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LumCAT:

Luminaire: led line perfil 12V c lp 2.5W

LampCAT: modulo led 5W/m 12Vdc 30K irc 90 ip65

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.8700

Test No:

Current(A): 0.0410

Number of Lamps: 1

Power (W): 4.7000

Lamp flux(lm): 272.0

PF: 0.8870

Length(mm): 500

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 160.36, Efficiency(%): 58.96% , Luminous Efficacy(lm/W): 34.12

Central intensity(cd): 51.514, Maximum intensity(cd): 51.520

Angle of maximum intensity: C=0.0 γ =1.0

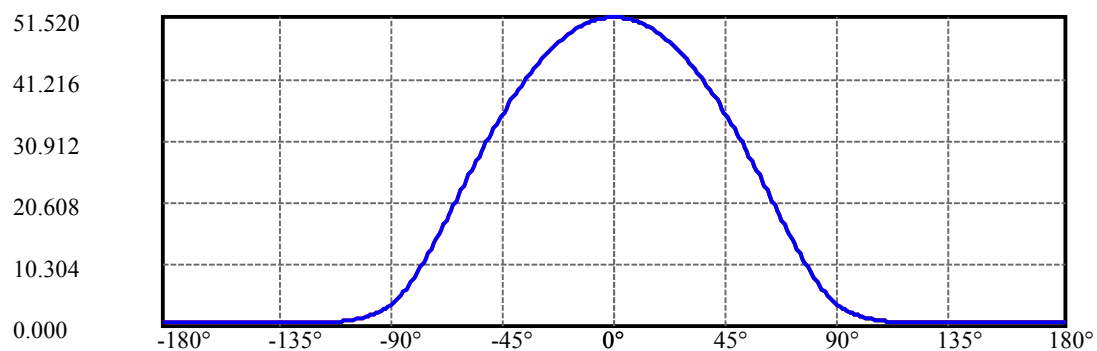
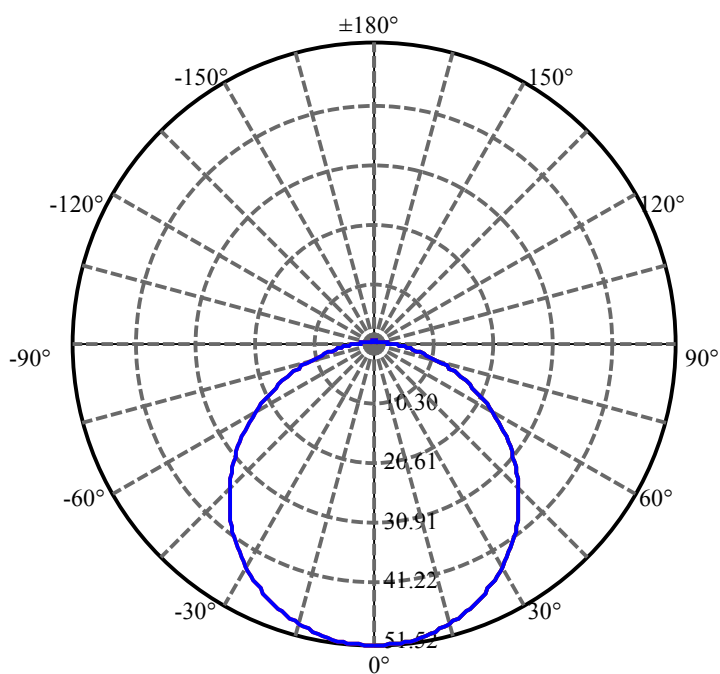
Beam angle of C0 plane : 114.27

Aveage BeamAngle(IEC 61341):114.27

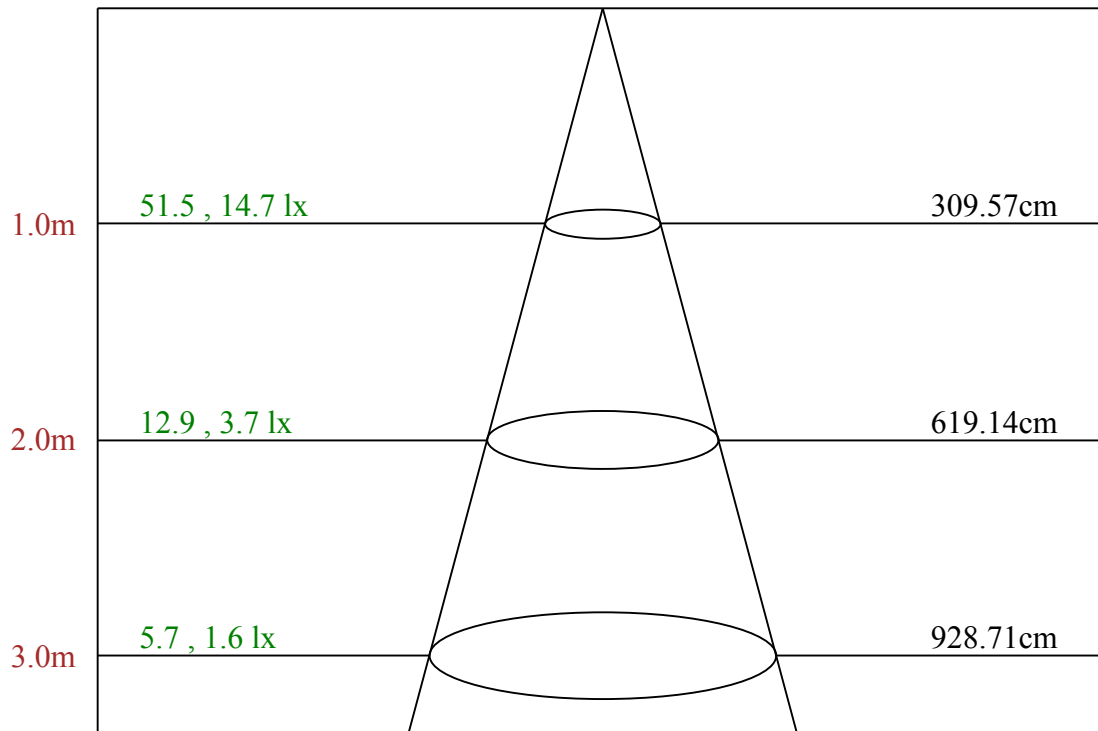
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 06/05/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90

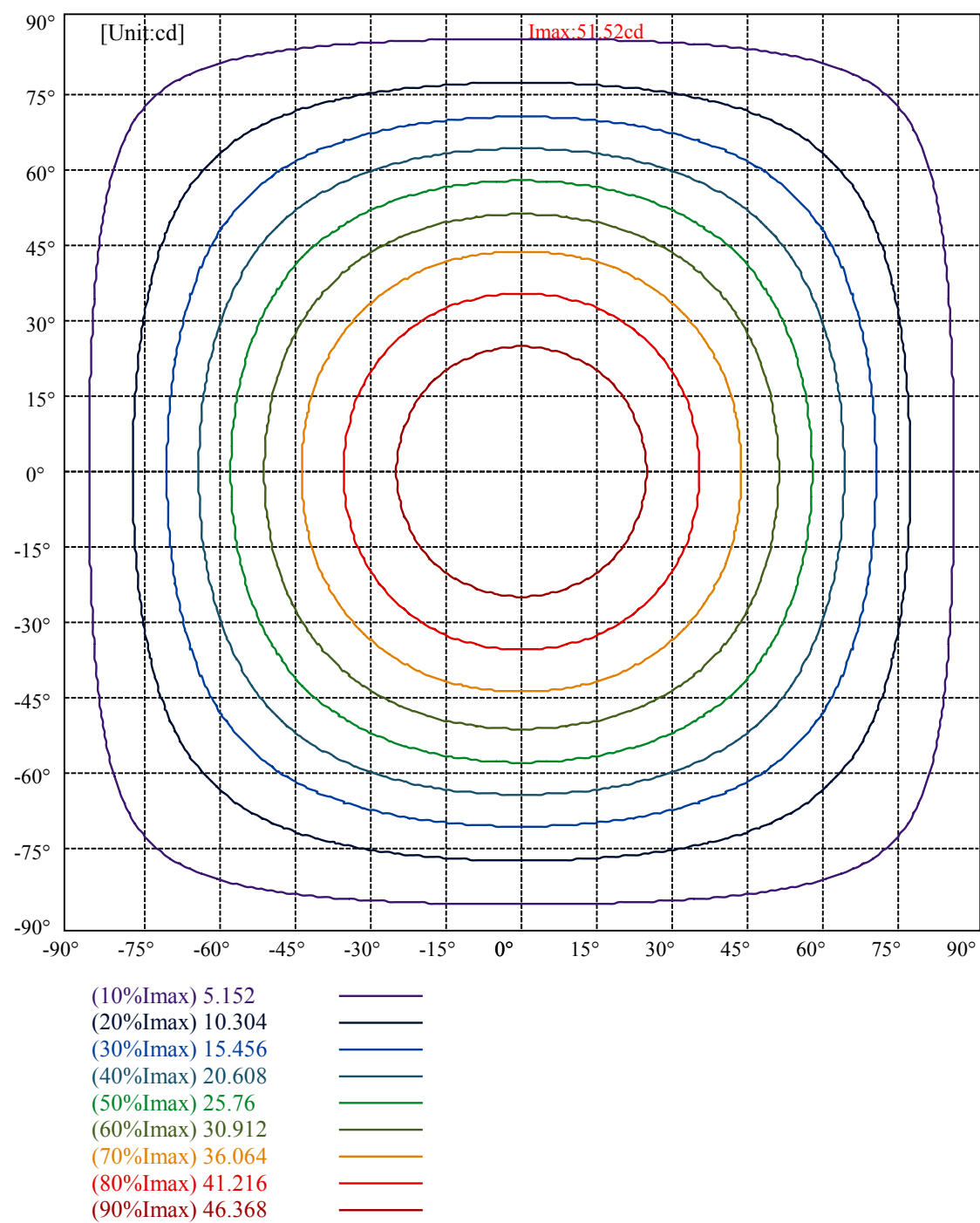


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 114.27



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Luminance Limiting Curve(no luminous side)

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Luminance Table

| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 6180 | 6090 | 5993 | 5869 | 5715 | 5559 | 5478 | 5698 | 7400 |
| C45 | 6180 | 6090 | 5993 | 5869 | 5715 | 5559 | 5478 | 5698 | 7400 |
| C90 | 6180 | 6090 | 5993 | 5869 | 5715 | 5559 | 5478 | 5698 | 7400 |

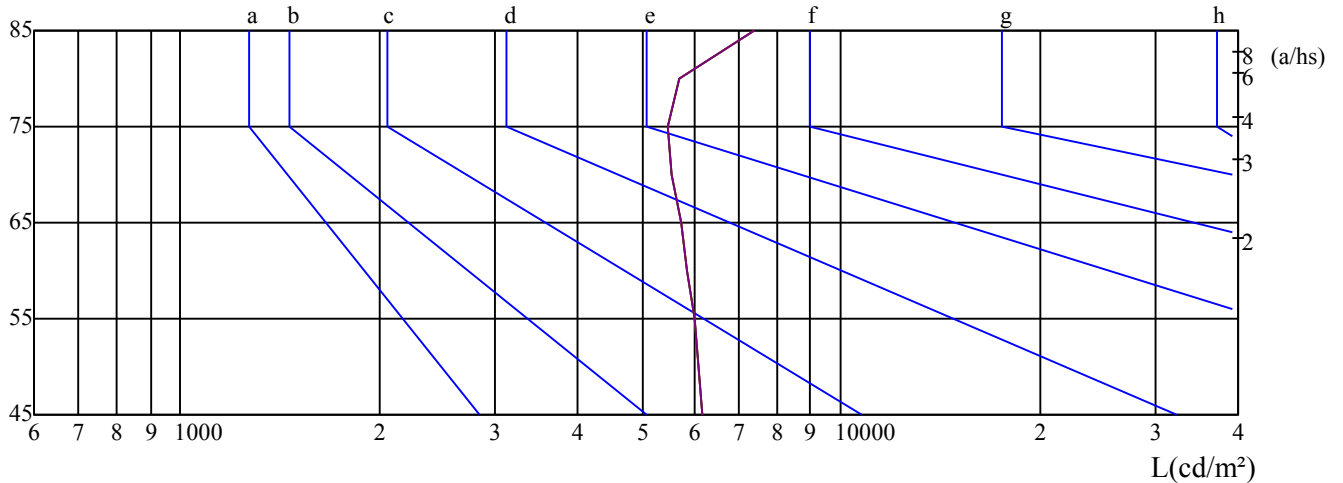
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 5715 | 5715 | 5715 | 5478 | 5478 | 5478 | 7400 | 7400 | 7400 |

Glare Table

| Glare | Quality | Service Values Illuminance(lx) | | | | | | | |
|-------|---------|--------------------------------|------|------|------------|------------|------------|------------|------------|
| 1.15 | A | 2000 | 1000 | 500 | ≤ 300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | ≤ 300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | ≤ 300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | ≤ 300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | ≤ 300 |
| | | a | b | c | d | e | f | g | h |

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 25.5

Date: 06/05/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90

| Illumination assessment according UGR | | | | | | | | | | | |
|---|-----|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Rf of Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | |
| Rf of Wall | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 | |
| Rf of Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X | Y | | | | | | | | | | |
| 2H | 2H | 18.77 | 20.35 | 19.19 | 20.75 | 21.16 | 18.80 | 20.38 | 19.22 | 20.78 | 21.19 |
| | 3H | 20.71 | 22.15 | 21.15 | 22.56 | 23.00 | 20.63 | 22.07 | 21.07 | 22.49 | 22.92 |
| | 4H | 21.59 | 22.95 | 22.04 | 23.37 | 23.82 | 21.34 | 22.69 | 21.79 | 23.12 | 23.57 |
| | 6H | 22.48 | 23.74 | 22.94 | 24.18 | 24.66 | 21.90 | 23.17 | 22.36 | 23.61 | 24.09 |
| | 8H | 22.91 | 24.14 | 23.38 | 24.58 | 25.07 | 22.07 | 23.30 | 22.54 | 23.74 | 24.23 |
| | 12H | 23.38 | 24.56 | 23.85 | 25.01 | 25.51 | 22.18 | 23.36 | 22.65 | 23.81 | 24.31 |
| 4H | 2H | 19.58 | 20.93 | 20.03 | 21.36 | 21.81 | 19.60 | 20.95 | 20.05 | 21.38 | 21.83 |
| | 3H | 21.67 | 22.84 | 22.14 | 23.29 | 23.79 | 21.59 | 22.75 | 22.06 | 23.21 | 23.70 |
| | 4H | 22.75 | 23.79 | 23.23 | 24.27 | 24.79 | 22.49 | 23.53 | 22.98 | 24.01 | 24.53 |
| | 6H | 23.75 | 24.69 | 24.27 | 25.19 | 25.72 | 23.16 | 24.10 | 23.68 | 24.60 | 25.13 |
| | 8H | 24.30 | 25.18 | 24.83 | 25.69 | 26.23 | 23.43 | 24.30 | 23.95 | 24.81 | 25.36 |
| | 12H | 24.89 | 25.71 | 25.42 | 26.21 | 26.79 | 23.62 | 24.44 | 24.15 | 24.94 | 25.52 |
| 8H | 4H | 23.13 | 24.00 | 23.65 | 24.51 | 25.06 | 22.90 | 23.78 | 23.42 | 24.28 | 24.83 |
| | 6H | 24.33 | 25.07 | 24.88 | 25.60 | 26.18 | 23.77 | 24.51 | 24.31 | 25.04 | 25.62 |
| | 8H | 25.07 | 25.72 | 25.63 | 26.29 | 26.86 | 24.20 | 24.85 | 24.76 | 25.42 | 25.99 |
| | 12H | 25.83 | 26.39 | 26.40 | 26.96 | 27.55 | 24.51 | 25.07 | 25.08 | 25.64 | 26.22 |
| 12H | 4H | 23.18 | 24.00 | 23.71 | 24.50 | 25.09 | 22.98 | 23.80 | 23.51 | 24.30 | 24.88 |
| | 6H | 24.50 | 25.15 | 25.06 | 25.72 | 26.29 | 23.97 | 24.63 | 24.54 | 25.19 | 25.76 |
| | 8H | 25.26 | 25.82 | 25.83 | 26.39 | 26.98 | 24.44 | 24.99 | 25.01 | 25.56 | 26.15 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 0.2/-0.7 | | | | | 0.2/-0.7 | | | | |
| S = 1.5H | | 0.5/-0.6 | | | | | 0.5/-0.6 | | | | |
| S = 2.0H | | 0.5/-0.7 | | | | | 0.5/-0.7 | | | | |
| Standard tables: | | BKBF | | | | | BKBF | | | | |
| Uncorrected UGR | | 8.3 | | | | | 8.3 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25