

| | | | | | |
|----------------------------|------------------------------|---------------------------|-------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |
| Luminaria Redonda | Diam. | 570 mm | Altura | 300 mm | |
| Área Luminosa Redonda | Diam. | 530 mm | Altura | 0 mm | |
| Área Luminosa Horizontal | 0.220618 m2 | | Área Emisión sobre Pl. 180° | 0.000000 m2 | |
| Área Emisión sobre Pl. 0° | 0.000000 m2 | | Área Emisión sobre Pl. 270° | 0.000000 m2 | |
| Área Emisión sobre Pl. 90° | 0.000000 m2 | | Área de deslumbramiento a 76° | 0.053372 m2 | |
| Tipo de Simetría | Bisimétrico | Máximo Ángulo Gamma | 90 | | |
| Distancia de Ensayo | 6.44 | Flujo de Ensayo | 3240.81 lm | | |
| Operador | Asselum T2 | Tensión de alimentación | 230.00 V | | |
| Temperatura | 20.00 °C | Corriente de alimentación | | | |
| Humedad | 56.00 % | Fotocélula | Prc | | |
| Notas | | | | | |

| Lámparas de la Luminaria | | | | | |
|--------------------------|------------------|-------------------------|------------|-------------|-------|
| Familia | Código | Nombre | Flujo [lm] | Pot. [W] | Cant. |
| - MARSET | SOHO 57 LED | Lámpara led 38.4W 3000K | 3240.81 | 38.00 | 1 |
| C.I.E. | 50 81 97 100 100 | D DIN 5040 | | | |
| F UTE | 1.00 E | B NBN | | A30 BZ 4 | |

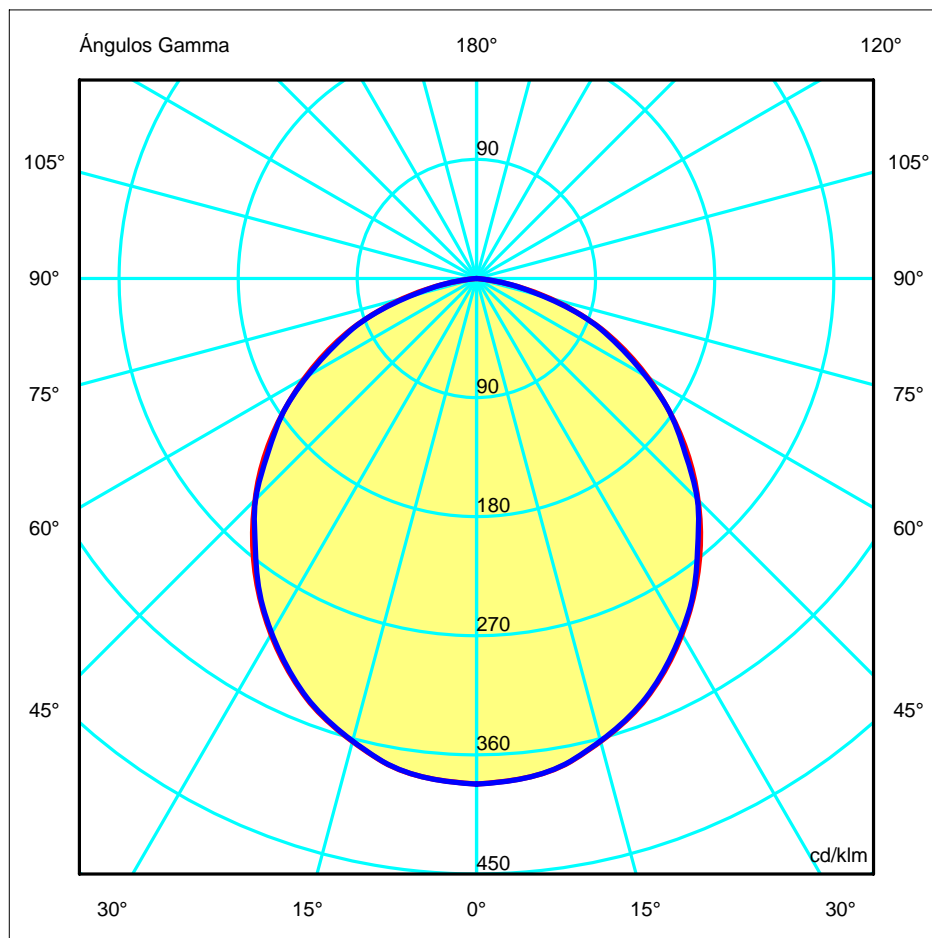
Diam=570mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

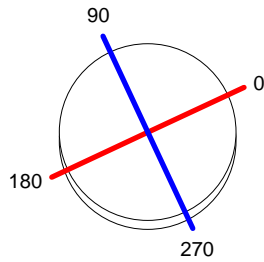
ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



| | | | | | | | |
|-------------------------------------|------------------------------|-------------------|------------------------------|----------------|-------------|---------|---------|
| Luminaria | | Ensayo | | Lámpara | | | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED | | |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 | | |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal | | |
| Rendimiento | 100.00% | Sist. de Coordin. | CG | Flujo Total | 3240.81 lm | | |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | | | |
| | | | | | | | |
| Tabla de Intensidad Luminosa cd/klm | | | | 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 | 381.98 | 381.98 | 381.98 | 381.98 | 381.98 | 381.98 | 381.98 |
| G 5.0 | 379.59 | 379.67 | 379.93 | 379.65 | 379.56 | 379.57 | 379.64 |
| G 10.0 | 373.89 | 373.76 | 374.38 | 373.45 | 373.68 | 373.61 | 373.68 |
| G 15.0 | 362.05 | 362.29 | 363.06 | 361.75 | 361.83 | 361.65 | 361.67 |
| G 20.0 | 348.90 | 348.88 | 349.94 | 348.67 | 348.31 | 348.34 | 348.24 |
| G 25.0 | 331.24 | 331.47 | 331.17 | 330.77 | 330.14 | 329.88 | 330.39 |
| G 30.0 | 310.54 | 310.48 | 311.98 | 309.65 | 309.64 | 309.31 | 309.42 |
| G 35.0 | 287.45 | 287.13 | 290.38 | 287.87 | 287.44 | 287.25 | 286.54 |
| G 40.0 | 263.27 | 261.19 | 263.59 | 260.56 | 260.99 | 260.15 | 260.22 |
| G 45.0 | 236.51 | 237.25 | 239.62 | 236.47 | 235.71 | 236.26 | 235.93 |
| G 50.0 | 209.18 | 209.09 | 210.80 | 207.99 | 207.03 | 206.10 | 205.94 |
| G 55.0 | 179.51 | 180.67 | 183.57 | 179.85 | 179.00 | 179.52 | 179.31 |
| G 60.0 | 149.29 | 149.96 | 151.75 | 149.51 | 146.89 | 147.43 | 147.73 |
| G 65.0 | 120.03 | 118.67 | 122.01 | 118.01 | 118.60 | 117.49 | 117.14 |
| G 70.0 | 89.17 | 89.94 | 93.18 | 88.50 | 88.15 | 88.92 | 88.50 |
| G 75.0 | 56.20 | 54.84 | 57.59 | 54.06 | 54.29 | 53.34 | 52.94 |
| G 80.0 | 25.74 | 26.12 | 29.56 | 26.04 | 25.48 | 25.69 | 25.78 |
| G 85.0 | 3.51 | 3.53 | 4.78 | 3.80 | 3.97 | 3.46 | 4.04 |
| G 90.0 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 |

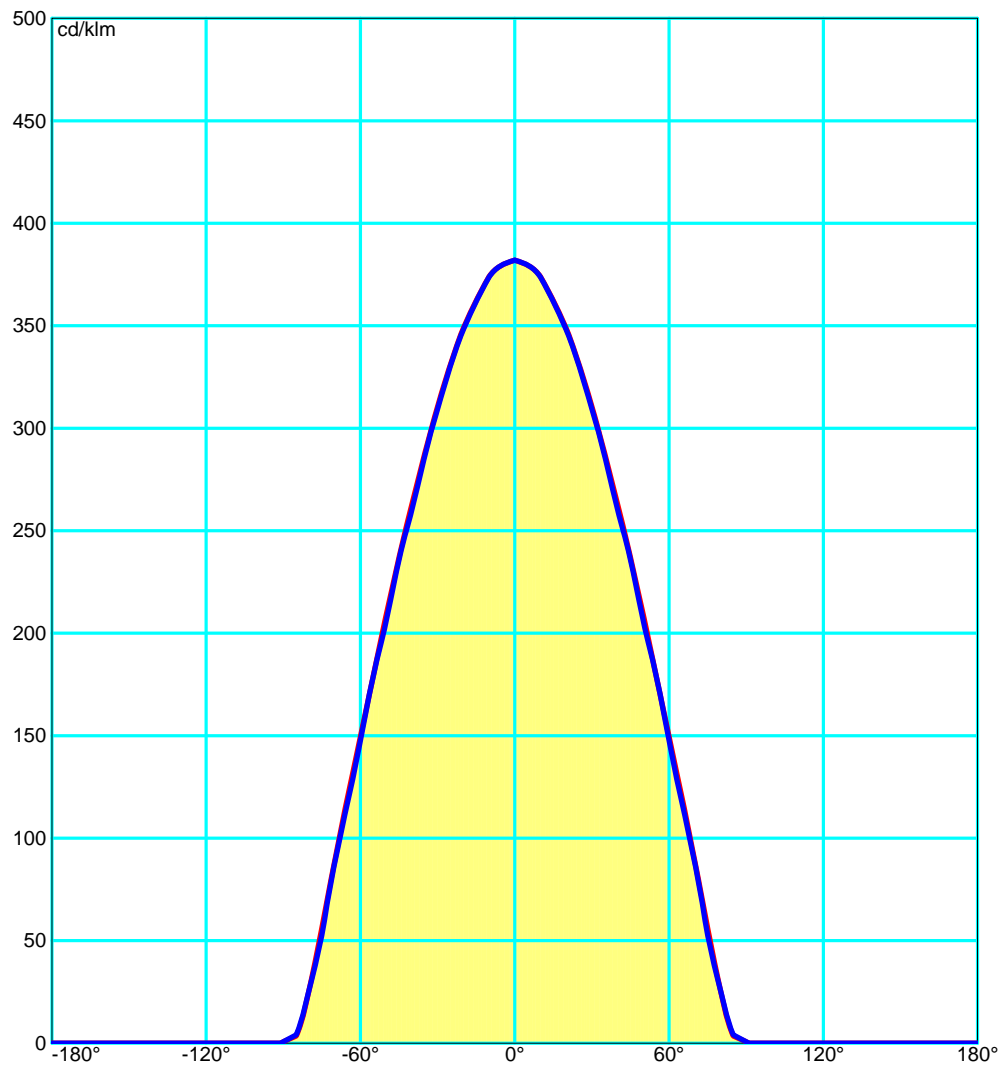
| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

Diam=570mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

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 | | | | | | | | | | |
| RoomDimensions | ViewedCrosswise | | | | | ViewedEndwise | | | | |
| x=2H y=2H | 17.8 | 19.0 | 18.1 | 19.3 | 19.4 | 17.7 | 18.9 | 18.0 | 19.2 | 19.4 |
| x=2H y=3H | 19.3 | 20.4 | 19.6 | 20.7 | 20.9 | 19.2 | 20.3 | 19.5 | 20.6 | 20.9 |
| x=2H y=4H | 19.8 | 20.9 | 20.1 | 21.1 | 21.3 | 19.7 | 20.8 | 20.0 | 21.0 | 21.3 |
| x=2H y=6H | 20.0 | 21.0 | 20.4 | 21.3 | 21.5 | 19.9 | 20.9 | 20.3 | 21.2 | 21.5 |
| x=2H y=8H | 20.0 | 21.0 | 20.4 | 21.3 | 21.6 | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 |
| x=2H y=12H | 20.0 | 21.0 | 20.4 | 21.3 | 21.5 | 19.9 | 20.9 | 20.3 | 21.2 | 21.5 |
| x=4H y=2H | 18.5 | 19.6 | 18.8 | 19.9 | 20.1 | 18.4 | 19.5 | 18.8 | 19.8 | 20.1 |
| x=4H y=3H | 20.2 | 21.1 | 20.6 | 21.5 | 21.7 | 20.1 | 21.0 | 20.5 | 21.3 | 21.7 |
| x=4H y=4H | 20.8 | 21.6 | 21.2 | 22.0 | 22.2 | 20.7 | 21.5 | 21.1 | 21.8 | 22.2 |
| x=4H y=6H | 21.1 | 21.8 | 21.5 | 22.2 | 22.5 | 21.0 | 21.7 | 21.4 | 22.1 | 22.5 |
| x=4H y=8H | 21.2 | 21.8 | 21.6 | 22.2 | 22.5 | 21.0 | 21.7 | 21.5 | 22.1 | 22.5 |
| x=4H y=12H | 21.2 | 21.8 | 21.6 | 22.2 | 22.5 | 21.0 | 21.6 | 21.5 | 22.0 | 22.5 |
| x=8H y=4H | 21.0 | 21.7 | 21.5 | 22.1 | 22.4 | 20.9 | 21.6 | 21.4 | 22.0 | 22.4 |
| x=8H y=6H | 21.5 | 22.0 | 21.9 | 22.4 | 22.7 | 21.3 | 21.8 | 21.8 | 22.3 | 22.7 |
| x=8H y=8H | 21.6 | 22.0 | 22.0 | 22.5 | 22.8 | 21.4 | 21.9 | 21.9 | 22.3 | 22.8 |
| x=8H y=12H | 21.6 | 22.0 | 22.0 | 22.4 | 22.8 | 21.4 | 21.8 | 21.9 | 22.3 | 22.8 |
| x=12H y=4H | 21.0 | 21.6 | 21.5 | 22.0 | 22.4 | 20.9 | 21.5 | 21.4 | 21.9 | 22.4 |
| x=12H y=6H | 21.5 | 21.9 | 22.0 | 22.4 | 22.7 | 21.3 | 21.8 | 21.8 | 22.2 | 22.7 |
| x=12H y=8H | 21.6 | 22.0 | 22.1 | 22.4 | 22.8 | 21.4 | 21.8 | 21.9 | 22.3 | 22.8 |

| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

Flujo Total=3240.81 Flujo Luminaria=3240.80

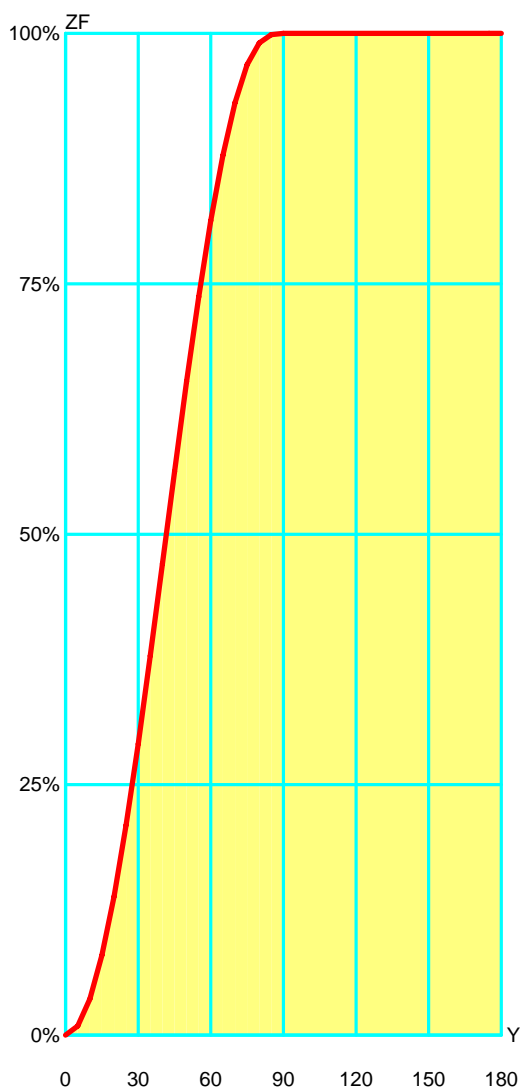
| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
| DRR | 0.32 | 0.41 | 0.48 | 0.56 | 0.61 | 0.70 | 0.76 | 0.80 | 0.85 | 0.87 | 0.94 | 0.97 |
| RC | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 |

| | | 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) | 36 | 138 | 291 | 470 | 653 | 813 | 931 | 991 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

Códigos de Flujo C.I.E.
50 81 97 100 100

| | |
|------------|---------------------|
| C.I.E. | 5/5/5/5/4/4/4/4/4/3 |
| D DIN 5040 | A30 |
| F UTE | 1.00 E |
| B NBN | BZ 4 |
| RN | 0.00000 % |
| BLF | 1.0 |

| | |
|------|-------------|
| LOR | 99.99978 % |
| ULOR | 0.00000 % |
| DLOR | 99.99978 % |
| UFF | 0.00000 % |
| DFF | 100.00000 % |
| FFR | 0.00000 % |

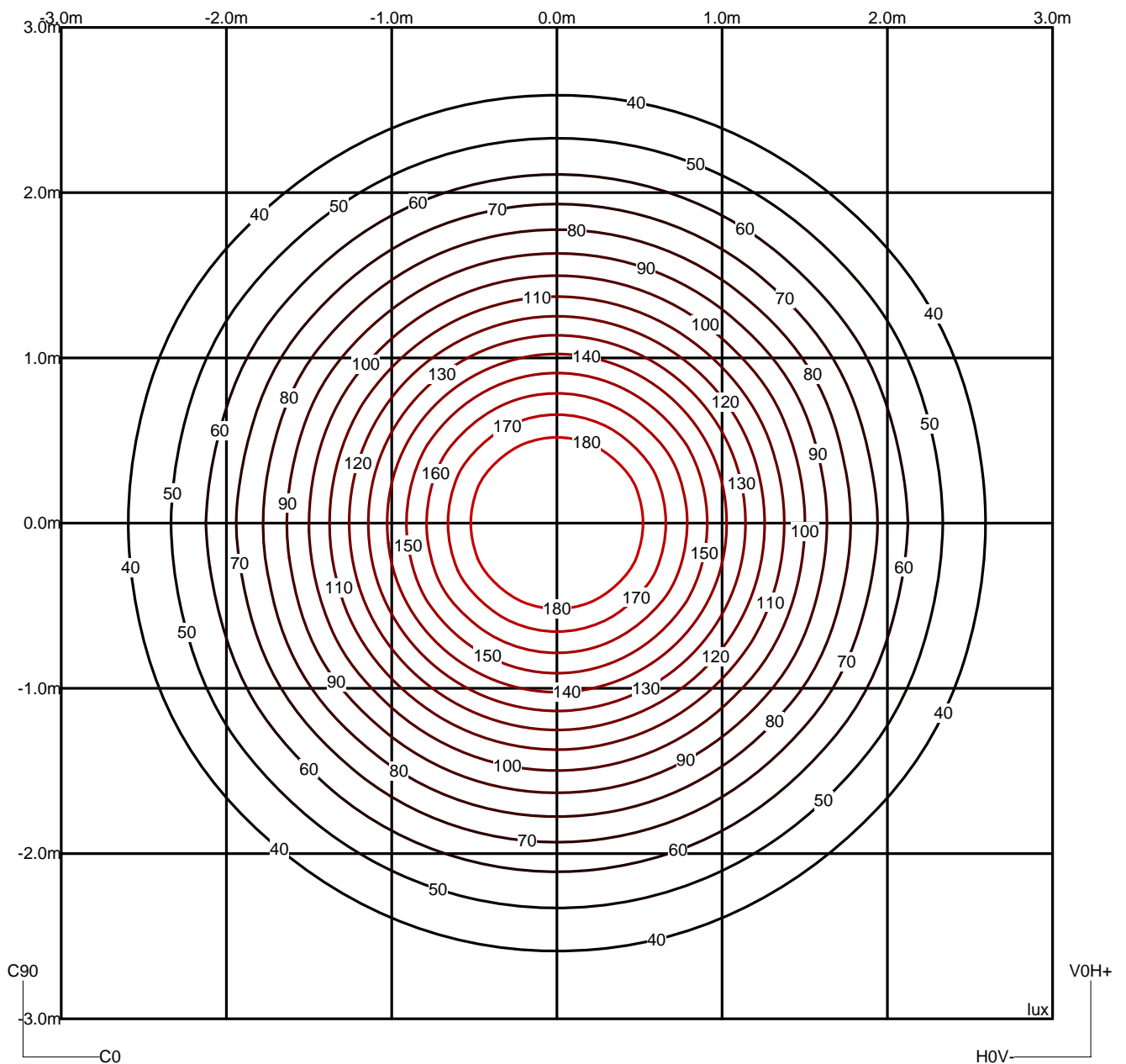


| Flujo Zonal | | | | |
|-------------|-------|---------|-----------|----------|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 9.11 | 9.11 | 0.91 % | 0.91 % |
| 10° | 26.95 | 36.06 | 2.70 % | 3.61 % |
| 15° | 43.65 | 79.71 | 4.37 % | 7.97 % |
| 20° | 58.58 | 138.29 | 5.86 % | 13.83 % |
| 25° | 71.27 | 209.56 | 7.13 % | 20.96 % |
| 30° | 81.10 | 290.66 | 8.11 % | 29.07 % |
| 35° | 88.06 | 378.73 | 8.81 % | 37.87 % |
| 40° | 91.63 | 470.36 | 9.16 % | 47.04 % |
| 45° | 92.26 | 562.62 | 9.23 % | 56.26 % |
| 50° | 89.92 | 652.54 | 8.99 % | 65.25 % |
| 55° | 84.46 | 737.00 | 8.45 % | 73.70 % |
| 60° | 76.13 | 813.13 | 7.61 % | 81.31 % |
| 65° | 65.13 | 878.26 | 6.51 % | 87.83 % |
| 70° | 52.79 | 931.04 | 5.28 % | 93.10 % |
| 75° | 37.74 | 968.78 | 3.77 % | 96.88 % |
| 80° | 21.73 | 990.51 | 2.17 % | 99.05 % |
| 85° | 8.24 | 998.76 | 0.82 % | 99.88 % |
| 90° | 1.24 | 1000.00 | 0.12 % | 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 % |

| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

Isolux (Suelo)

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



| | | | | | | | | | | | |
|------------------|------------------------------|--|--|-------------------|------------------------------|--|--|----------------|-------------|--|--|
| Luminaria | | | | Ensayo | | | | Lámpara | | | |
| Código | SOHO 57 LED | | | Código | SOHO 57 LED | | | Código | SOHO 57 LED | | |
| Nombre | SOHO 57 LED 38.4W 3000K opal | | | Nombre | SOHO 57 LED 38.4W 3000K opal | | | Número | 1 | | |
| Familia | - MARSET | | | Fecha | 29-04-2015 | | | Posición | Universal | | |
| Rendimiento | 100.00% | | | Sist. de Coorden. | CG | | | Flujo Total | 3240.81 lm | | |
| Valor Máximo | 381.98 cd/klm | | | Posición | C=0.00 G=0.00 | | | Bisimétrico | | | |

Utilización CIE

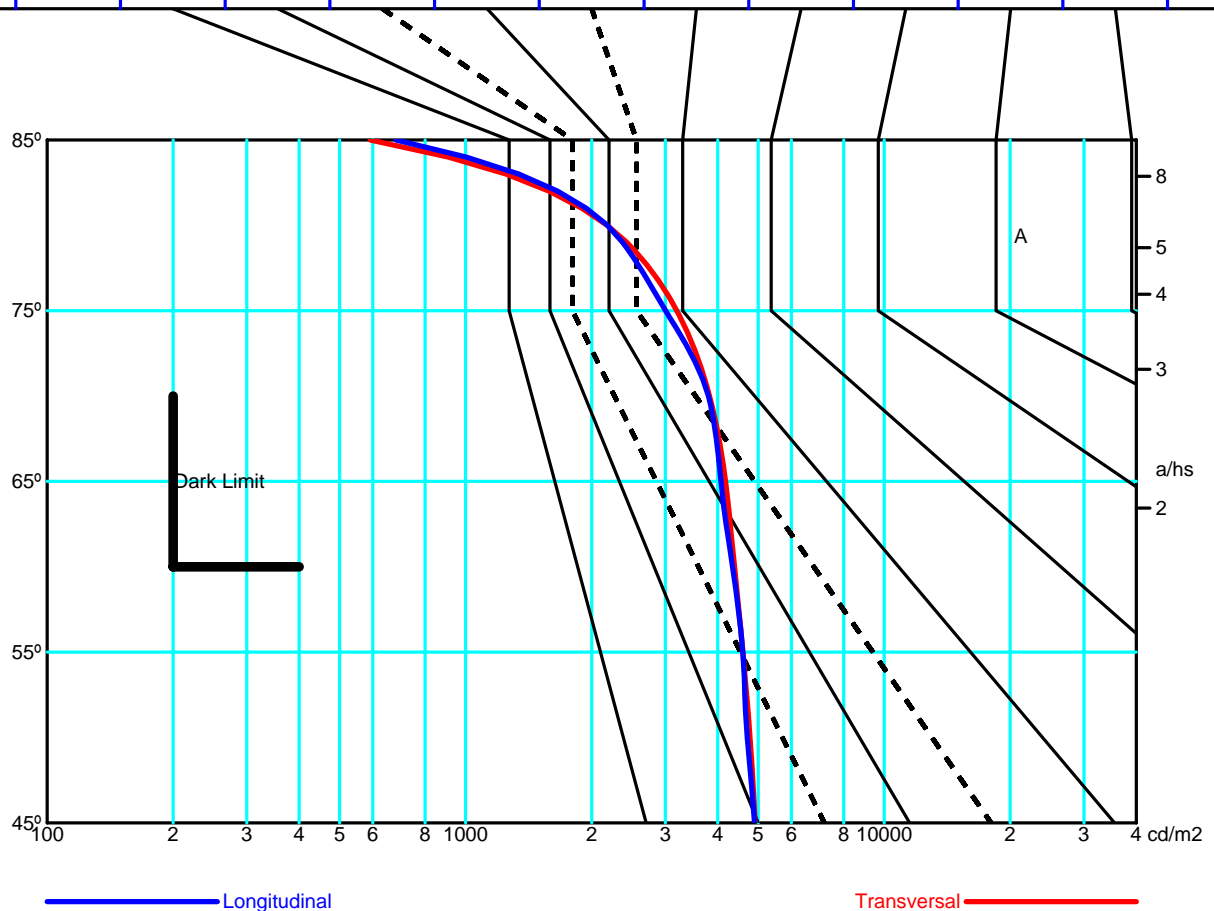
| Montaje | Directo | | | | Normalización | | | | Normalizados | | | | Raz. de Susp. 1/3 | | | | CIE Estándar | | | | | | | |
|---------|---------|------|------|------|---------------|------|------|------|--------------|------|------|------|-------------------|------|------|------|--------------|------|------|------|------|------|------|--|
| 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 | 215 | 193 | 168 | 152 | 184 | 145 | 111 | 94 | 86 | 73 | 46 | 35 | 17 | 12 | 68 | 37 | 33 | 14 | 11 | 31 | 12 | 10 | 0 | |
| 0.80 | 249 | 228 | 178 | 165 | 217 | 157 | 139 | 122 | 98 | 86 | 55 | 44 | 23 | 17 | 80 | 46 | 42 | 20 | 16 | 39 | 17 | 15 | 0 | |
| 1.00 | 271 | 252 | 180 | 168 | 240 | 161 | 162 | 145 | 104 | 94 | 62 | 51 | 29 | 23 | 88 | 53 | 49 | 25 | 22 | 46 | 22 | 20 | 0 | |
| 1.25 | 291 | 274 | 177 | 167 | 261 | 161 | 186 | 169 | 109 | 99 | 68 | 58 | 36 | 29 | 93 | 59 | 55 | 32 | 28 | 53 | 28 | 25 | 0 | |
| 1.50 | 305 | 290 | 172 | 165 | 276 | 158 | 205 | 188 | 111 | 103 | 73 | 64 | 42 | 35 | 97 | 64 | 60 | 37 | 33 | 58 | 34 | 31 | 0 | |
| 2.00 | 322 | 310 | 161 | 156 | 295 | 151 | 233 | 218 | 112 | 105 | 79 | 71 | 52 | 44 | 100 | 71 | 68 | 47 | 43 | 65 | 43 | 40 | 0 | |
| 2.50 | 334 | 323 | 153 | 149 | 309 | 144 | 254 | 240 | 111 | 106 | 83 | 76 | 59 | 52 | 101 | 76 | 73 | 54 | 50 | 70 | 50 | 47 | 0 | |
| 3.00 | 342 | 333 | 146 | 143 | 318 | 139 | 269 | 257 | 111 | 106 | 86 | 80 | 65 | 58 | 102 | 80 | 77 | 60 | 56 | 74 | 56 | 53 | 0 | |
| 4.00 | 353 | 346 | 138 | 136 | 331 | 132 | 291 | 281 | 110 | 107 | 91 | 86 | 73 | 67 | 103 | 85 | 83 | 69 | 65 | 80 | 65 | 61 | 0 | |
| 5.00 | 361 | 355 | 133 | 131 | 340 | 128 | 306 | 297 | 110 | 107 | 94 | 89 | 79 | 74 | 103 | 88 | 86 | 74 | 71 | 84 | 71 | 67 | 0 | |
| 10.00 | 377 | 373 | 121 | 120 | 358 | 118 | 340 | 334 | 109 | 108 | 100 | 98 | 92 | 88 | 104 | 96 | 95 | 88 | 86 | 92 | 85 | 82 | 0 | |
| 20.00 | 385 | 383 | 114 | 114 | 368 | 113 | 359 | 356 | 108 | 107 | 104 | 102 | 99 | 97 | 105 | 100 | 100 | 96 | 95 | 97 | 94 | 91 | 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 | 460 | 449 | 401 | 393 | 442 | 388 | 348 | 341 | 313 | 308 | 263 | 258 | 226 | 224 | 305 | 259 | 257 | 225 | 224 | 256 | 224 | 223 | 203 | |
| 0.80 | 516 | 504 | 435 | 428 | 495 | 422 | 403 | 393 | 352 | 346 | 302 | 297 | 264 | 262 | 342 | 297 | 295 | 263 | 261 | 293 | 261 | 260 | 236 | |
| 1.00 | 552 | 540 | 453 | 446 | 528 | 439 | 440 | 430 | 375 | 370 | 328 | 322 | 291 | 288 | 364 | 322 | 320 | 288 | 287 | 317 | 286 | 285 | 258 | |
| 1.25 | 582 | 571 | 464 | 458 | 557 | 451 | 475 | 464 | 394 | 389 | 350 | 344 | 315 | 311 | 382 | 343 | 341 | 311 | 309 | 338 | 309 | 307 | 277 | |
| 1.50 | 604 | 593 | 471 | 466 | 577 | 458 | 501 | 490 | 407 | 402 | 366 | 360 | 332 | 328 | 394 | 358 | 356 | 328 | 326 | 352 | 325 | 323 | 290 | |
| 2.00 | 622 | 613 | 466 | 462 | 594 | 455 | 529 | 518 | 413 | 409 | 379 | 373 | 349 | 345 | 400 | 370 | 368 | 344 | 342 | 363 | 340 | 336 | 300 | |
| 2.50 | 632 | 624 | 460 | 457 | 603 | 449 | 546 | 536 | 415 | 411 | 385 | 380 | 359 | 354 | 402 | 376 | 374 | 353 | 351 | 368 | 348 | 344 | 304 | |
| 3.00 | 636 | 629 | 452 | 450 | 607 | 442 | 557 | 547 | 413 | 409 | 387 | 382 | 364 | 359 | 400 | 377 | 375 | 357 | 354 | 369 | 351 | 346 | 305 | |
| 4.00 | 646 | 640 | 447 | 445 | 616 | 438 | 575 | 567 | 414 | 412 | 393 | 389 | 374 | 370 | 401 | 383 | 381 | 366 | 364 | 374 | 359 | 353 | 309 | |
| 5.00 | 654 | 648 | 444 | 443 | 623 | 435 | 588 | 581 | 416 | 414 | 398 | 395 | 382 | 378 | 403 | 388 | 386 | 373 | 371 | 378 | 366 | 359 | 313 | |
| 10.00 | 664 | 661 | 432 | 431 | 632 | 425 | 612 | 608 | 414 | 413 | 404 | 402 | 394 | 392 | 401 | 393 | 392 | 384 | 383 | 382 | 375 | 366 | 316 | |
| 20.00 | 653 | 651 | 409 | 408 | 621 | 402 | 610 | 607 | 396 | 396 | 391 | 390 | 386 | 384 | 384 | 379 | 379 | 375 | 374 | 368 | 364 | 354 | 301 | |
| 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 | 607 | 594 | 566 | 557 | 587 | 551 | 472 | 465 | 455 | 449 | 390 | 385 | 343 | 341 | 445 | 385 | 384 | 341 | 340 | 382 | 340 | 340 | 323 | |
| 0.80 | 715 | 701 | 659 | 650 | 689 | 642 | 575 | 565 | 549 | 542 | 482 | 477 | 433 | 430 | 536 | 476 | 474 | 430 | 429 | 472 | 429 | 427 | 410 | |
| 1.00 | 800 | 786 | 729 | 720 | 770 | 711 | 660 | 648 | 624 | 617 | 560 | 553 | 510 | 506 | 609 | 552 | 549 | 506 | 504 | 546 | 504 | 502 | 484 | |
| 1.25 | 880 | 865 | 793 | 785 | 846 | 774 | 742 | 729 | 695 | 688 | 635 | 627 | 586 | 581 | 678 | 625 | 622 | 581 | 579 | 617 | 577 | 574 | 558 | |
| 1.50 | 938 | 924 | 838 | 831 | 902 | 819 | 805 | 792 | 748 | 741 | 691 | 683 | 645 | 639 | 729 | 680 | 677 | 639 | 636 | 671 | 634 | 630 | 613 | |
| 2.00 | 1000 | 1000 | 902 | 896 | 984 | 884 | 901 | 887 | 826 | 820 | 777 | 769 | 736 | 729 | 806 | 764 | 761 | 728 | 724 | 753 | 721 | 715 | 700 | |
| 2.50 | 1000 | 1000 | 941 | 936 | 1000 | 924 | 964 | 951 | 875 | 869 | 833 | 826 | 796 | 789 | 854 | 818 | 815 | 786 | 783 | 806 | 778 | 771 | 757 | |
| 3.00 | 1000 | 1000 | 967 | 964 | 1000 | 951 | 1000 | 997 | 909 | 904 | 872 | 866 | 840 | 833 | 888 | 856 | 854 | 829 | 825 | 843 | 819 | 810 | 797 | |
| 4.00 | 1000 | 1000 | 998 | 996 | 1000 | 983 | 1000 | 1000 | 950 | 946 | 920 | 915 | 894 | 887 | 928 | 903 | 901 | 880 | 877 | 888 | 868 | 858 | 845 | |
| 5.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 975 | 971 | 950 | 945 | 927 | 921 | 953 | 932 | 930 | 912 | 909 | 915 | 899 | 887 | 875 | |
| 10.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 999 | 994 | 1000 | 991 | 990 | 980 | 978 | 973 | 963 | 948 | 937 | |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 998 | 980 | 970 | |

LM53 SHR C0-C180: 1.202 SHR C90-C270: 1.202 SHR Superficial: 1.325

| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

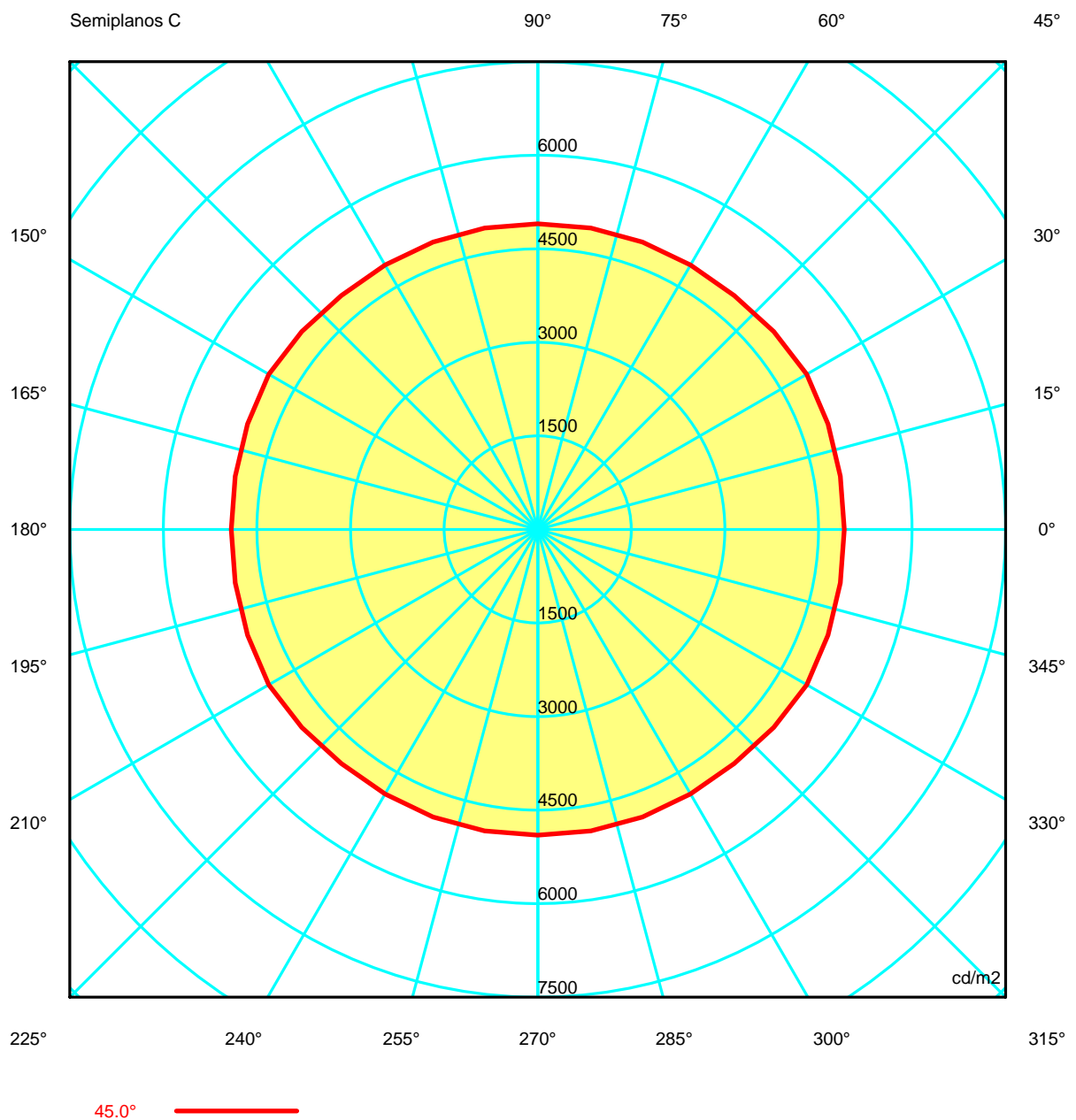
| Luminancia Media [cd/m ²] | | | | | | | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|-----|-----|
| 0.0° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | |
| 90.0° | 4913 | 4780 | 4597 | 4386 | 4172 | 3830 | 3190 | 2178 | 592 | --- |
| | 4901 | 4706 | 4592 | 4340 | 4072 | 3801 | 3005 | 2181 | 681 | --- |

| Flujo montado o vista longitudinal | | | | | | | | | | | | |
|------------------------------------|---|------------------|------|------|------|-----|------|------|------|------|------|------|
| | | Iluminancia (lx) | | | | | | | | | | |
| A | A | 2000 | 1000 | 750 | 500 | | <300 | | | | | 1.15 |
| B | 1 | | 2000 | 1500 | 1000 | 750 | 500 | <300 | | | | 1.5 |
| C | | | | | 2000 | | 1000 | 500 | <300 | | | 1.85 |
| D | 2 | | | | | | 2000 | 1000 | 500 | <300 | | 2.2 |
| E | 3 | | | | | | | 2000 | 1000 | 500 | <300 | 2.55 |



| | | | | | |
|------------------|------------------------------|-------------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

Luminancia



| | | | | | |
|------------------|------------------------------|---------------|------------------------------|----------------|-------------|
| Luminaria | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |

| | | | | | |
|--------------|---------------|-------------------|---------------|-------------|------------|
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

| | 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 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | |
| G 5.0 | 5597.39 | 5598.13 | 5600.07 | 5602.35 | 5599.94 | 5597.33 | 5596.89 | 5596.93 | 5597.32 | 5598.04 | 5597.32 | 5596.93 | 5596.89 | |
| G 10.0 | 5577.12 | 5573.91 | 5578.99 | 5584.42 | 5575.01 | 5571.61 | 5573.91 | 5573.20 | 5572.71 | 5573.97 | 5572.71 | 5573.20 | 5573.91 | |
| G 15.0 | 5505.95 | 5508.46 | 5515.16 | 5521.32 | 5508.08 | 5501.82 | 5502.61 | 5500.79 | 5499.39 | 5500.26 | 5499.39 | 5500.79 | 5502.61 | |
| G 20.0 | 5454.23 | 5451.29 | 5460.40 | 5470.37 | 5458.37 | 5446.15 | 5444.91 | 5445.47 | 5445.13 | 5443.91 | 5445.13 | 5445.47 | 5444.91 | |
| G 25.0 | 5368.85 | 5372.16 | 5371.64 | 5367.72 | 5363.73 | 5357.92 | 5350.93 | 5346.84 | 5348.58 | 5355.12 | 5348.58 | 5346.84 | 5350.93 | |
| G 30.0 | 5267.44 | 5262.18 | 5274.98 | 5291.93 | 5266.15 | 5252.29 | 5252.10 | 5249.02 | 5245.87 | 5248.47 | 5245.87 | 5249.02 | 5252.10 | |
| G 35.0 | 5154.79 | 5141.54 | 5170.01 | 5207.32 | 5181.14 | 5159.76 | 5154.54 | 5152.32 | 5147.52 | 5138.48 | 5147.52 | 5152.32 | 5154.54 | |
| G 40.0 | 5048.40 | 5010.06 | 5024.52 | 5054.62 | 5016.69 | 4999.21 | 5004.79 | 4994.01 | 4985.97 | 4989.99 | 4985.97 | 4994.01 | 5004.79 | |
| G 45.0 | 4913.25 | 4923.59 | 4949.88 | 4977.92 | 4937.75 | 4898.47 | 4896.77 | 4905.54 | 4907.88 | 4901.34 | 4907.88 | 4905.54 | 4896.77 | |
| G 50.0 | 4780.46 | 4772.02 | 4791.43 | 4817.38 | 4777.47 | 4740.12 | 4731.30 | 4716.88 | 4708.81 | 4706.26 | 4708.81 | 4716.88 | 4731.30 | |
| G 55.0 | 4597.49 | 4607.80 | 4659.25 | 4701.36 | 4642.70 | 4586.24 | 4584.30 | 4594.56 | 4597.79 | 4592.18 | 4597.79 | 4594.56 | 4584.30 | |
| G 60.0 | 4385.94 | 4393.02 | 4427.10 | 4458.31 | 4424.55 | 4359.54 | 4315.61 | 4321.53 | 4337.25 | 4340.30 | 4337.25 | 4321.53 | 4315.61 | |
| G 65.0 | 4172.03 | 4116.18 | 4168.37 | 4240.92 | 4150.17 | 4108.81 | 4122.48 | 4101.76 | 4079.64 | 4071.50 | 4079.64 | 4101.76 | 4122.48 | |
| G 70.0 | 3829.63 | 3851.80 | 3923.60 | 4002.15 | 3874.66 | 3796.19 | 3786.21 | 3813.64 | 3817.24 | 3801.01 | 3817.24 | 3813.64 | 3786.21 | |
| G 75.0 | 3189.75 | 3104.03 | 3171.00 | 3268.76 | 3138.97 | 3072.71 | 3081.54 | 3052.19 | 3012.76 | 3004.53 | 3012.76 | 3052.19 | 3081.54 | |
| G 80.0 | 2177.76 | 2199.06 | 2324.68 | 2500.93 | 2319.76 | 2187.30 | 2155.88 | 2171.24 | 2175.62 | 2180.95 | 2175.62 | 2171.24 | 2155.88 | |
| G 85.0 | 591.67 | 594.01 | 674.87 | 805.79 | 700.46 | 633.40 | 668.37 | 608.74 | 592.64 | 681.34 | 592.64 | 608.74 | 668.37 | |
| 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 | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

| | | 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 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | |
| G 5.0 | 5597.33 | 5599.94 | 5602.35 | 5600.07 | 5598.13 | 5597.39 | 5598.13 | 5600.07 | 5602.35 | 5599.94 | 5597.33 | 5596.89 | 5596.93 | |
| G 10.0 | 5571.61 | 5575.01 | 5584.42 | 5578.99 | 5573.91 | 5577.12 | 5573.91 | 5578.99 | 5584.42 | 5575.01 | 5571.61 | 5573.91 | 5573.20 | |
| G 15.0 | 5501.82 | 5508.08 | 5521.32 | 5515.16 | 5508.46 | 5505.95 | 5508.46 | 5515.16 | 5521.32 | 5508.08 | 5501.82 | 5502.61 | 5500.79 | |
| G 20.0 | 5446.15 | 5458.37 | 5470.37 | 5460.40 | 5451.29 | 5454.23 | 5451.29 | 5460.40 | 5470.37 | 5458.37 | 5446.15 | 5444.91 | 5445.47 | |
| G 25.0 | 5357.92 | 5363.73 | 5367.72 | 5371.64 | 5372.16 | 5368.85 | 5372.16 | 5371.64 | 5367.72 | 5363.73 | 5357.92 | 5350.93 | 5346.84 | |
| G 30.0 | 5252.29 | 5266.15 | 5291.93 | 5274.98 | 5262.18 | 5267.44 | 5262.18 | 5274.98 | 5291.93 | 5266.15 | 5252.29 | 5252.10 | 5249.02 | |
| G 35.0 | 5159.76 | 5181.14 | 5207.32 | 5170.01 | 5141.54 | 5154.79 | 5141.54 | 5170.01 | 5207.32 | 5181.14 | 5159.76 | 5154.54 | 5152.32 | |
| G 40.0 | 4999.21 | 5016.69 | 5054.62 | 5024.52 | 5010.06 | 5048.40 | 5010.06 | 5024.52 | 5054.62 | 5016.69 | 4999.21 | 5004.79 | 4994.01 | |
| G 45.0 | 4898.47 | 4937.75 | 4977.92 | 4949.88 | 4923.59 | 4913.25 | 4923.59 | 4949.88 | 4977.92 | 4937.75 | 4898.47 | 4896.77 | 4905.54 | |
| G 50.0 | 4740.12 | 4777.47 | 4817.38 | 4791.43 | 4772.02 | 4780.46 | 4772.02 | 4791.43 | 4817.38 | 4777.47 | 4740.12 | 4731.30 | 4716.88 | |
| G 55.0 | 4586.24 | 4642.70 | 4701.36 | 4659.25 | 4607.80 | 4597.49 | 4607.80 | 4659.25 | 4701.36 | 4642.70 | 4586.24 | 4584.30 | 4594.56 | |
| G 60.0 | 4359.54 | 4424.55 | 4458.31 | 4427.10 | 4393.02 | 4385.94 | 4393.02 | 4427.10 | 4458.31 | 4424.55 | 4359.54 | 4315.61 | 4321.53 | |
| G 65.0 | 4108.81 | 4150.17 | 4240.92 | 4168.37 | 4116.18 | 4172.03 | 4116.18 | 4168.37 | 4240.92 | 4150.17 | 4108.81 | 4122.48 | 4101.76 | |
| G 70.0 | 3796.19 | 3874.66 | 4002.15 | 3923.60 | 3851.80 | 3829.63 | 3851.80 | 3923.60 | 4002.15 | 3874.66 | 3796.19 | 3786.21 | 3813.64 | |
| G 75.0 | 3072.71 | 3138.97 | 3268.76 | 3171.00 | 3104.03 | 3189.75 | 3104.03 | 3171.00 | 3268.76 | 3138.97 | 3072.71 | 3081.54 | 3052.19 | |
| G 80.0 | 2187.30 | 2319.76 | 2500.93 | 2324.68 | 2199.06 | 2177.76 | 2199.06 | 2324.68 | 2500.93 | 2319.76 | 2187.30 | 2155.88 | 2171.24 | |
| G 85.0 | 633.40 | 700.46 | 805.79 | 674.87 | 594.01 | 591.67 | 594.01 | 674.87 | 805.79 | 700.46 | 633.40 | 668.37 | 608.74 | |
| 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 | | Ensayo | | Lámpara | |
| Código | SOHO 57 LED | Código | SOHO 57 LED | Código | SOHO 57 LED |
| Nombre | SOHO 57 LED 38.4W 3000K opal | Nombre | SOHO 57 LED 38.4W 3000K opal | Número | 1 |
| Familia | - MARSET | Fecha | 29-04-2015 | Posición | Universal |

| | | | | | |
|--------------|---------------|-------------------|---------------|-------------|------------|
| Rendimiento | 100.00% | Sist. de Coorden. | CG | Flujo Total | 3240.81 lm |
| Valor Máximo | 381.98 cd/klm | Posición | C=0.00 G=0.00 | Bisimétrico | |

| | | 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 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 | 5611.16 |
| G 5.0 | 5597.32 | 5598.04 | 5597.32 | 5596.93 | 5596.89 | 5597.33 | 5599.94 | 5602.35 | 5600.07 | 5598.13 | |
| G 10.0 | 5572.71 | 5573.97 | 5572.71 | 5573.20 | 5573.91 | 5571.61 | 5575.01 | 5584.42 | 5578.99 | 5573.91 | |
| G 15.0 | 5499.39 | 5500.26 | 5499.39 | 5500.79 | 5502.61 | 5501.82 | 5508.08 | 5521.32 | 5515.16 | 5508.46 | |
| G 20.0 | 5445.13 | 5443.91 | 5445.13 | 5445.47 | 5444.91 | 5446.15 | 5458.37 | 5470.37 | 5460.40 | 5451.29 | |
| G 25.0 | 5348.58 | 5355.12 | 5348.58 | 5346.84 | 5350.93 | 5357.92 | 5363.73 | 5367.72 | 5371.64 | 5372.16 | |
| G 30.0 | 5245.87 | 5248.47 | 5245.87 | 5249.02 | 5252.10 | 5252.29 | 5266.15 | 5291.93 | 5274.98 | 5262.18 | |
| G 35.0 | 5147.52 | 5138.48 | 5147.52 | 5152.32 | 5154.54 | 5159.76 | 5181.14 | 5207.32 | 5170.01 | 5141.54 | |
| G 40.0 | 4985.97 | 4989.99 | 4985.97 | 4994.01 | 5004.79 | 4999.21 | 5016.69 | 5054.62 | 5024.52 | 5010.06 | |
| G 45.0 | 4907.88 | 4901.34 | 4907.88 | 4905.54 | 4896.77 | 4898.47 | 4937.75 | 4977.92 | 4949.88 | 4923.59 | |
| G 50.0 | 4708.81 | 4706.26 | 4708.81 | 4716.88 | 4731.30 | 4740.12 | 4777.47 | 4817.38 | 4791.43 | 4772.02 | |
| G 55.0 | 4597.79 | 4592.18 | 4597.79 | 4594.56 | 4584.30 | 4586.24 | 4642.70 | 4701.36 | 4659.25 | 4607.80 | |
| G 60.0 | 4337.25 | 4340.30 | 4337.25 | 4321.53 | 4315.61 | 4359.54 | 4424.55 | 4458.31 | 4427.10 | 4393.02 | |
| G 65.0 | 4079.64 | 4071.50 | 4079.64 | 4101.76 | 4122.48 | 4108.81 | 4150.17 | 4240.92 | 4168.37 | 4116.18 | |
| G 70.0 | 3817.24 | 3801.01 | 3817.24 | 3813.64 | 3786.21 | 3796.19 | 3874.66 | 4002.15 | 3923.60 | 3851.80 | |
| G 75.0 | 3012.76 | 3004.53 | 3012.76 | 3052.19 | 3081.54 | 3072.71 | 3138.97 | 3268.76 | 3171.00 | 3104.03 | |
| G 80.0 | 2175.62 | 2180.95 | 2175.62 | 2171.24 | 2155.88 | 2187.30 | 2319.76 | 2500.93 | 2324.68 | 2199.06 | |
| G 85.0 | 592.64 | 681.34 | 592.64 | 608.74 | 668.37 | 633.40 | 700.46 | 805.79 | 674.87 | 594.01 | |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |