.91 | 2.37 % | 88.39 % |
| 95° | 18.25 | 902.16 | 1.83 % | 90.22 % |
| 100° | 56.59 | 958.75 | 5.66 % | 95.88 % |
| 105° | 37.57 | 996.33 | 3.76 % | 99.63 % |
| 110° | 0.46 | 996.79 | 0.05 % | 99.68 % |
| 115° | 0.41 | 997.20 | 0.04 % | 99.72 % |
| 120° | 0.39 | 997.59 | 0.04 % | 99.76 % |
| 125° | 0.36 | 997.95 | 0.04 % | 99.79 % |
| 130° | 0.32 | 998.27 | 0.03 % | 99.83 % |
| 135° | 0.30 | 998.57 | 0.03 % | 99.86 % |
| 140° | 0.28 | 998.85 | 0.03 % | 99.89 % |
| 145° | 0.25 | 999.10 | 0.03 % | 99.91 % |
| 150° | 0.22 | 999.33 | 0.02 % | 99.93 % |
| 155° | 0.20 | 999.53 | 0.02 % | 99.95 % |
| 160° | 0.16 | 999.69 | 0.02 % | 99.97 % |
| 165° | 0.13 | 999.82 | 0.01 % | 99.98 % |
| 170° | 0.10 | 999.92 | 0.01 % | 99.99 % |
| 175° | 0.06 | 999.98 | 0.01 % | 100.00 % |
| 180° | 0.02 | 1000.00 | 0.00 % | 100.00 % |

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Isolux (Floor)

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

