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LumCAT:

Luminaire: led line perfil 24V 30 c lp 4.5W

LampCAT: modulo led 9W/m 24Vdc 30K irc 90

Ballast type: led line driver 24V

Report No:

Voltage(V): 127.8500

Test No:

Current(A): 0.0850

Number of Lamps: 1

Power (W): 5.7010

Lamp flux(lm): 455.0

PF: 0.5230

Length(mm): 500

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 311.32, Efficiency(%): 68.42% , Luminous Efficacy(lm/W): 54.61

Central intensity(cd): 194.654, Maximum intensity(cd): 194.743

Angle of maximum intensity: C=0.0 γ =2.0

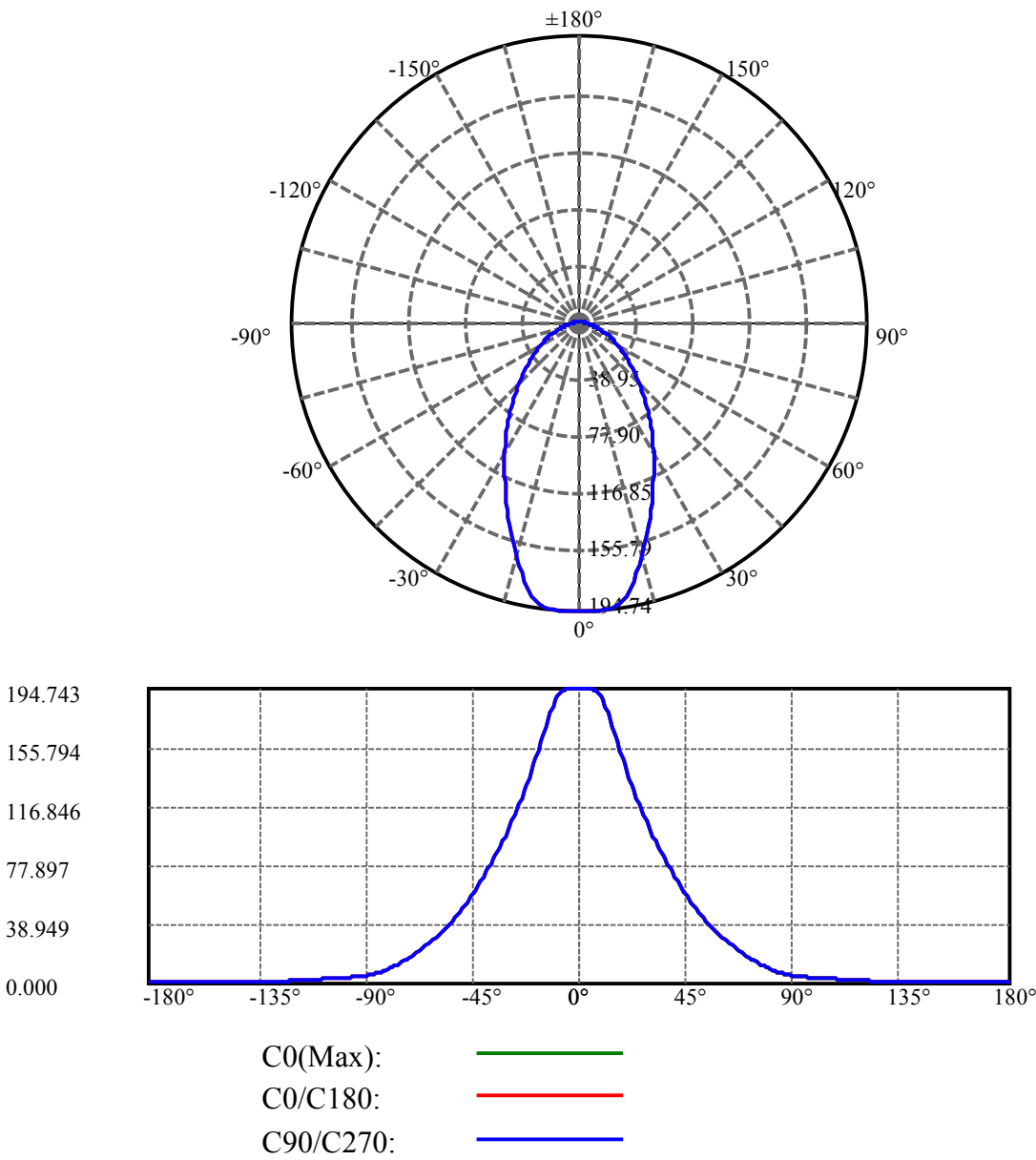
Beam angle of C0 plane : 61.98

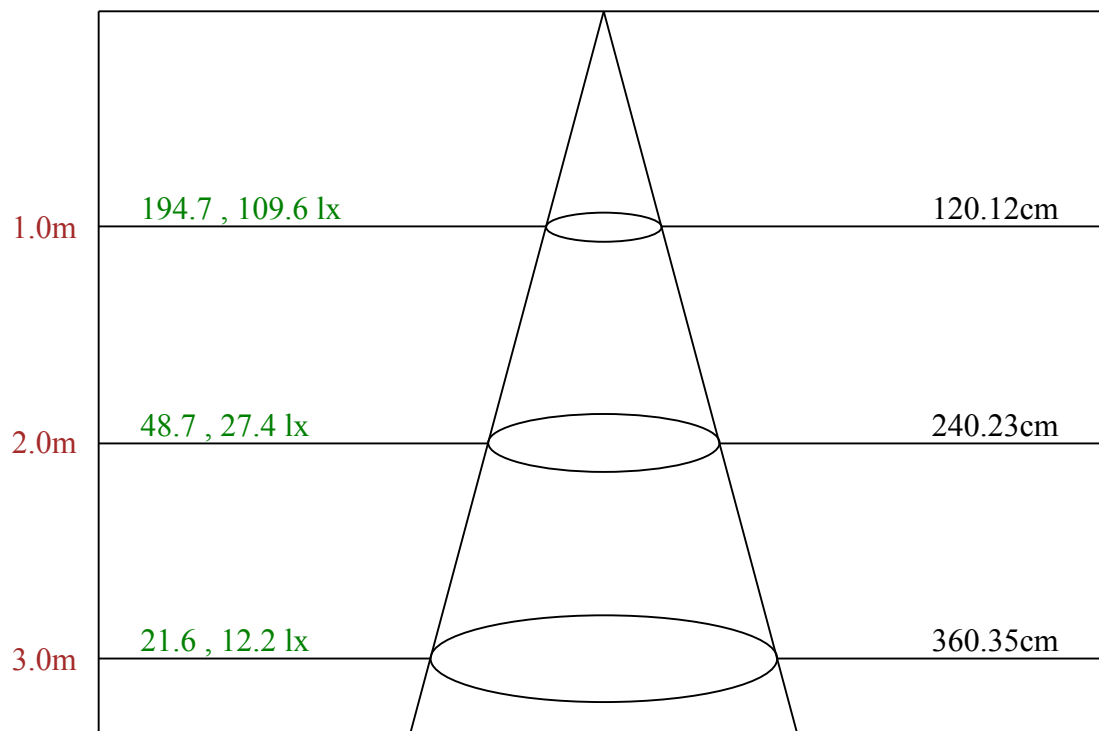
Aveage BeamAngle(IEC 61341):61.98

Equipment: equipamento lumini
Temperature(°C): 25.9

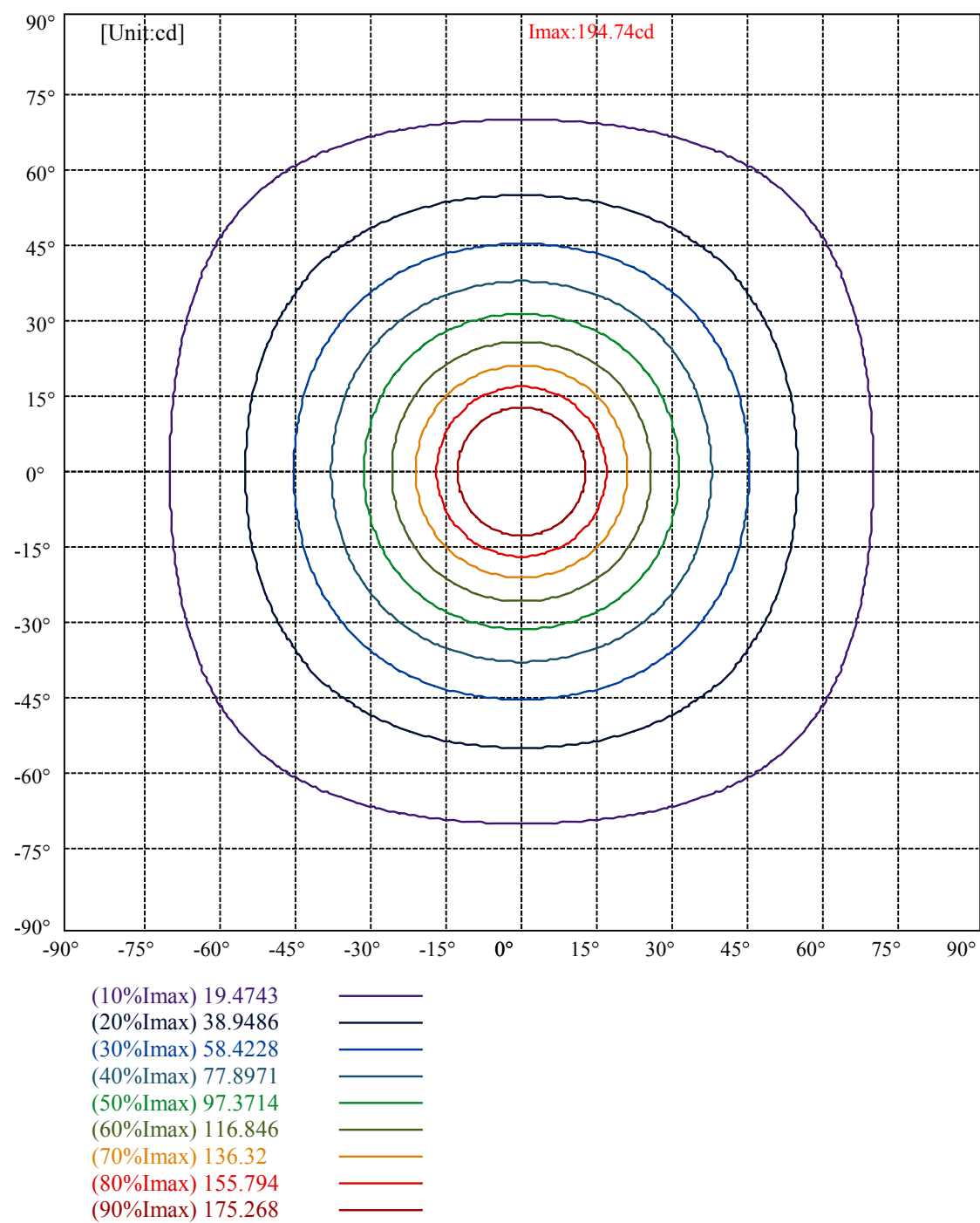
Date: 25/04/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 61.98



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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 | 10236 | 9169 | 8221 | 7627 | 7284 | 6740 | 6502 | 6970 | 9662 |
| C45 | 10236 | 9169 | 8221 | 7627 | 7284 | 6740 | 6502 | 6970 | 9662 |
| C90 | 10236 | 9169 | 8221 | 7627 | 7284 | 6740 | 6502 | 6970 | 9662 |

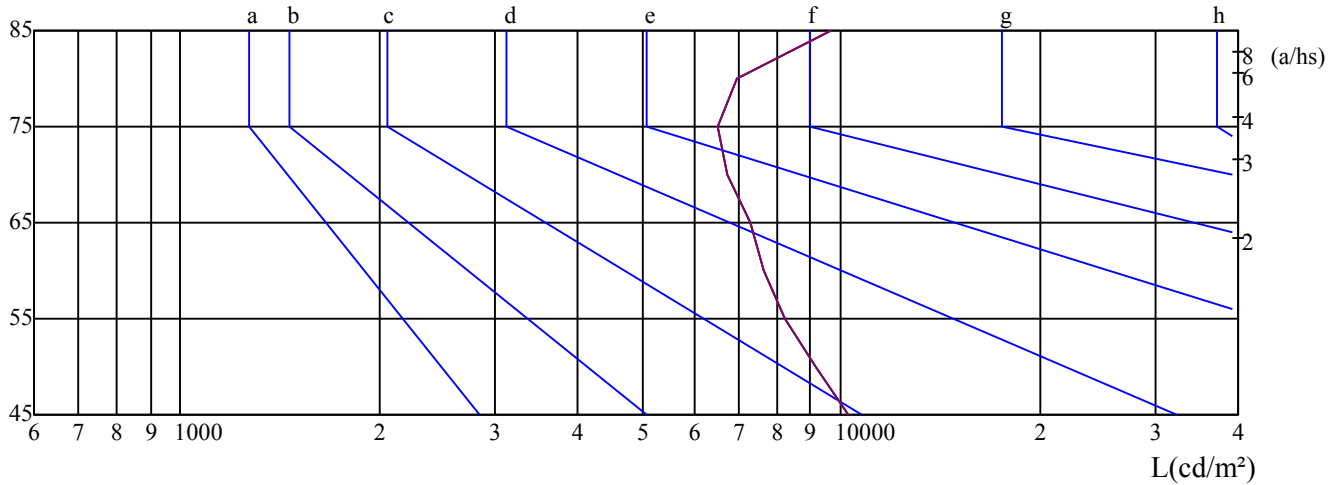
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 7284 | 7284 | 7284 | 6502 | 6502 | 6502 | 9662 | 9662 | 9662 |

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($^{\circ}\text{C}$): 25.9

Date: 25/04/2025
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 | 17.18 | 18.56 | 17.62 | 18.97 | 19.40 | 21.33 | 22.71 | 21.77 | 23.13 | 23.56 |
| | 3H | 19.06 | 20.31 | 19.52 | 20.74 | 21.20 | 22.50 | 23.75 | 22.96 | 24.18 | 24.64 |
| | 4H | 19.76 | 20.93 | 20.23 | 21.38 | 21.85 | 22.93 | 24.10 | 23.40 | 24.54 | 25.02 |
| | 6H | 20.52 | 21.60 | 21.00 | 22.06 | 22.57 | 23.25 | 24.34 | 23.74 | 24.80 | 25.31 |
| | 8H | 20.92 | 21.96 | 21.41 | 22.43 | 22.95 | 23.32 | 24.37 | 23.81 | 24.84 | 25.35 |
| | 12H | 21.39 | 22.39 | 21.88 | 22.87 | 23.39 | 23.36 | 24.36 | 23.86 | 24.84 | 25.36 |
| 4H | 2H | 18.07 | 19.24 | 18.54 | 19.68 | 20.16 | 21.46 | 22.63 | 21.93 | 23.08 | 23.55 |
| | 3H | 20.04 | 21.04 | 20.54 | 21.52 | 22.04 | 22.82 | 23.82 | 23.32 | 24.30 | 24.82 |
| | 4H | 20.94 | 21.82 | 21.45 | 22.33 | 22.87 | 23.44 | 24.33 | 23.95 | 24.83 | 25.38 |
| | 6H | 21.82 | 22.61 | 22.36 | 23.14 | 23.69 | 23.89 | 24.68 | 24.42 | 25.20 | 25.75 |
| | 8H | 22.34 | 23.07 | 22.88 | 23.60 | 24.17 | 24.05 | 24.79 | 24.60 | 25.32 | 25.89 |
| | 12H | 22.93 | 23.62 | 23.48 | 24.14 | 24.75 | 24.17 | 24.86 | 24.73 | 25.38 | 25.99 |
| 8H | 4H | 21.38 | 22.12 | 21.93 | 22.65 | 23.22 | 23.59 | 24.33 | 24.14 | 24.86 | 25.43 |
| | 6H | 22.49 | 23.11 | 23.06 | 23.66 | 24.26 | 24.19 | 24.81 | 24.76 | 25.36 | 25.96 |
| | 8H | 23.21 | 23.75 | 23.79 | 24.33 | 24.93 | 24.51 | 25.05 | 25.10 | 25.64 | 26.23 |
| | 12H | 23.98 | 24.44 | 24.58 | 25.03 | 25.64 | 24.73 | 25.19 | 25.33 | 25.77 | 26.39 |
| 12H | 4H | 21.46 | 22.14 | 22.01 | 22.67 | 23.28 | 23.62 | 24.30 | 24.17 | 24.82 | 25.43 |
| | 6H | 22.70 | 23.24 | 23.29 | 23.83 | 24.42 | 24.32 | 24.86 | 24.91 | 25.45 | 26.04 |
| | 8H | 23.46 | 23.92 | 24.06 | 24.51 | 25.12 | 24.66 | 25.11 | 25.26 | 25.70 | 26.32 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 0.2/-0.5 | | | | | 0.2/-0.5 | | | | |
| S = 1.5H | | 0.7/-0.8 | | | | | 0.7/-0.8 | | | | |
| S = 2.0H | | 0.8/-0.9 | | | | | 0.8/-0.9 | | | | |
| Standard tables: | | BKBF | | | | | BKBF | | | | |
| Uncorrected UGR | | 8.0 | | | | | 8.0 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25