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LumCAT:

Luminaire: led line perfil 12V ww c lp 7.5W

LampCAT: modulo led line 15W/m 12Vdc 30K irc 90 ip65

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.7500

Test No:

Current(A): 0.1090

Number of Lamps: 1

Power (W): 12.9070

Lamp flux(lm): 672.0

PF: 0.9260

Length(mm): 500

Width(mm): 30

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 363.30, Efficiency(%): 54.06% , Luminous Efficacy(lm/W): 28.15

Central intensity(cd): 117.930, Maximum intensity(cd): 132.499

Angle of maximum intensity: C=180.0 γ =25.0

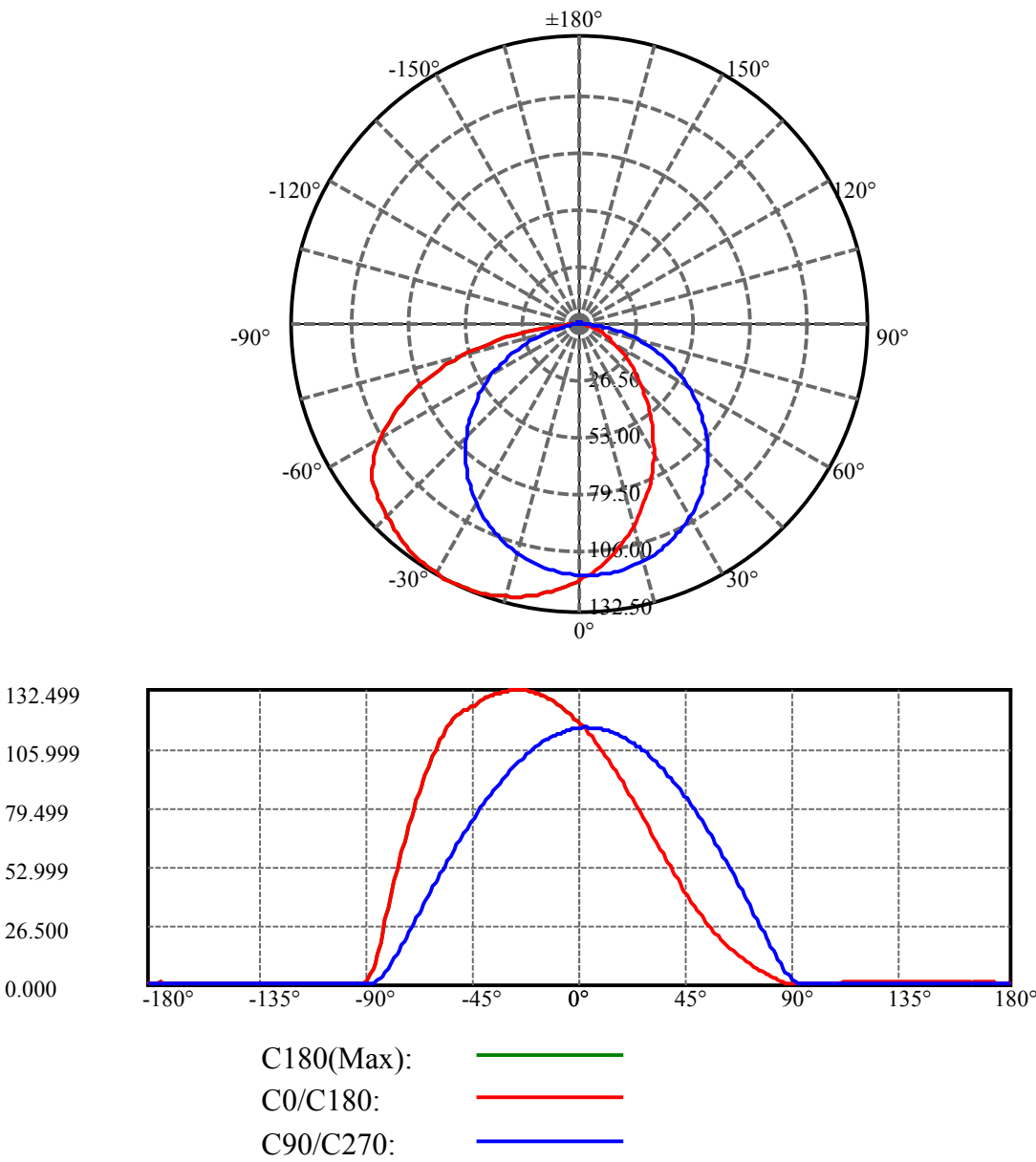
Beam angle of C180 plane : 103.50

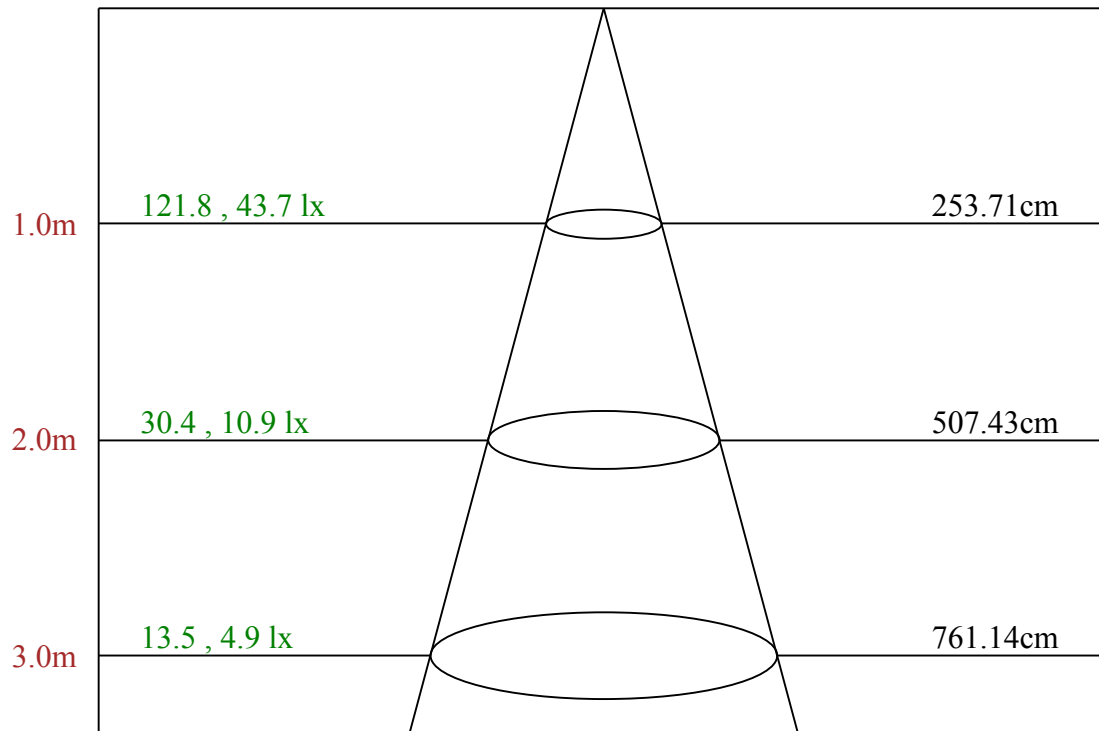
Average BeamAngle(IEC 61341): 114.05

Equipment: equipamento lumini
Temperature(°C): 25.5

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

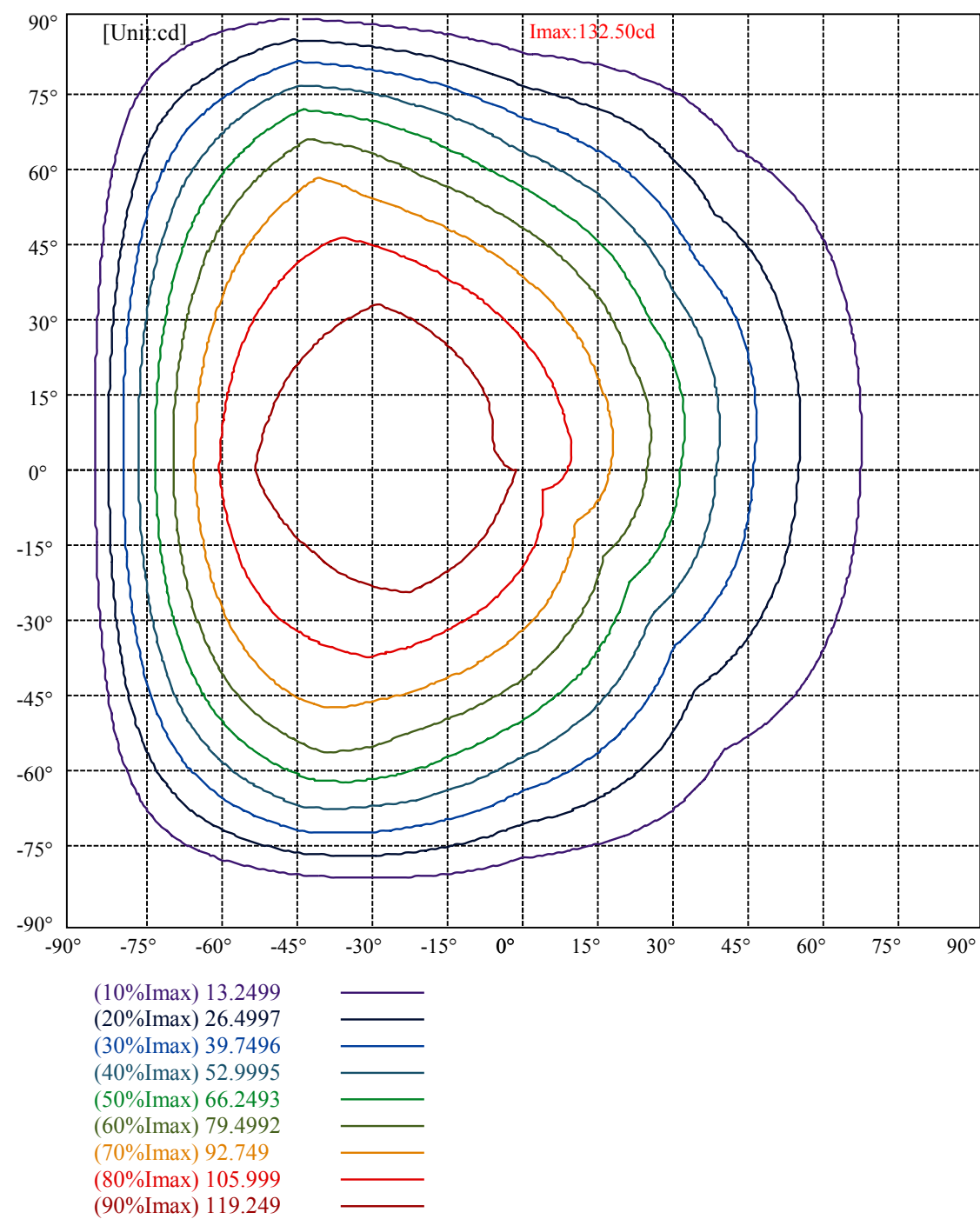
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C180 plane 103.50



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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 | 3824 | 3382 | 2977 | 2596 | 2306 | 2023 | 1766 | 1554 | 1093 |
| C45 | 4956 | 4508 | 3979 | 3504 | 3027 | 2701 | 2367 | 2120 | 2039 |
| C90 | 7887 | 7876 | 7836 | 7726 | 7630 | 7461 | 7101 | 6745 | 5900 |

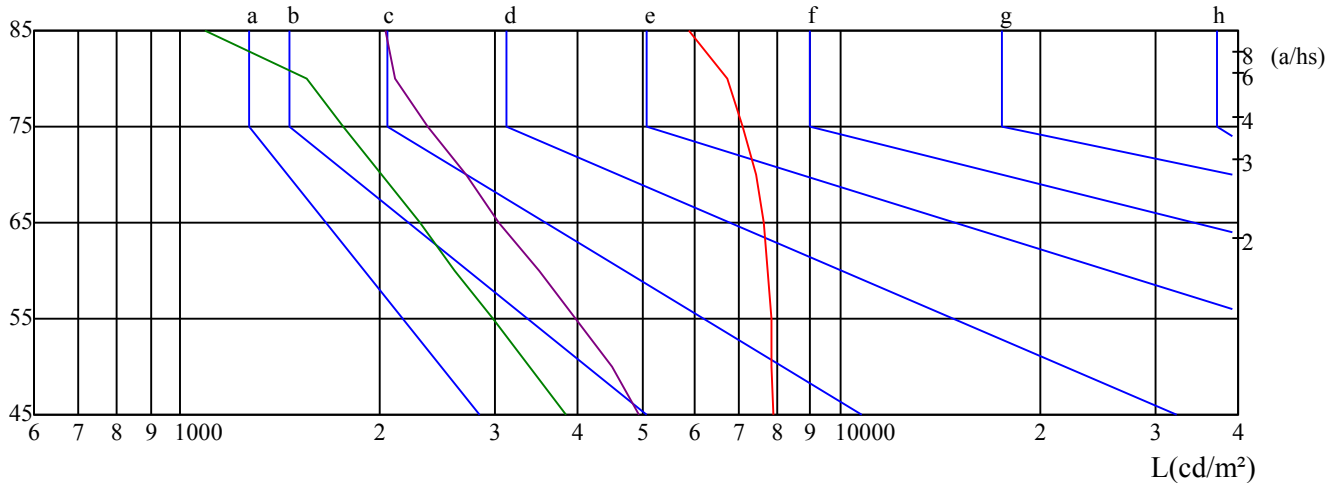
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 8397 | 6662 | 7974 | 8088 | 5598 | 8339 | 4461 | 3533 | 7875 |

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($^{\circ}$ 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 | 13.99 | 15.64 | 14.37 | 15.99 | 16.34 | 18.11 | 19.76 | 18.50 | 20.11 | 20.46 |
| | 3H | 14.94 | 16.45 | 15.35 | 16.82 | 17.19 | 20.15 | 21.65 | 20.55 | 22.02 | 22.40 |
| | 4H | 15.27 | 16.68 | 15.68 | 17.07 | 17.46 | 20.97 | 22.38 | 21.38 | 22.77 | 23.16 |
| | 6H | 15.53 | 16.85 | 15.96 | 17.25 | 17.67 | 21.66 | 22.98 | 22.09 | 23.38 | 23.81 |
| | 8H | 15.58 | 16.86 | 16.01 | 17.26 | 17.69 | 21.90 | 23.17 | 22.33 | 23.58 | 24.01 |
| | 12H | 15.59 | 16.82 | 16.03 | 17.23 | 17.67 | 22.05 | 23.28 | 22.49 | 23.69 | 24.14 |
| 4H | 2H | 14.85 | 16.27 | 15.27 | 16.65 | 17.05 | 18.27 | 19.69 | 18.69 | 20.07 | 20.47 |
| | 3H | 15.91 | 17.13 | 16.35 | 17.54 | 17.99 | 20.45 | 21.67 | 20.89 | 22.08 | 22.53 |
| | 4H | 16.38 | 17.46 | 16.83 | 17.91 | 18.38 | 21.46 | 22.54 | 21.91 | 22.99 | 23.46 |
| | 6H | 16.69 | 17.66 | 17.17 | 18.13 | 18.61 | 22.28 | 23.25 | 22.76 | 23.72 | 24.19 |
| | 8H | 16.80 | 17.71 | 17.30 | 18.18 | 18.68 | 22.62 | 23.53 | 23.11 | 24.00 | 24.50 |
| | 12H | 16.87 | 17.71 | 17.36 | 18.18 | 18.71 | 22.88 | 23.72 | 23.37 | 24.19 | 24.72 |
| 8H | 4H | 16.80 | 17.72 | 17.30 | 18.19 | 18.68 | 21.47 | 22.38 | 21.96 | 22.85 | 23.34 |
| | 6H | 17.22 | 17.98 | 17.73 | 18.47 | 19.00 | 22.38 | 23.15 | 22.89 | 23.64 | 24.17 |
| | 8H | 17.44 | 18.11 | 17.97 | 18.64 | 19.16 | 22.86 | 23.53 | 23.39 | 24.06 | 24.58 |
| | 12H | 17.54 | 18.11 | 18.08 | 18.65 | 19.19 | 23.20 | 23.77 | 23.74 | 24.30 | 24.84 |
| 12H | 4H | 16.91 | 17.76 | 17.41 | 18.23 | 18.76 | 21.45 | 22.30 | 21.95 | 22.76 | 23.30 |
| | 6H | 17.41 | 18.08 | 17.94 | 18.61 | 19.13 | 22.42 | 23.09 | 22.95 | 23.62 | 24.14 |
| | 8H | 17.61 | 18.18 | 18.15 | 18.72 | 19.26 | 22.87 | 23.44 | 23.41 | 23.98 | 24.51 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 0.2/-0.7 | | | | | 0.3/-0.7 | | | | |
| S = 1.5H | | 0.7/-0.6 | | | | | 0.7/-1.3 | | | | |
| S = 2.0H | | 1.1/-0.8 | | | | | 1.7/-1.7 | | | | |
| Standard tables: | | BKBF | | | | | BK4 | | | | |
| Uncorrected UGR | | 7.7 | | | | | -0.1 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25