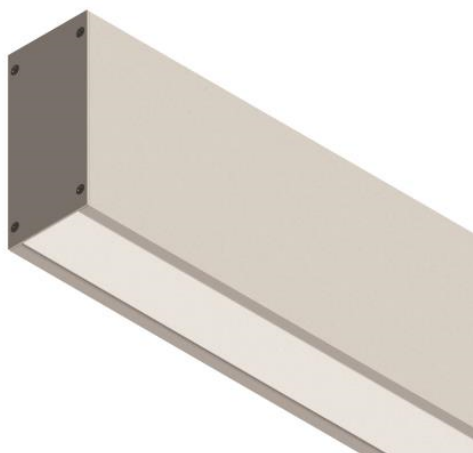


W110 SLED9007 BRANCA 2X FITA 15WM 2400K 95 - 1m



Luminária linear de sobrepor na parede com iluminação difusa. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 1464 lm/m

Potência – 31,7 W/m

Intensidade pico – 273cd

CCT – 2422K



IRC – 96,9

Coordenada CIE 1931 – x- 0,490 y- 0,423

A x L - 96x46

Peso - 1,43kg/m

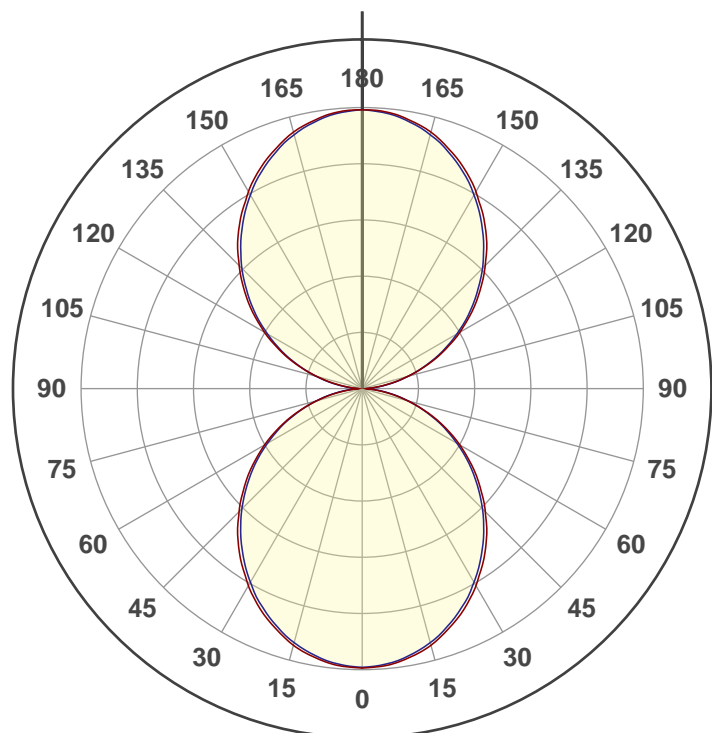
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

05/04/2022 14:27:07



Facho de abertura

360°

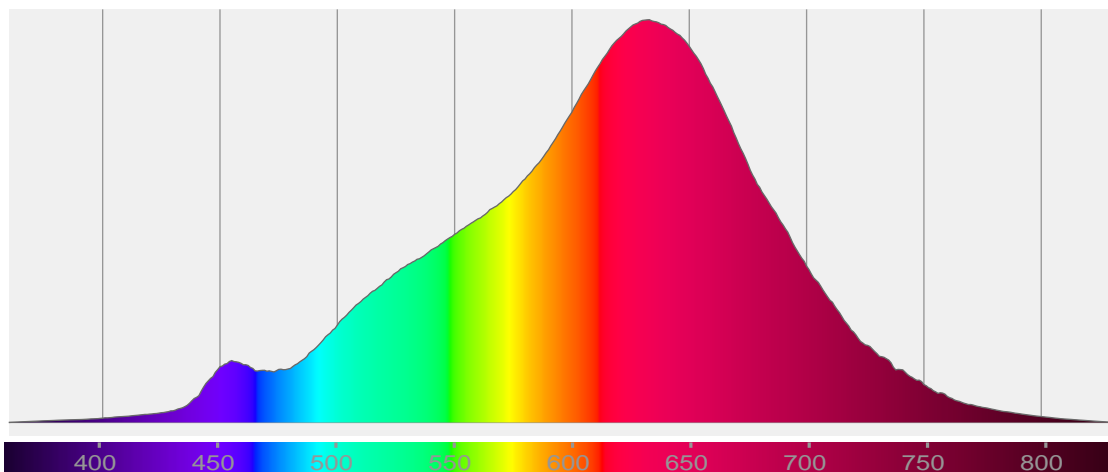
Rf 94,1

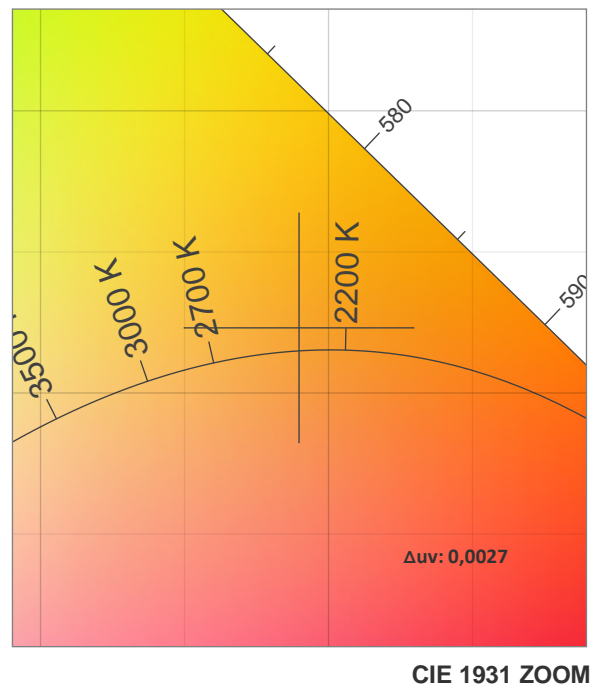
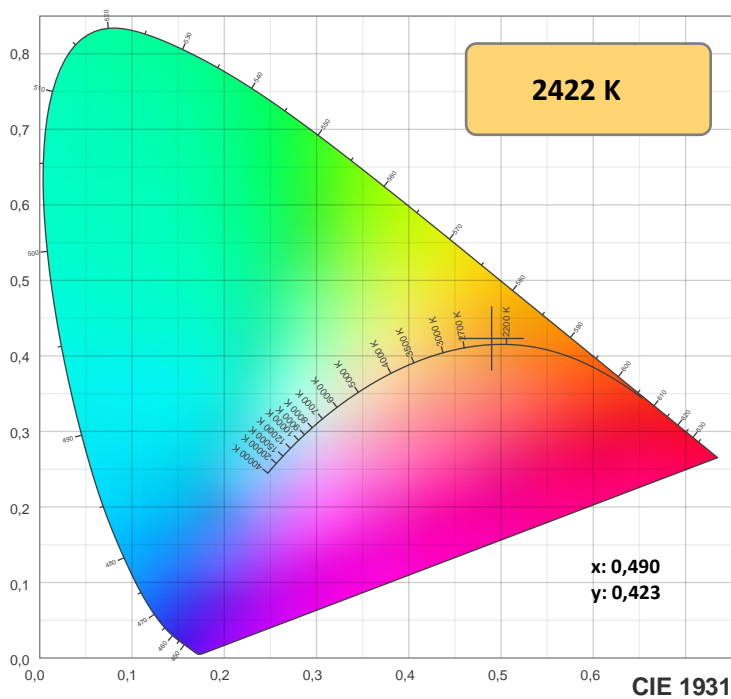
Fidelity index Rf

Rg 97,0

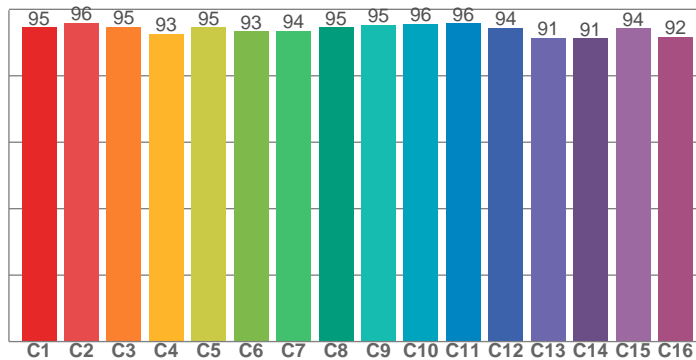
Gamut index Rg

| | | Shifts (%) | |
|---------|----------------|------------|-----|
| Hue Bin | R _f | Chroma | Hue |
| 1 | 95 | -2% | 1% |
| 2 | 96 | -2% | 0% |
| 3 | 95 | -2% | -1% |
| 4 | 93 | -5% | -2% |
| 5 | 95 | -5% | 1% |
| 6 | 93 | -2% | 4% |
| 7 | 94 | -3% | 3% |
| 8 | 95 | 0% | 4% |
| 9 | 95 | 0% | 3% |
| 10 | 96 | 0% | 3% |
| 11 | 96 | 2% | 2% |
| 12 | 94 | 2% | -2% |
| 13 | 91 | 0% | -8% |
| 14 | 91 | 0% | -6% |
| 15 | 94 | -3% | -1% |
| 16 | 92 | -3% | -5% |

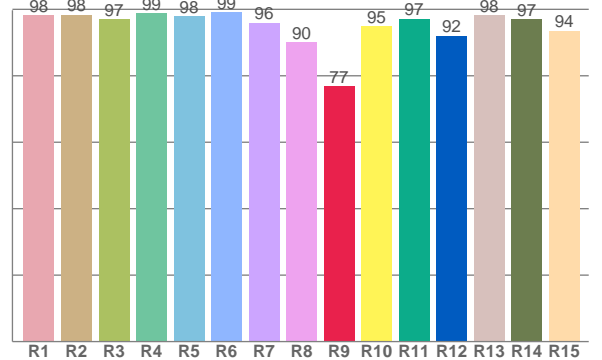




TM-30: 94,1



CRI: 96,9 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,1 | 98,3 | 96,9 | 98,8 | 97,9 | 99,1 | 95,9 | 90,2 | 76,9 | 95,0 | 97,1 | 92,0 | 98,3 | 97,0 | 93,5 |

TM30 valores C. 16 valores extraídos dos 99.

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,5 | 95,9 | 94,8 | 92,5 | 94,6 | 93,4 | 93,5 | 94,5 | 95,3 | 95,6 | 95,8 | 94,4 | 91,4 | 91,2 | 94,3 | 91,8 |

Parametros de cor

| Temperatura de cor | Índice de reprodução de cor | Reprodução de cor vermelho R9 | Color fidelity | Color gamut | Color quality scale | Coordenada de cor cie 1931 | Coordenada de cor cie 1931 | Coordenada de cor | Coordenada de cor | Color deviation from black body |
|--------------------|-----------------------------|-------------------------------|----------------|-------------|---------------------|----------------------------|----------------------------|-------------------|-------------------|---------------------------------|
| CCT | IRC | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 2422 K | 96,9 | 76,9 | 94,1 | 97,0 | 88,5 | 0,490 | 0,423 | 0,276 | 0,358 | 0,0027 |

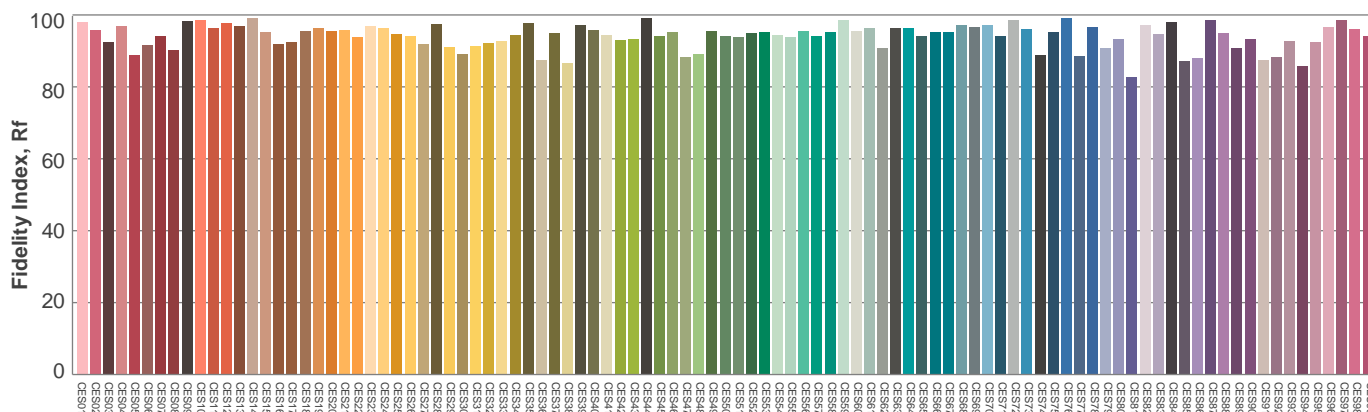
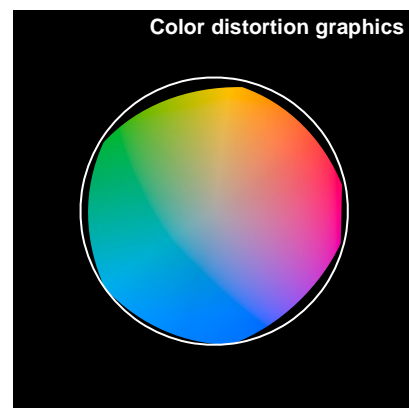
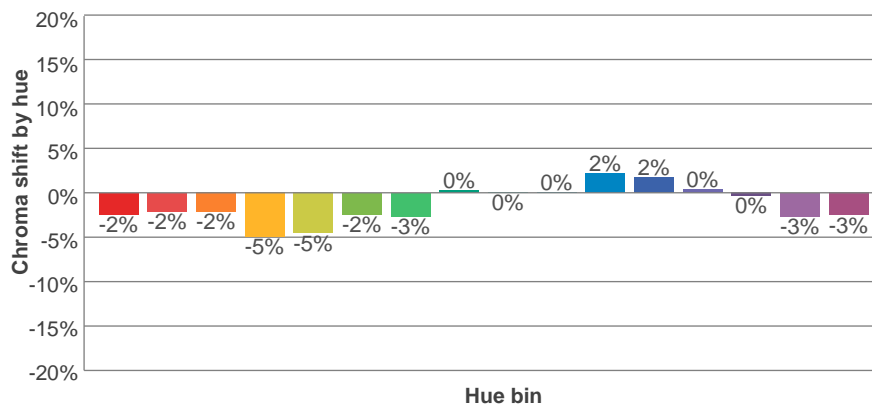
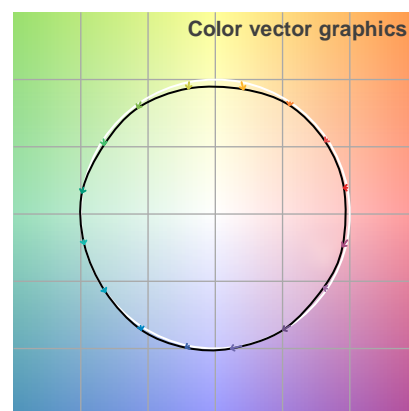
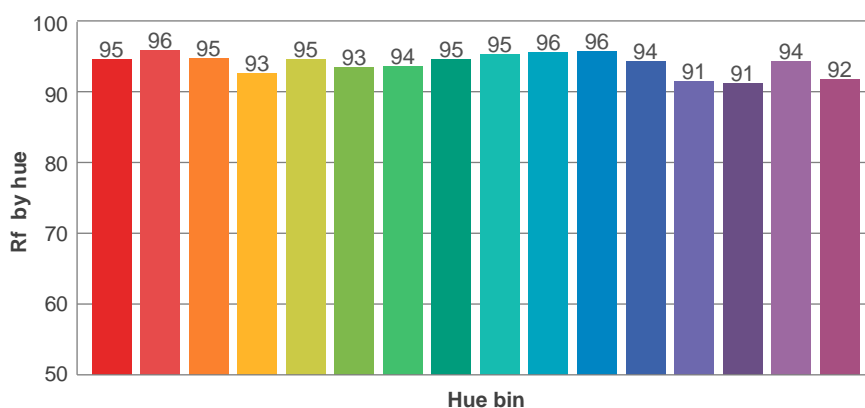
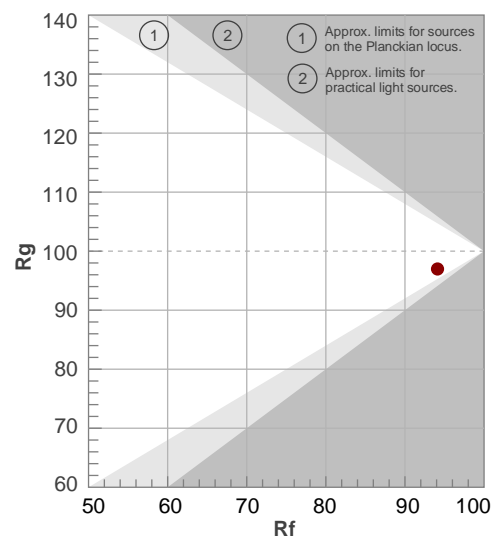
Rf 94,1

Fidelity index Rf

Rg 97,0

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -2% | 1% |
| 2 | 96 | -2% | 0% |
| 3 | 95 | -2% | -1% |
| 4 | 93 | -5% | -2% |
| 5 | 95 | -5% | 1% |
| 6 | 93 | -2% | 4% |
| 7 | 94 | -3% | 3% |
| 8 | 95 | 0% | 4% |
| 9 | 95 | 0% | 3% |
| 10 | 96 | 0% | 3% |
| 11 | 96 | 2% | 2% |
| 12 | 94 | 2% | -2% |
| 13 | 91 | 0% | -8% |
| 14 | 91 | 0% | -6% |
| 15 | 94 | -3% | -1% |
| 16 | 92 | -3% | -5% |



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

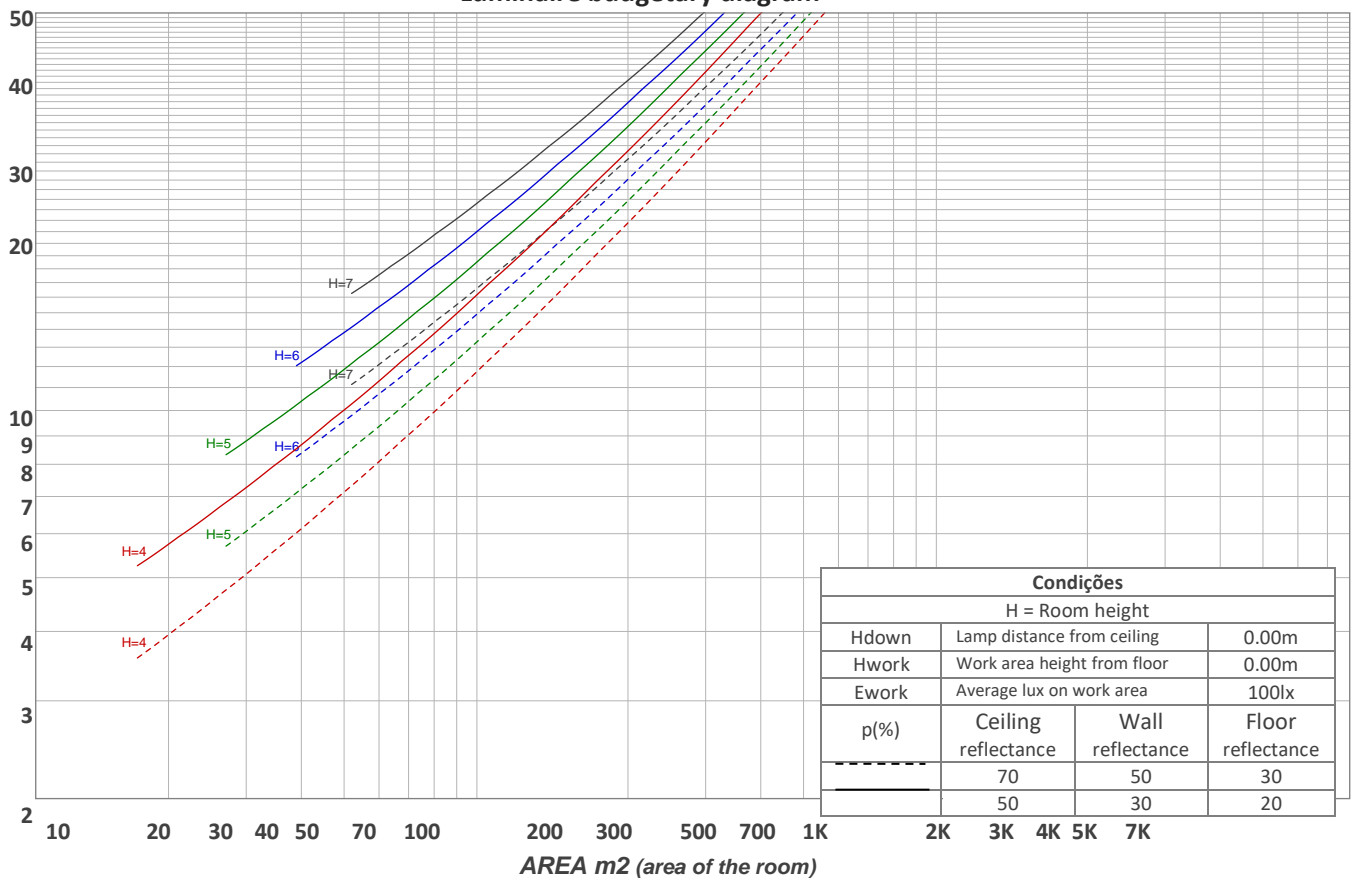
| | | | | | | | | | | | |
|--|-----|--|------|------|------|------|---|------|------|------|------|
| p Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| p Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| p Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room size X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 16,0 | 16,8 | 16,9 | 17,6 | 18,8 | 15,9 | 16,7 | 16,8 | 17,5 | 18,7 |
| | 3H | 17,4 | 18,1 | 18,3 | 19,0 | 20,1 | 17,3 | 18,0 | 18,2 | 18,9 | 20,0 |
| | 4H | 17,9 | 18,6 | 18,9 | 19,5 | 20,6 | 17,8 | 18,5 | 18,8 | 19,4 | 20,5 |
| | 6H | 18,3 | 18,9 | 19,2 | 19,8 | 20,9 | 18,2 | 18,8 | 19,2 | 19,8 | 20,9 |
| | 8H | 18,4 | 19,0 | 19,3 | 19,9 | 21,0 | 18,4 | 19,0 | 19,3 | 19,9 | 21,0 |
| | 12H | 18,4 | 19,1 | 19,3 | 19,9 | 21,1 | 18,4 | 19,2 | 19,4 | 20,0 | 21,1 |
| 4H | 2H | 16,5 | 17,2 | 17,4 | 18,1 | 19,2 | 16,4 | 17,1 | 17,3 | 18,0 | 19,1 |
| | 3H | 18,1 | 18,8 | 19,0 | 19,6 | 20,7 | 18,0 | 18,8 | 18,9 | 19,5 | 20,7 |
| | 4H | 18,7 | 19,7 | 19,6 | 20,2 | 21,4 | 18,6 | 19,6 | 19,6 | 20,2 | 21,3 |
| | 6H | 19,1 | 19,7 | 20,1 | 20,5 | 21,7 | 19,1 | 19,7 | 20,1 | 20,6 | 21,7 |
| | 8H | 19,2 | 19,7 | 20,2 | 20,6 | 21,7 | 19,3 | 19,7 | 20,3 | 20,7 | 21,8 |
| | 12H | 19,3 | 19,6 | 20,3 | 20,6 | 21,8 | 19,4 | 19,8 | 20,4 | 20,8 | 21,9 |
| 8H | 4H | 18,9 | 19,3 | 19,8 | 20,2 | 21,4 | 18,8 | 19,2 | 19,8 | 20,2 | 21,3 |
| | 6H | 19,5 | 19,7 | 20,4 | 20,8 | 21,9 | 19,5 | 19,8 | 20,5 | 20,8 | 22,0 |
| | 8H | 19,6 | 19,9 | 20,6 | 20,9 | 22,1 | 19,8 | 20,0 | 20,8 | 21,1 | 22,3 |
| | 12H | 19,7 | 20,0 | 20,8 | 21,0 | 22,1 | 19,9 | 20,2 | 21,0 | 21,2 | 22,4 |
| 12H | 4H | 18,8 | 19,2 | 19,8 | 20,2 | 21,3 | 18,8 | 19,1 | 19,8 | 20,1 | 21,3 |
| | 6H | 19,5 | 19,7 | 20,5 | 20,8 | 22,0 | 19,5 | 19,8 | 20,5 | 20,8 | 22,0 |
| | 8H | 19,7 | 19,9 | 20,7 | 21,0 | 22,1 | 19,8 | 20,0 | 20,9 | 21,1 | 22,2 |
| Variation of the observer position for the luminaire distance S | | | | | | | | | | | |
| S = 1.0H | | 0,1 / -0,1 | | | | | 0,1 / -0,1 | | | | |
| S = 1.5H | | 0,2 / -0,3 | | | | | 0,1 / -0,2 | | | | |
| S = 2.0H | | 0,4 / -0,5 | | | | | 0,4 / -0,5 | | | | |
| Standard table | | n/a | | | | | n/a | | | | |
| Correction summand | | n/a | | | | | n/a | | | | |
| Corrected glare indices referring to 1464 lm total luminous flux | | | | | | | | | | | |

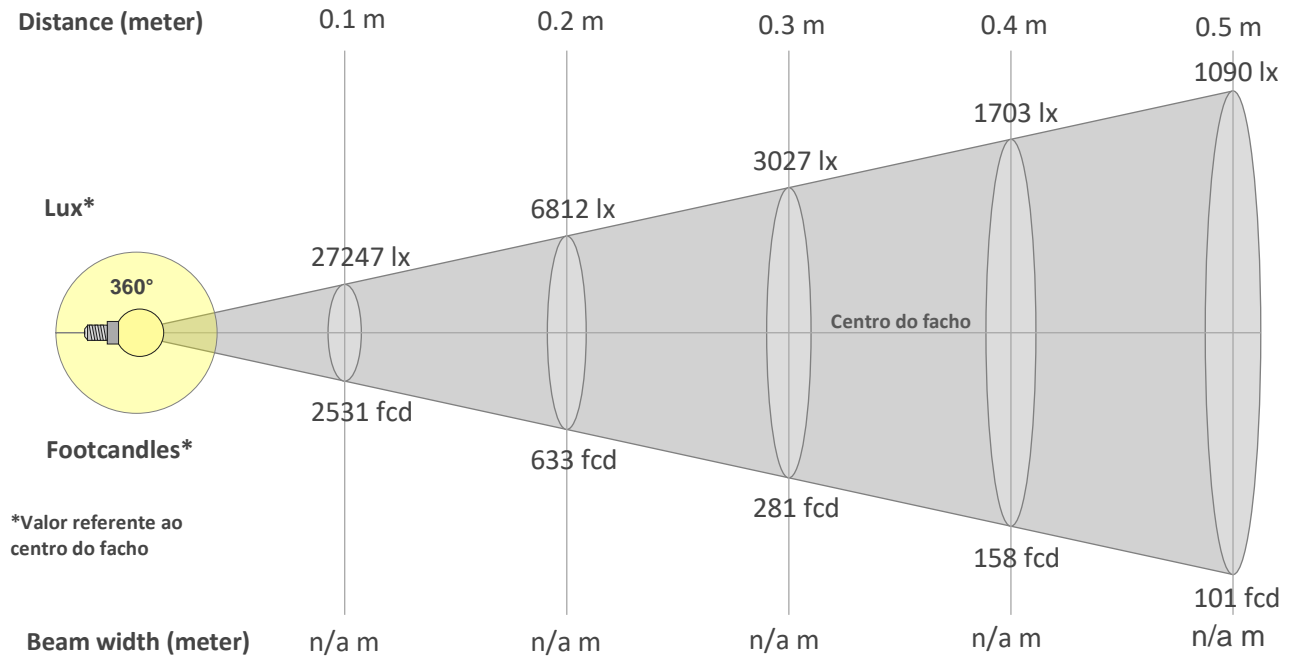
Coeficiente de utilização

| Ceiling reflectance | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---------------------|--|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Wall reflectance | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| Floor reflectance | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| RCR | (RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 73 | 70 | 68 | 61 | 59 | 57 | 49 | 48 | 47 | 42 |
| 2 | 89 | 81 | 75 | 70 | 82 | 75 | 70 | 65 | 64 | 60 | 56 | 53 | 50 | 48 | 43 | 41 | 40 | 35 |
| 3 | 81 | 71 | 64 | 58 | 74 | 66 | 60 | 54 | 56 | 51 | 47 | 47 | 43 | 40 | 38 | 36 | 34 | 29 |
| 4 | 74 | 63 | 55 | 49 | 68 | 59 | 52 | 46 | 50 | 44 | 40 | 42 | 38 | 34 | 34 | 31 | 29 | 25 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 39 | 45 | 39 | 35 | 37 | 33 | 30 | 31 | 28 | 25 | 22 |
| 6 | 63 | 50 | 42 | 36 | 57 | 47 | 40 | 34 | 40 | 34 | 30 | 34 | 29 | 26 | 28 | 25 | 22 | 19 |
| 7 | 58 | 45 | 37 | 32 | 53 | 42 | 35 | 30 | 36 | 31 | 26 | 31 | 26 | 23 | 25 | 22 | 20 | 17 |
| 8 | 54 | 41 | 33 | 28 | 49 | 38 | 31 | 27 | 33 | 28 | 24 | 28 | 24 | 20 | 23 | 20 | 18 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 16 | 14 |
| 10 | 47 | 35 | 27 | 22 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |

Quantidade de luminárias

Luminaire budgetary diagram





Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 19,7ft | 23ft | 26,2ft | 29,5ft | 32,8ft | 36,1ft | 39,4ft | 42,7ft | 45,9ft | 49,2ft | 52,5ft | 55,8ft | 59,1ft | 62,3ft | 65,6ft |
| 272lx | 68lx | 30lx | 17lx | 11lx | 8lx | 6lx | 4lx | 3lx | 3lx | 2lx | 2lx | 2lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx | 1lx |
| 25,3fcd | 6,3fcd | 2,8fcd | 1,6fcd | 1fcd | 0,7fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd |

Intensities in 0° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 272 | 267 | 253 | 231 | 203 | 170 | 135 | 97 | 59 | 23 | 4 | 23 | 59 | 97 | 135 | 170 | 203 | 231 | 253 | 267 |
| 100% | 98% | 93% | 85% | 74% | 62% | 49% | 36% | 22% | 8% | 1% | 8% | 22% | 36% | 49% | 62% | 74% | 85% | 93% | 98% |

Intensities in 90° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 272 | 266 | 250 | 228 | 198 | 166 | 131 | 95 | 58 | 24 | 5 | 24 | 58 | 95 | 131 | 166 | 198 | 228 | 251 | 266 |
| 100% | 98% | 92% | 84% | 73% | 61% | 48% | 35% | 21% | 9% | 2% | 9% | 21% | 35% | 48% | 61% | 73% | 84% | 92% | 98% |

Intensities in 180° c-plane

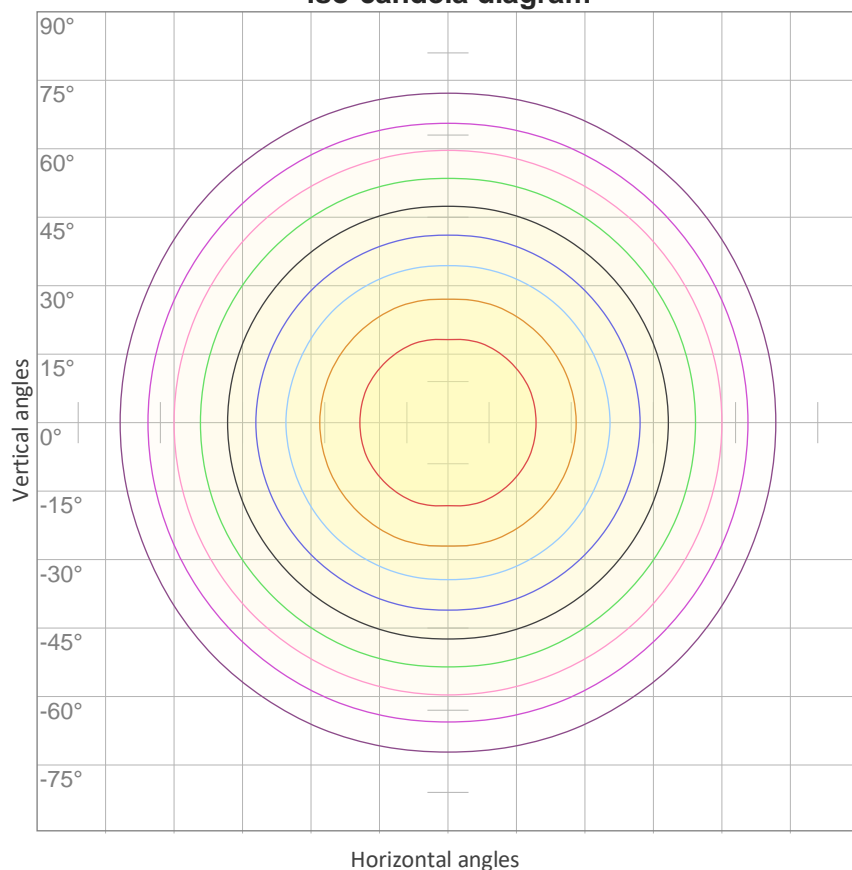
| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 272 | 267 | 253 | 231 | 203 | 170 | 135 | 97 | 59 | 23 | 4 | 23 | 59 | 97 | 135 | 170 | 203 | 231 | 253 | 267 |
| 100% | 98% | 93% | 85% | 74% | 62% | 49% | 36% | 22% | 8% | 1% | 8% | 22% | 36% | 49% | 62% | 74% | 85% | 93% | 98% |

Intensities in 270° c-plane

| 0° | 9° | 18° | 27° | 36° | 45° | 54° | 63° | 72° | 81° | 90° | 99° | 108° | 117° | 126° | 135° | 144° | 153° | 162° | 171° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 272 | 266 | 250 | 228 | 198 | 166 | 131 | 95 | 58 | 24 | 5 | 24 | 58 | 95 | 131 | 166 | 198 | 228 | 251 | 266 |
| 100% | 98% | 92% | 84% | 73% | 61% | 48% | 35% | 21% | 9% | 2% | 9% | 21% | 35% | 48% | 61% | 73% | 84% | 92% | 98% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 360° | 360° | 360° | 39,6% | 27,3% |

iso-candela diagram



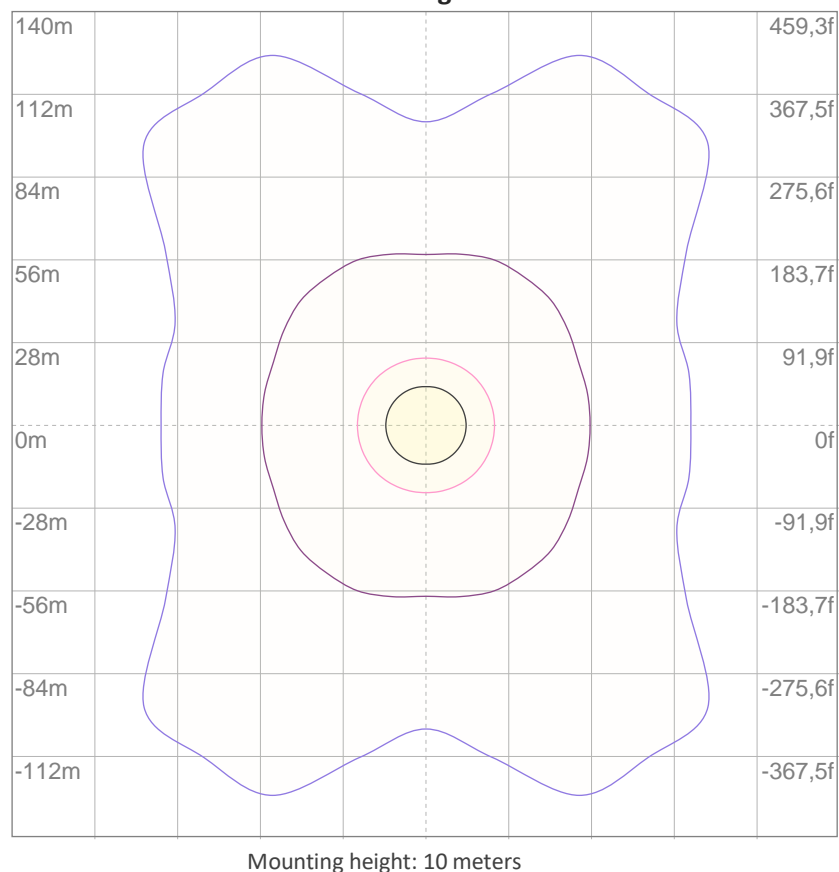
| | |
|-----|--------|
| 10% | 27 cd |
| 20% | 54 cd |
| 30% | 82 cd |
| 40% | 109 cd |
| 50% | 136 cd |
| 60% | 163 cd |
| 70% | 191 cd |
| 80% | 218 cd |
| 90% | 245 cd |

Conditions:

Number of c-planes: 16

Candela at center: 272 cd

iso-lux diagram



| | |
|-----|----------|
| 3% | 81,7m lx |
| 5% | 0,136 lx |
| 10% | 0,272 lx |
| 30% | 0,817 lx |
| 50% | 1,36 lx |

Conditions:

Number of c-planes: 16

Lux at center: 2,72 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Potência

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Vttagem: 12,0 V

Corrente: 2,64 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a