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LumCAT:

Luminaire: led wide sm c

LampCAT: modulo led tr 12W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.7600

Test No:

Current(A): 0.1030

Number of Lamps: 1

Power (W): 12.2500

Lamp flux(lm): 1200.0

PF: 0.9290

Length(mm): 127

Width(mm): 127

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 738.93, Efficiency(%): 61.58% , Luminous Efficacy(lm/W): 60.32

Central intensity(cd): 341.971, Maximum intensity(cd): 341.971

Angle of maximum intensity: C=0.0 γ =0.0

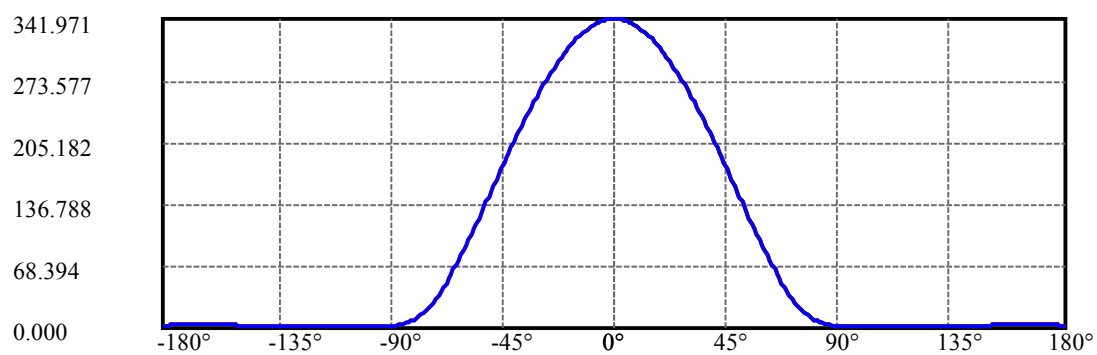
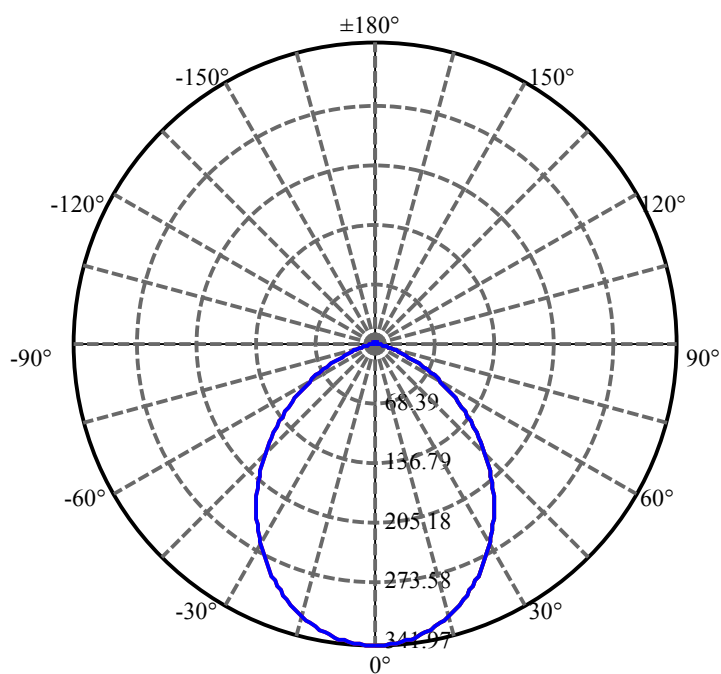
Beam angle of C0 plane : 91.61

Average BeamAngle(IEC 61341): 91.61

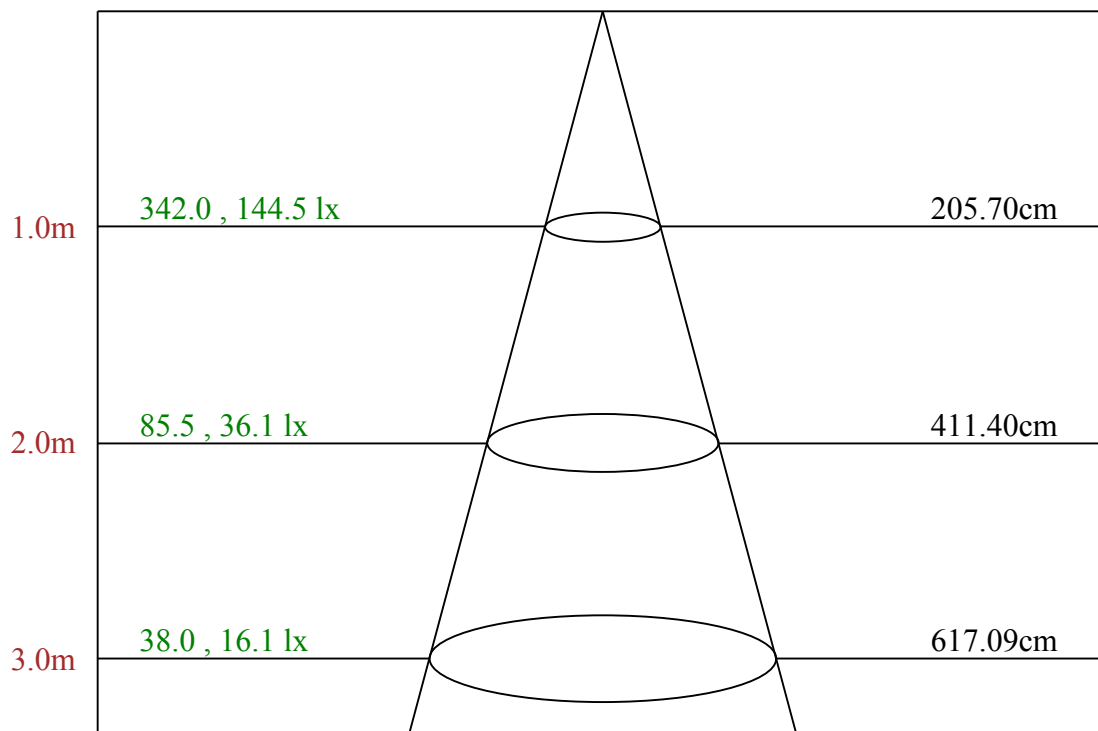
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 04/06/2025
Humidity(%): 58.0%

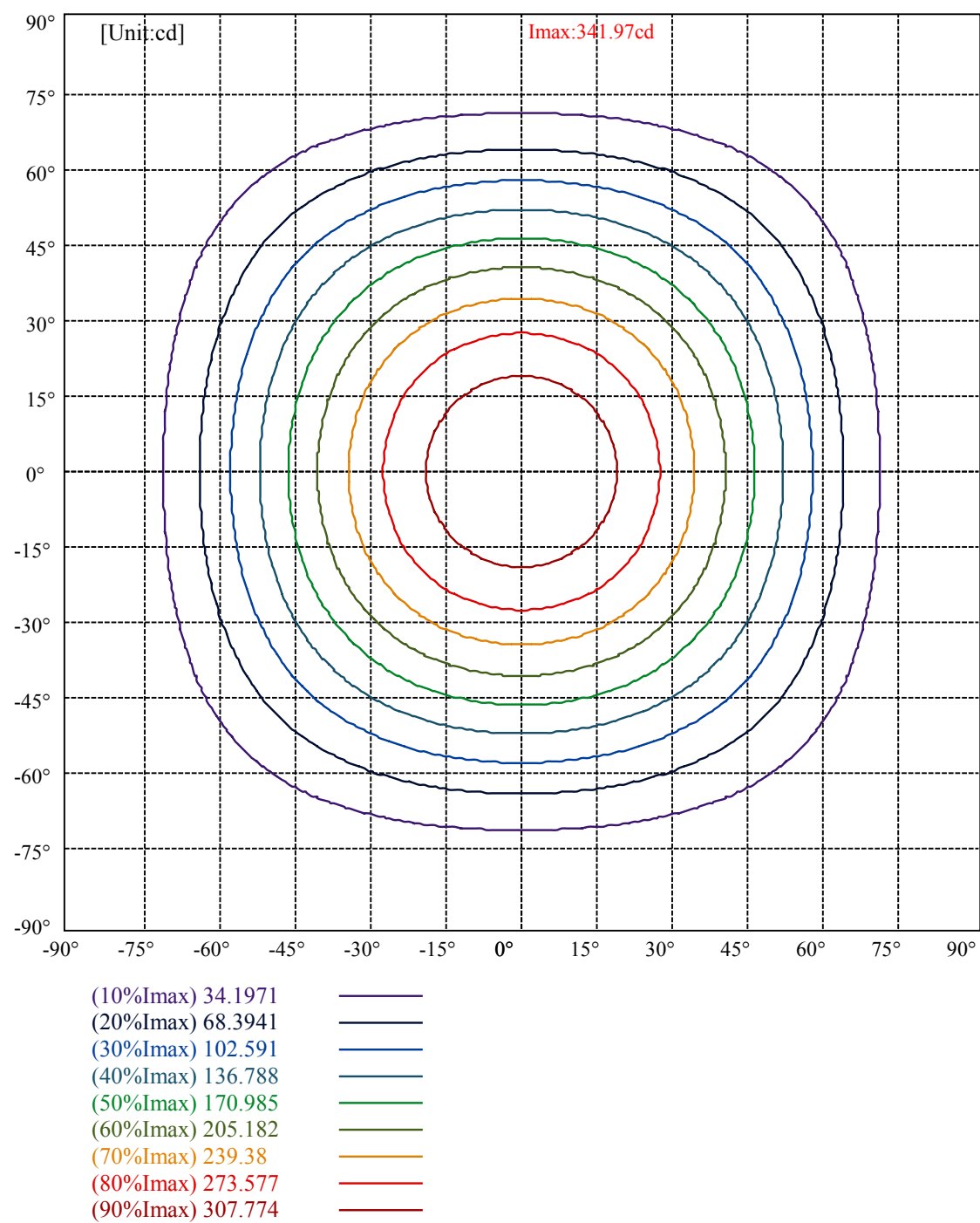
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 91.61



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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 | 15426 | 14030 | 12486 | 10728 | 8769 | 6517 | 4502 | 3151 | 3192 |
| C45 | 15426 | 14030 | 12486 | 10728 | 8769 | 6517 | 4502 | 3151 | 3192 |
| C90 | 15426 | 14030 | 12486 | 10728 | 8769 | 6517 | 4502 | 3151 | 3192 |

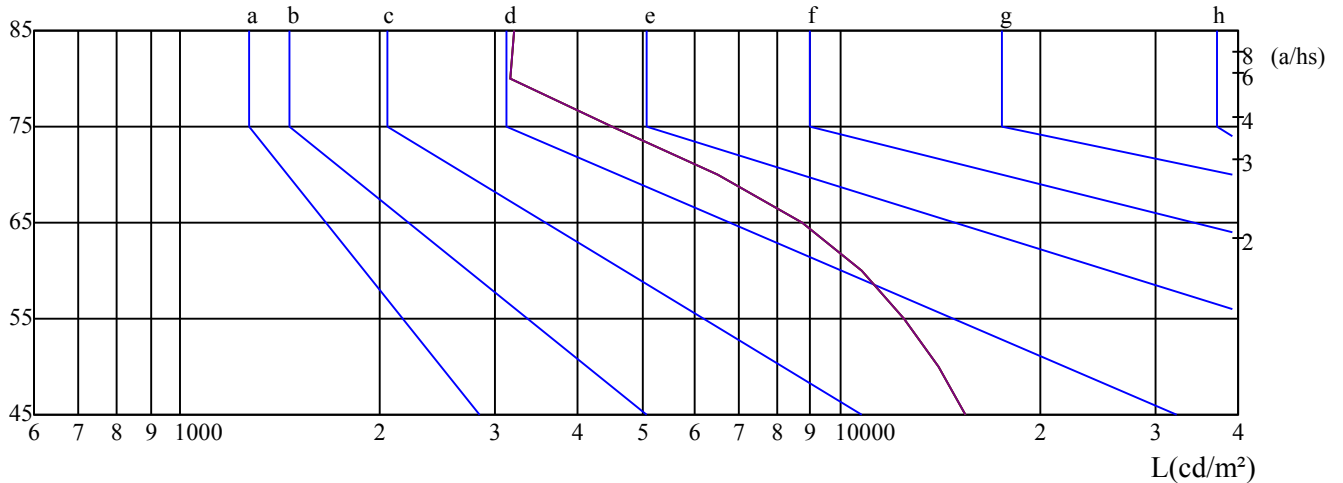
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 8769 | 8769 | 8769 | 4502 | 4502 | 4502 | 3192 | 3192 | 3192 |

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($^{\circ}\text{C}$): 25.0

Date: 04/06/2025
Humidity(%): 58.0%

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 | 21.39 | 22.84 | 21.79 | 23.20 | 23.57 | 21.50 | 22.95 | 21.90 | 23.31 | 23.68 |
| | 3H | 22.17 | 23.47 | 22.59 | 23.85 | 24.25 | 22.35 | 23.65 | 22.77 | 24.03 | 24.43 |
| | 4H | 22.31 | 23.53 | 22.74 | 23.92 | 24.34 | 22.52 | 23.73 | 22.95 | 24.13 | 24.55 |
| | 6H | 22.36 | 23.48 | 22.80 | 23.89 | 24.34 | 22.59 | 23.72 | 23.04 | 24.13 | 24.57 |
| | 8H | 22.33 | 23.41 | 22.78 | 23.83 | 24.29 | 22.57 | 23.65 | 23.02 | 24.07 | 24.53 |
| | 12H | 22.30 | 23.33 | 22.76 | 23.76 | 24.23 | 22.56 | 23.59 | 23.01 | 24.02 | 24.48 |
| 4H | 2H | 21.96 | 23.18 | 22.39 | 23.57 | 23.99 | 22.05 | 23.27 | 22.48 | 23.66 | 24.08 |
| | 3H | 22.86 | 23.87 | 23.31 | 24.30 | 24.77 | 23.01 | 24.03 | 23.47 | 24.46 | 24.92 |
| | 4H | 23.10 | 24.00 | 23.57 | 24.46 | 24.95 | 23.29 | 24.18 | 23.76 | 24.64 | 25.13 |
| | 6H | 23.15 | 23.94 | 23.65 | 24.42 | 24.92 | 23.37 | 24.16 | 23.86 | 24.64 | 25.13 |
| | 8H | 23.16 | 23.90 | 23.67 | 24.38 | 24.90 | 23.38 | 24.12 | 23.89 | 24.61 | 25.12 |
| | 12H | 23.17 | 23.85 | 23.68 | 24.33 | 24.89 | 23.41 | 24.09 | 23.92 | 24.57 | 25.13 |
| 8H | 4H | 23.18 | 23.91 | 23.69 | 24.40 | 24.92 | 23.35 | 24.09 | 23.86 | 24.57 | 25.09 |
| | 6H | 23.26 | 23.87 | 23.79 | 24.38 | 24.93 | 23.46 | 24.08 | 23.99 | 24.58 | 25.14 |
| | 8H | 23.34 | 23.87 | 23.89 | 24.42 | 24.96 | 23.56 | 24.09 | 24.11 | 24.64 | 25.18 |
| | 12H | 23.37 | 23.81 | 23.93 | 24.36 | 24.92 | 23.61 | 24.05 | 24.17 | 24.60 | 25.16 |
| 12H | 4H | 23.16 | 23.84 | 23.68 | 24.33 | 24.88 | 23.33 | 24.01 | 23.85 | 24.50 | 25.05 |
| | 6H | 23.30 | 23.83 | 23.85 | 24.38 | 24.92 | 23.50 | 24.03 | 24.05 | 24.58 | 25.12 |
| | 8H | 23.35 | 23.79 | 23.91 | 24.34 | 24.90 | 23.56 | 24.01 | 24.12 | 24.56 | 25.12 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 0.5/-0.6 | | | | | 0.5/-0.6 | | | | |
| S = 1.5H | | 0.7/-1.4 | | | | | 0.7/-1.4 | | | | |
| S = 2.0H | | 2.2/-2.1 | | | | | 2.2/-2.1 | | | | |
| Standard tables: | | BK2 | | | | | BK2 | | | | |
| Uncorrected UGR | | 4.5 | | | | | 4.5 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25