## Luminaria

| | |
|---|---|
| Código | 2167 |
| Nombre | Rhythm Wood |
| Familia | OxyTech |

## Ensayo

| | |
|---|---|
| Código | CL252A24F009G |
| Nombre | Rhythm Wood |

## Datos Fuente de luz

| | | | | | |
|---|---|---|---|---|---|
| Código | x15 (5752980+5752981)=87W | Temp. de Color Correlacionada (TCP) | 0K | Cant. | 1 |
| Nombre | LED STRIPS 2700K CRI90 (2,9+2,9)5,8w 30V | Índice repr. Cromática (CRI) | 0 | | |
| Familia | | | | | |

## Datos del Ensayo

| | | | |
|---|---|---|---|
| Sist. de Coorden. | CG | Tipo de Simetría | Bisimétrico |
| Fecha | 19-07-2024 | Máximo Ángulo Gamma | 180° |
| Distancia de Ensayo | 6.49m | Flujo de Ensayo | 1517.5 lm |
| Máximo | 250.82 cd/klm | Posición | C=90.0° G=37.5° |

## Parám. Eléctricos

| | Canal 1 | | Canal 2 |
|---|---|---|---|
| Tensión | 30.00 V | Tensión | 0.00 V |
| Corriente | 1.88 A | Corriente | 0.00 A |
| Potencia | 56.54 W | Potencia | 0.00 W |
| Frecuencia | 50 Hz | Frecuencia | 0 Hz |
| Factor de Potencia | 1.00 | Factor de Potencia | 0.00 |

## Parámetros Ambientales

| | | | |
|---|---|---|---|
| Temperatura | 24.8 °C | Velocidad del Aire | 0.0 m/s |
| Humedad | 50.6 % | | |

## Dim. de la Luminaria

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminaria Rectangular | Longit. | 800 mm | Anchura | 20 mm | Altura | 870 mm |
| Área Luminosa Rectangular | Longit. | 775 mm | Anchura | 15 mm | Altura | 850 mm |

| | | | |
|---|---|---|---|
| Área Luminosa Horizontal | 0.011625 m2 | Área Emisión sobre Pl. 180° | 0.658750 m2 |
| Área Emisión sobre Pl. 0° | 0.658750 m2 | Área Emisión sobre Pl. 270° | 0.012750 m2 |
| Área Emisión sobre Pl. 90° | 0.012750 m2 | Área de deslumbramiento a 76° | 0.641995 m2 |

## Análisis Fotométrico

| | | | |
|---|---|---|---|
| Flujo Luminaria | 1517.5 lm | Flujo Fuente | 1517.5 lm |
| Eficacia | 26.839 lm/W | Eficiencia | 100.0 % |
| Códigos de Flujo C.I.E. | 39 73 93 83 100 | D DIN 5040 | B21 |
| F UTE | 0.83 G + 0.17 T | B NBN | BZ 6 / 0.8 / BZ 5 |



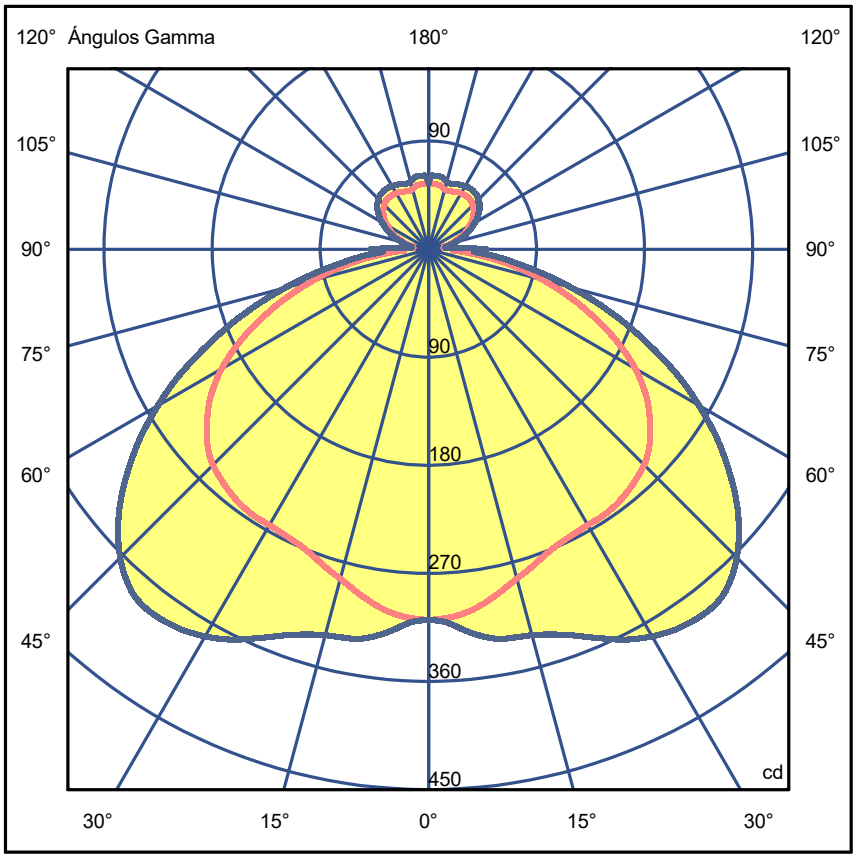
800mm x 20mm







ULOR 16.69 %
DLOR 83.31 %
RN 16.69 %



**Luminaria**
Código 2167
Nombre Rhythm Wood
**Ensayo**
Código CL252A24F009G
Nombre Rhythm Wood

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1517 lm | Potencia Luminaria | 56.5 W | Eficacia | 26.839 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1517 lm | Valor Máximo | 380.61 cd | Posición | C=90.00 G=37.50 | CG | Bisimétrico |

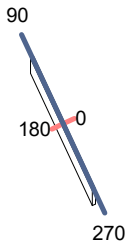
**Tabla de Intensidad Luminosa cd** **Tabla 1/1**

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 309 | 309 | 309 | 309 | 309 | 309 | 309 |
| G 2.5 | 308 | 308 | 308 | 308 | 311 | 311 | 311 |
| G 5.0 | 305 | 306 | 306 | 308 | 313 | 316 | 317 |
| G 7.5 | 301 | 303 | 304 | 307 | 315 | 321 | 324 |
| G 10.0 | 296 | 299 | 300 | 305 | 317 | 326 | 329 |
| G 12.5 | 290 | 296 | 298 | 305 | 319 | 329 | 331 |
| G 15.0 | 284 | 292 | 296 | 307 | 322 | 331 | 333 |
| G 17.5 | 279 | 290 | 296 | 309 | 325 | 335 | 336 |
| G 20.0 | 274 | 289 | 297 | 312 | 329 | 340 | 342 |
| G 22.5 | 270 | 289 | 296 | 314 | 333 | 346 | 349 |
| G 25.0 | 267 | 288 | 296 | 316 | 337 | 353 | 358 |
| G 27.5 | 266 | 287 | 296 | 318 | 341 | 361 | 366 |
| G 30.0 | 265 | 286 | 294 | 318 | 343 | 367 | 372 |
| G 32.5 | 265 | 284 | 293 | 317 | 346 | 371 | 377 |
| G 35.0 | 265 | 282 | 290 | 314 | 348 | 374 | 379 |
| G 37.5 | 263 | 279 | 286 | 310 | 346 | 373 | 381 |
| G 40.0 | 260 | 275 | 280 | 302 | 341 | 369 | 379 |
| G 42.5 | 257 | 270 | 270 | 293 | 333 | 363 | 373 |
| G 45.0 | 254 | 264 | 260 | 284 | 324 | 355 | 363 |
| G 47.5 | 249 | 256 | 248 | 273 | 313 | 344 | 350 |
| G 50.0 | 241 | 248 | 236 | 261 | 302 | 331 | 336 |
| G 52.5 | 232 | 238 | 222 | 249 | 288 | 315 | 319 |
| G 55.0 | 223 | 226 | 209 | 235 | 273 | 297 | 300 |
| G 57.5 | 212 | 214 | 195 | 221 | 256 | 278 | 281 |
| G 60.0 | 199 | 201 | 181 | 206 | 239 | 257 | 260 |
| G 62.5 | 184 | 187 | 165 | 190 | 220 | 235 | 239 |
| G 65.0 | 167 | 172 | 151 | 174 | 200 | 213 | 215 |
| G 67.5 | 150 | 156 | 137 | 157 | 180 | 191 | 192 |
| G 70.0 | 133 | 140 | 122 | 139 | 159 | 169 | 169 |
| G 72.5 | 116 | 122 | 107 | 122 | 137 | 146 | 146 |
| G 75.0 | 99 | 104 | 93 | 104 | 117 | 123 | 123 |
| G 77.5 | 82 | 86 | 78 | 85 | 96 | 101 | 102 |
| G 80.0 | 64 | 68 | 63 | 68 | 77 | 80 | 81 |
| G 82.5 | 47 | 50 | 49 | 52 | 59 | 62 | 64 |
| G 85.0 | 32 | 34 | 35 | 37 | 44 | 47 | 49 |
| G 87.5 | 20 | 22 | 26 | 28 | 33 | 36 | 38 |
| G 90.0 | 31 | 33 | 37 | 39 | 44 | 47 | 49 |
| G 92.5 | 14 | 15 | 15 | 16 | 16 | 16 | 16 |
| G 95.0 | 12 | 13 | 13 | 13 | 14 | 14 | 14 |
| G 97.5 | 13 | 14 | 14 | 14 | 14 | 14 | 14 |
| G100.0 | 15 | 16 | 16 | 16 | 16 | 17 | 17 |
| G102.5 | 18 | 19 | 19 | 19 | 20 | 20 | 20 |
| G105.0 | 21 | 22 | 22 | 23 | 23 | 23 | 23 |
| G107.5 | 24 | 26 | 26 | 26 | 27 | 27 | 27 |
| G110.0 | 27 | 30 | 30 | 30 | 30 | 31 | 31 |
| G112.5 | 31 | 33 | 34 | 34 | 34 | 35 | 35 |
| G115.0 | 34 | 36 | 37 | 37 | 38 | 38 | 38 |
| G117.5 | 37 | 40 | 40 | 40 | 41 | 41 | 41 |
| G120.0 | 40 | 43 | 43 | 43 | 44 | 45 | 45 |
| G122.5 | 42 | 46 | 46 | 46 | 47 | 48 | 48 |
| G125.0 | 45 | 48 | 49 | 49 | 50 | 51 | 51 |
| G127.5 | 47 | 51 | 51 | 52 | 52 | 53 | 53 |
| G130.0 | 49 | 53 | 53 | 54 | 55 | 55 | 56 |
| G132.5 | 51 | 55 | 55 | 56 | 56 | 57 | 57 |
| G135.0 | 52 | 56 | 57 | 57 | 58 | 59 | 59 |
| G137.5 | 53 | 57 | 58 | 58 | 59 | 60 | 60 |
| G140.0 | 54 | 58 | 59 | 59 | 60 | 61 | 61 |
| G142.5 | 54 | 58 | 59 | 59 | 60 | 61 | 61 |
| G145.0 | 54 | 58 | 59 | 59 | 60 | 61 | 61 |
| G147.5 | 54 | 58 | 59 | 59 | 60 | 61 | 61 |
| G150.0 | 54 | 58 | 58 | 59 | 60 | 61 | 61 |
| G152.5 | 53 | 58 | 58 | 58 | 59 | 60 | 60 |
| G155.0 | 53 | 57 | 57 | 58 | 59 | 59 | 60 |
| G157.5 | 52 | 56 | 56 | 57 | 58 | 59 | 59 |
| G160.0 | 52 | 55 | 56 | 56 | 57 | 58 | 58 |
| G162.5 | 51 | 55 | 55 | 56 | 57 | 57 | 57 |
| G165.0 | 52 | 56 | 56 | 57 | 57 | 58 | 58 |
| G167.5 | 53 | 57 | 58 | 58 | 59 | 60 | 60 |
| G170.0 | 54 | 59 | 59 | 59 | 60 | 61 | 61 |
| G172.5 | 54 | 59 | 59 | 59 | 60 | 61 | 61 |
| G175.0 | 54 | 58 | 59 | 59 | 60 | 61 | 61 |
| G177.5 | 55 | 59 | 59 | 60 | 60 | 61 | 61 |
| G180.0 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |

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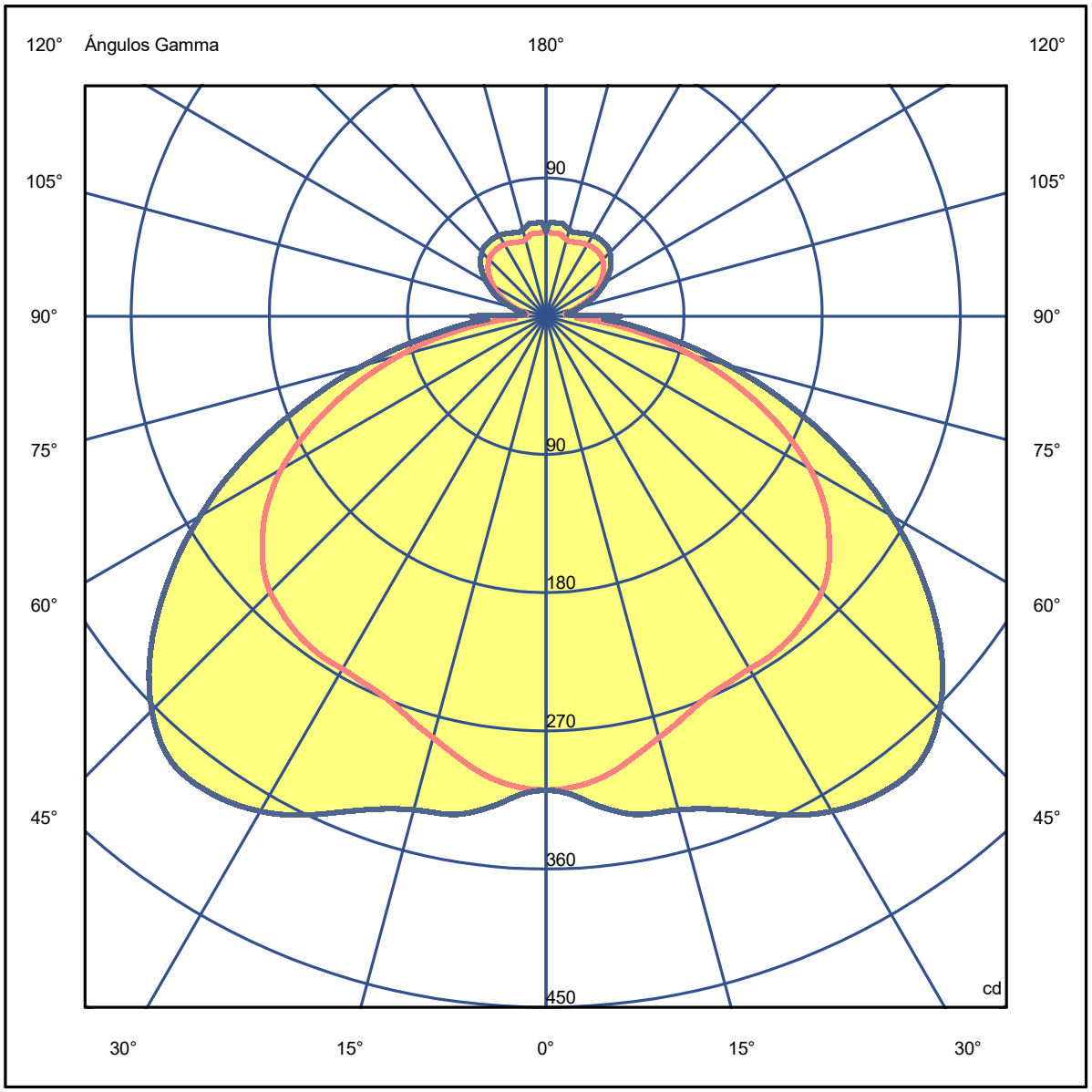
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| Flujo Fuente | 1517 lm | Valor Máximo | 380.61 cd | Posición | C=90.00 G=37.50 | CG | Bisimétrico |

800mm x 20mm




Semiplanos C

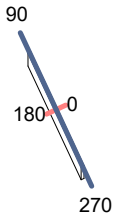


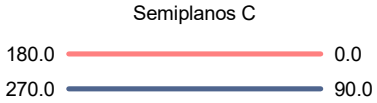



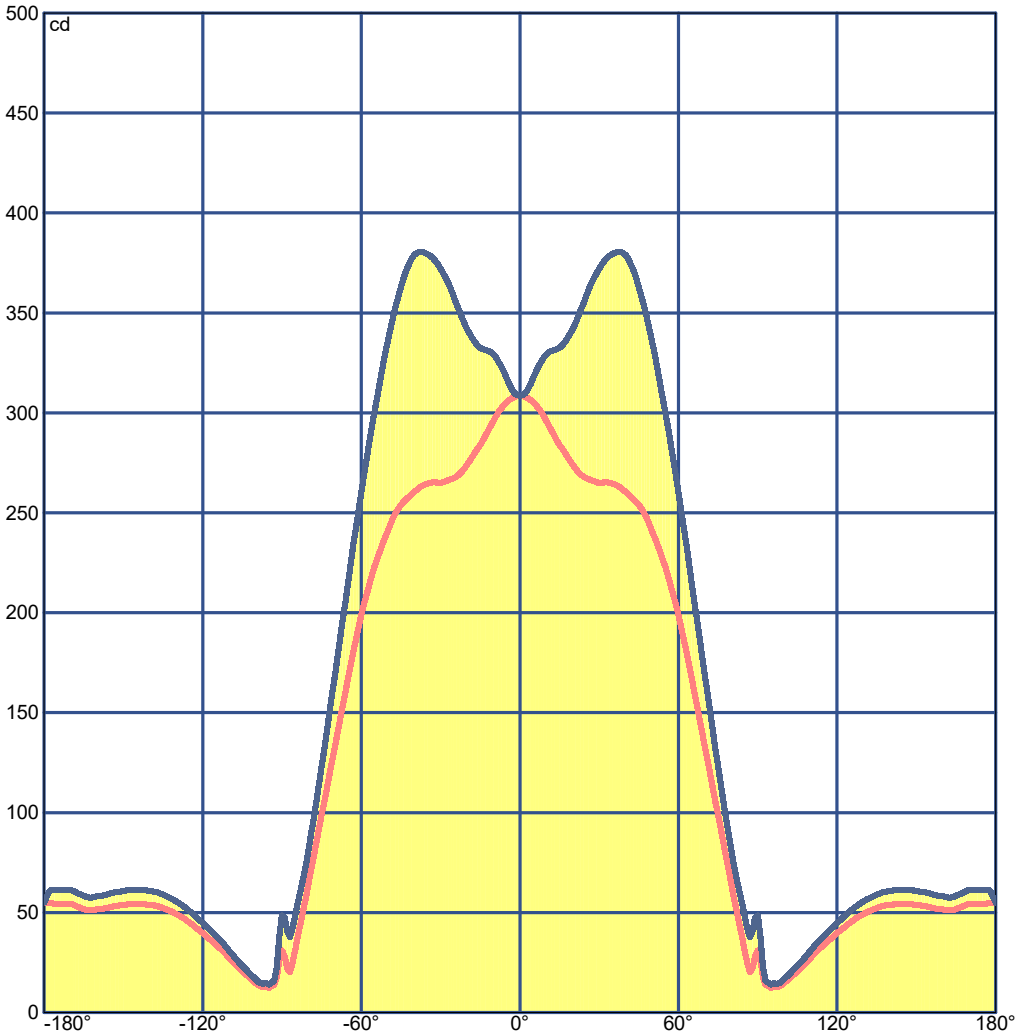
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**UGR**
S = 0.250

| 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 Loca | Vista Lateral | | | | | Vista Longitudinal | | | | |
| x=2H y=2H | 8.7 | 9.9 | 9.2 | 10.4 | 11.0 | 15.2 | 16.4 | 15.8 | 16.9 | 17.5 |
| x=2H y=3H | 9.8 | 10.9 | 10.4 | 11.4 | 12.0 | 16.8 | 17.9 | 17.4 | 18.4 | 19.1 |
| x=2H y=4H | 10.2 | 11.2 | 10.7 | 11.8 | 12.4 | 17.4 | 18.5 | 18.0 | 19.0 | 19.6 |
| x=2H y=6H | 10.4 | 11.3 | 11.0 | 11.9 | 12.5 | 17.9 | 18.8 | 18.5 | 19.4 | 20.1 |
| x=2H y=8H | 10.4 | 11.3 | 11.0 | 11.9 | 12.6 | 18.1 | 19.0 | 18.7 | 19.6 | 20.2 |
| x=2H y=12H | 10.4 | 11.3 | 11.0 | 11.9 | 12.6 | 18.2 | 19.1 | 18.8 | 19.7 | 20.4 |
| x=4H y=2H | 9.5 | 10.5 | 10.1 | 11.1 | 11.7 | 15.1 | 16.1 | 15.7 | 16.7 | 17.3 |
| x=4H y=3H | 10.6 | 11.5 | 11.3 | 12.1 | 12.8 | 16.8 | 17.6 | 17.4 | 18.2 | 18.9 |
| x=4H y=4H | 11.1 | 11.9 | 11.7 | 12.5 | 13.2 | 17.5 | 18.2 | 18.1 | 18.8 | 19.6 |
| x=4H y=6H | 11.4 | 12.0 | 12.0 | 12.7 | 13.4 | 18.0 | 18.7 | 18.6 | 19.3 | 20.0 |
| x=4H y=8H | 11.4 | 12.0 | 12.1 | 12.7 | 13.5 | 18.2 | 18.8 | 18.9 | 19.5 | 20.2 |
| x=4H y=12H | 11.5 | 12.0 | 12.1 | 12.7 | 13.5 | 18.4 | 18.9 | 19.0 | 19.6 | 20.4 |
| x=8H y=4H | 11.4 | 12.0 | 12.0 | 12.6 | 13.4 | 17.4 | 18.0 | 18.0 | 18.6 | 19.4 |
| x=8H y=6H | 11.7 | 12.2 | 12.4 | 12.9 | 13.7 | 17.9 | 18.4 | 18.6 | 19.1 | 19.9 |
| x=8H y=8H | 11.8 | 12.3 | 12.5 | 13.0 | 13.8 | 18.2 | 18.6 | 18.9 | 19.3 | 20.1 |
| x=8H y=12H | 11.9 | 12.3 | 12.6 | 13.0 | 13.8 | 18.4 | 18.8 | 19.1 | 19.5 | 20.3 |
| x=12H y=4H | 11.4 | 11.9 | 12.1 | 12.6 | 13.4 | 17.3 | 17.9 | 18.0 | 18.6 | 19.3 |
| x=12H y=6H | 11.8 | 12.2 | 12.5 | 12.9 | 13.7 | 17.9 | 18.3 | 18.6 | 19.0 | 19.9 |
| x=12H y=8H | 11.9 | 12.3 | 12.6 | 13.0 | 13.8 | 18.1 | 18.5 | 18.9 | 19.2 | 20.1 |

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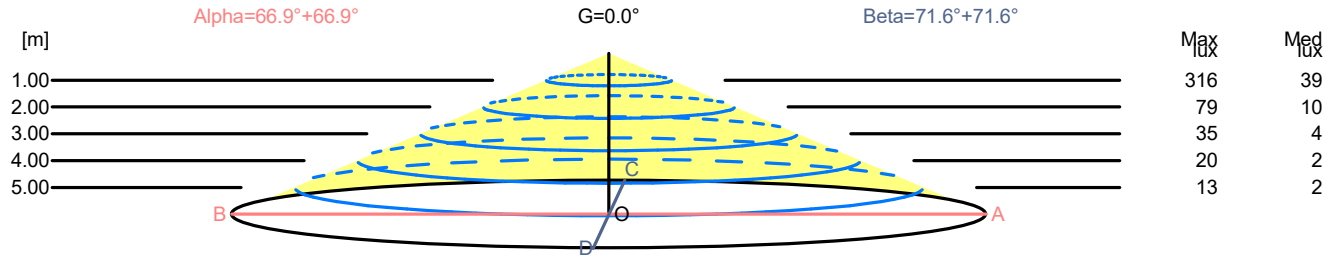
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1517 lm | Potencia Luminaria | 56.5 W | Eficacia | 26.839 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1517 lm | Valor Máximo | 380.61 cd | Posición | C=90.00 G=37.50 | CG | Bisimétrico |

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 | 2.34 | 4.69 | 7.03 | 9.38 | 11.72 | OC | 3.00 | 6.01 | 9.01 | 12.02 | 15.02 |
| OB | 2.34 | 4.69 | 7.03 | 9.38 | 11.72 | OD | 3.00 | 6.01 | 9.01 | 12.02 | 15.02 |

Intensidades Luminosas [ cd]

| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 308.56 | 305.30 | 283.99 | 267.35 | 264.52 | 253.93 | 222.96 | 167.46 | 98.76 | 31.57 |
| OB | 308.56 | 305.30 | 283.99 | 267.35 | 264.52 | 253.93 | 222.96 | 167.46 | 98.76 | 31.57 |
| OC | 308.56 | 317.41 | 332.56 | 358.12 | 379.40 | 362.95 | 300.32 | 215.09 | 122.98 | 48.96 |
| OD | 308.56 | 317.41 | 332.56 | 358.12 | 379.40 | 362.95 | 300.32 | 215.09 | 122.98 | 48.96 |




| H[m] | D[m] | Max lux | Med lux | Alpha=66.9°+66.9° G=0.0 |
|---|---|---|---|---|
| 1.00 | 4.69 | 316 | 39 | |
| 2.00 | 9.38 | 79 | 10 | |
| 3.00 | 14.07 | 35 | 4 | |
| 4.00 | 18.76 | 20 | 2 | |
| 5.00 | 23.45 | 13 | 2 | |

| H[m] | D[m] | Max lux | Med lux | Beta=71.6°+71.6° G=0.0 |
|---|---|---|---|---|
| 1.00 | 6.01 | 316 | 39 | |
| 2.00 | 12.02 | 79 | 10 | |
| 3.00 | 18.03 | 35 | 4 | |
| 4.00 | 24.04 | 20 | 2 | |
| 5.00 | 30.04 | 13 | 2 | |

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Flujo Total=1517.47 Flujo Luminaria=1517.47

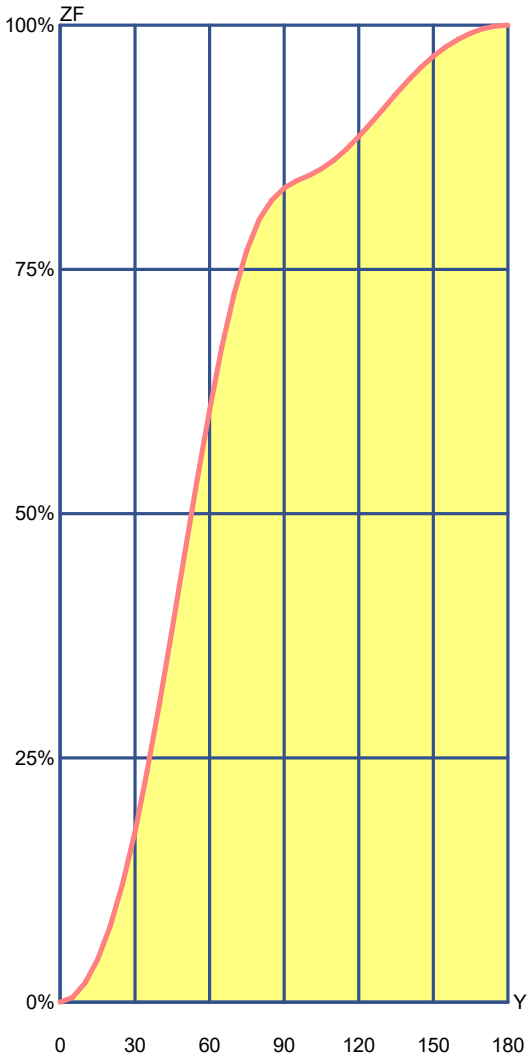
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.25 | 0.33 | 0.40 | 0.48 | 0.54 | 0.63 | 0.69 | 0.73 | 0.79 | 0.83 | 0.90 | 0.95 |
| RC | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

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) | 20 | 77 | 174 | 307 | 459 | 606 | 725 | 801 | 833 | 846 | 862 | 886 | 915 | 944 | 968 | 986 | 996 | 1000 |

Códigos de Flujo C.I.E.
39 73 93 83 100

| | | | |
|---|---|---|---|
| C.I.E. | 7/6/6/6/6/6/6/6/6/6/6 | LOR | 100.00000 % |
| D DIN 5040 | B21 | ULOR | 16.69214 % |
| F UTE | 0.83 G + 0.17 T | DLOR | 83.30786 % |
| B NBN | BZ 6 / 0.8 / BZ 5 | UFF | 16.69214 % |
| RN | 16.69214 % | DFF | 83.30786 % |
| BLF | 1.0 | FFR | 20.03670 % |




| Flujo Zonal | | | | |
|---|---|---|---|---|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 4.88 | 4.88 | 0.49 % | 0.49 % |
| 10° | 14.63 | 19.50 | 1.46 % | 1.95 % |
| 15° | 24.20 | 43.70 | 2.42 % | 4.37 % |
| 20° | 33.75 | 77.45 | 3.38 % | 7.75 % |
| 25° | 43.53 | 120.98 | 4.35 % | 12.10 % |
| 30° | 53.30 | 174.28 | 5.33 % | 17.43 % |
| 35° | 62.44 | 236.72 | 6.24 % | 23.67 % |
| 40° | 70.05 | 306.78 | 7.01 % | 30.68 % |
| 45° | 74.94 | 381.72 | 7.49 % | 38.17 % |
| 50° | 76.87 | 458.59 | 7.69 % | 45.86 % |
| 55° | 75.68 | 534.27 | 7.57 % | 53.43 % |
| 60° | 71.50 | 605.77 | 7.15 % | 60.58 % |
| 65° | 64.48 | 670.25 | 6.45 % | 67.02 % |
| 70° | 55.12 | 725.37 | 5.51 % | 72.54 % |
| 75° | 43.91 | 769.29 | 4.39 % | 76.93 % |
| 80° | 31.64 | 800.92 | 3.16 % | 80.09 % |
| 85° | 19.72 | 820.65 | 1.97 % | 82.06 % |
| 90° | 12.43 | 833.08 | 1.24 % | 83.31 % |
| 95° | 7.64 | 840.71 | 0.76 % | 84.07 % |
| 100° | 5.14 | 845.86 | 0.51 % | 84.59 % |
| 105° | 6.81 | 852.67 | 0.68 % | 85.27 % |
| 110° | 9.02 | 861.69 | 0.90 % | 86.17 % |
| 115° | 11.21 | 872.90 | 1.12 % | 87.29 % |
| 120° | 12.87 | 885.77 | 1.29 % | 88.58 % |
| 125° | 14.10 | 899.86 | 1.41 % | 89.99 % |
| 130° | 14.77 | 914.63 | 1.48 % | 91.46 % |
| 135° | 14.77 | 929.40 | 1.48 % | 92.94 % |
| 140° | 14.18 | 943.59 | 1.42 % | 94.36 % |
| 145° | 13.01 | 956.59 | 1.30 % | 95.66 % |
| 150° | 11.48 | 968.07 | 1.15 % | 96.81 % |
| 155° | 9.73 | 977.80 | 0.97 % | 97.78 % |
| 160° | 7.86 | 985.66 | 0.79 % | 98.57 % |
| 165° | 6.09 | 991.75 | 0.61 % | 99.18 % |
| 170° | 4.52 | 996.27 | 0.45 % | 99.63 % |
| 175° | 2.80 | 999.07 | 0.28 % | 99.91 % |
| 180° | 0.93 | 1000.00 | 0.09 % | 100.00 % |

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| Flujo Fuente | 1517 lm | Valor Máximo | 380.61 cd | Posición | C=90.00 G=37.50 | CG | Bisimétrico |

Isolux (Suelo)

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

