



lumini Solucoes em Iluminacao LTDA
www.lumini.com.br
Email: laboratorio@lumini.com.br
Tel: +55 11 3437-5555 Fax: +55 11 3437-5555
Address: Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

lumini

LumCAT:

Luminaire: concentra flex 34 c serie 3 fc

LampCAT: 2x modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6200

Test No:

Current(A): 0.2050

Number of Lamps: 1

Power (W): 25.9730

Lamp flux(lm): 2715.0

PF: 0.9940

Length(mm): 340

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1904.99, Efficiency(%): 70.17% , Luminous Efficacy(lm/W): 73.35

Central intensity(cd): 10914.600, Maximum intensity(cd): 10914.600

Angle of maximum intensity: C=0.0 γ =0.0

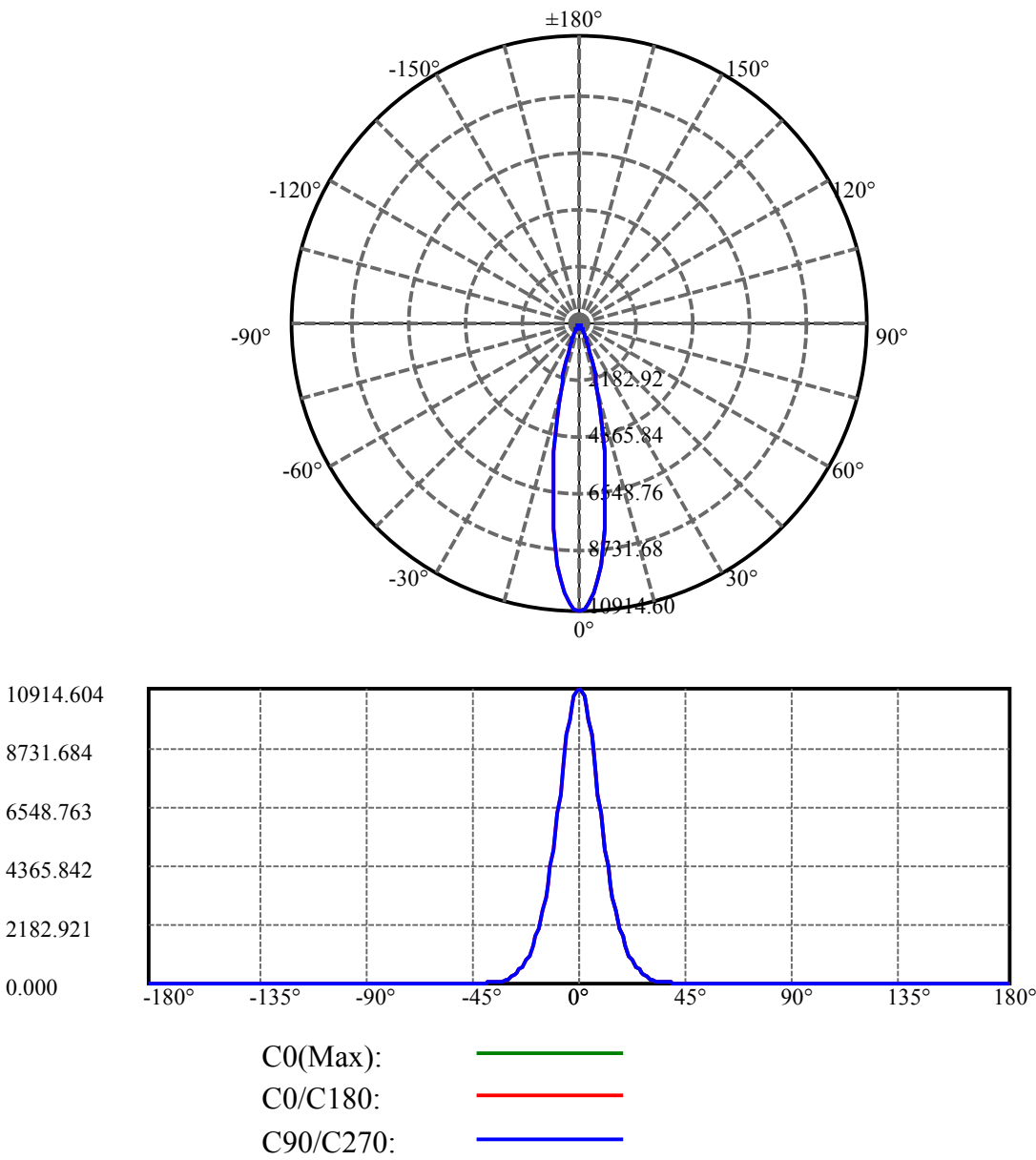
Beam angle of C0 plane : 20.45

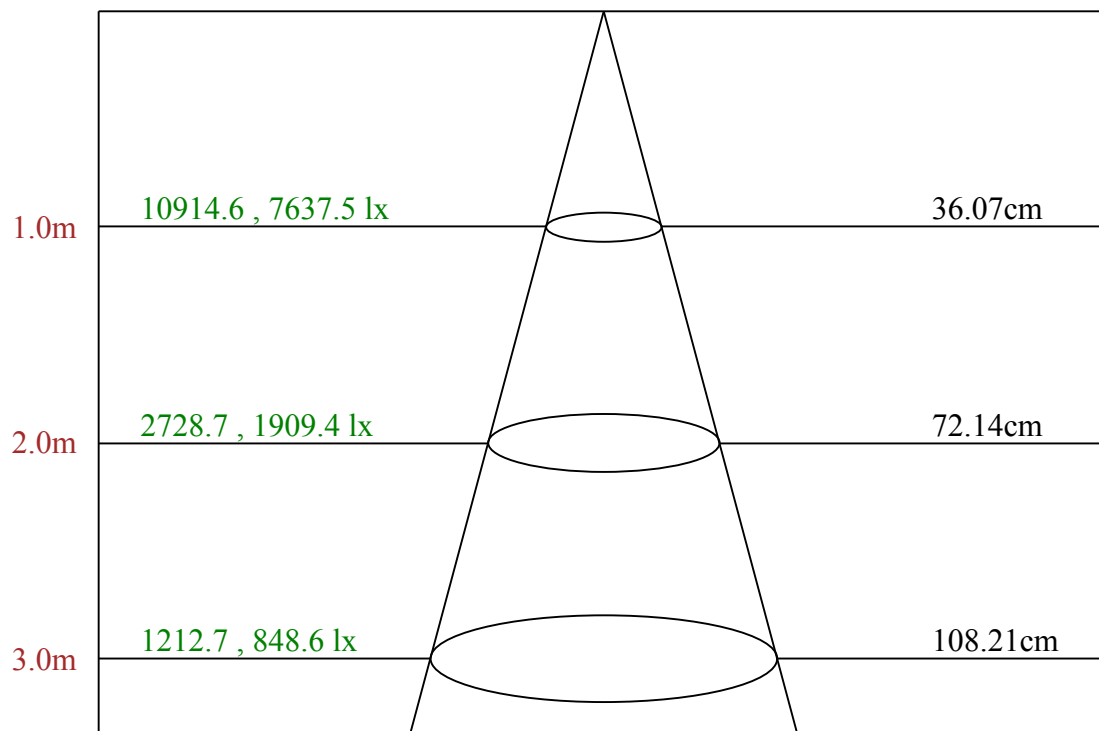
Average BeamAngle(IEC 61341): 20.45

Equipment: equipamento lumini
Temperature(°C): 25.5

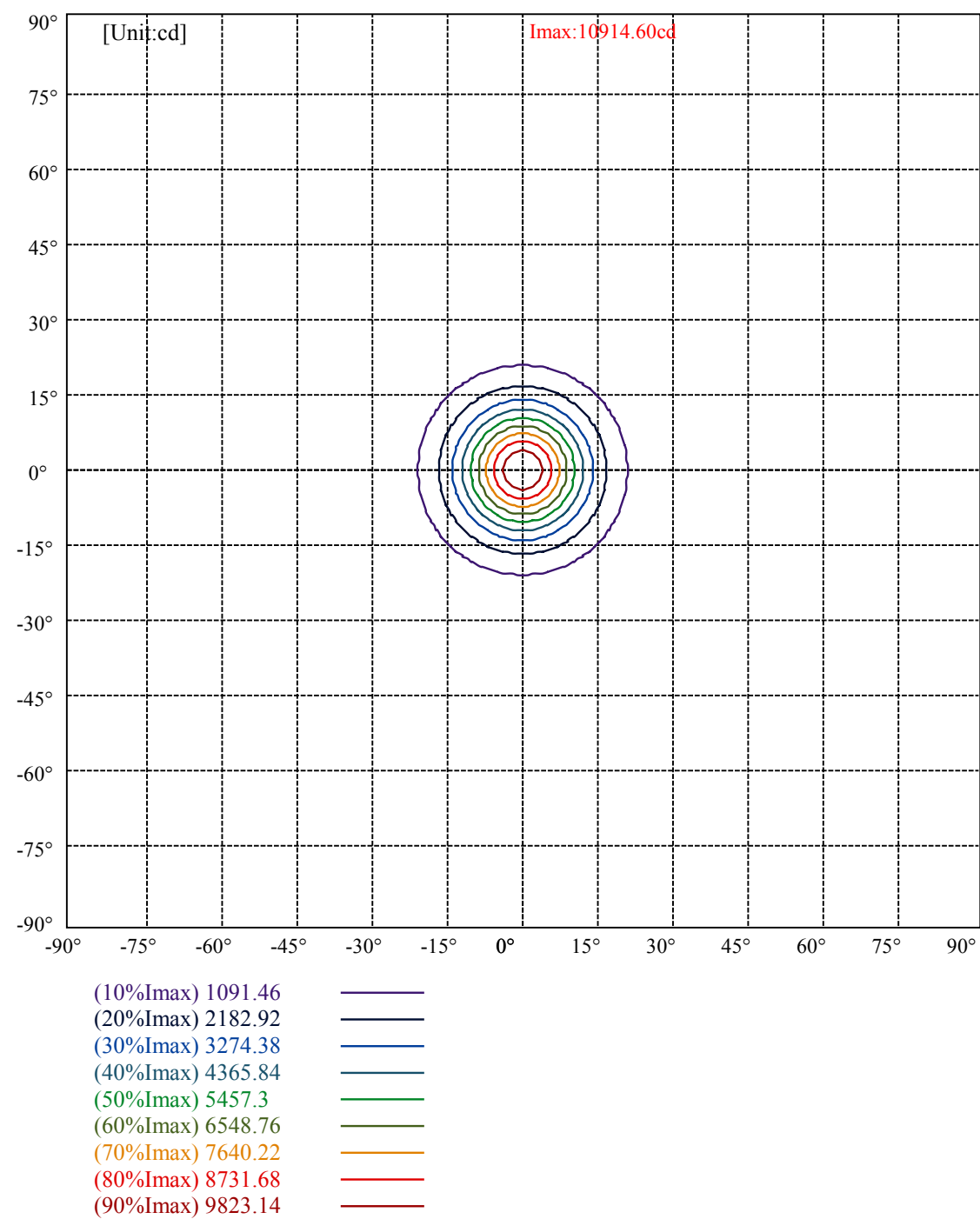
Date: 12/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.45



Luminance Table

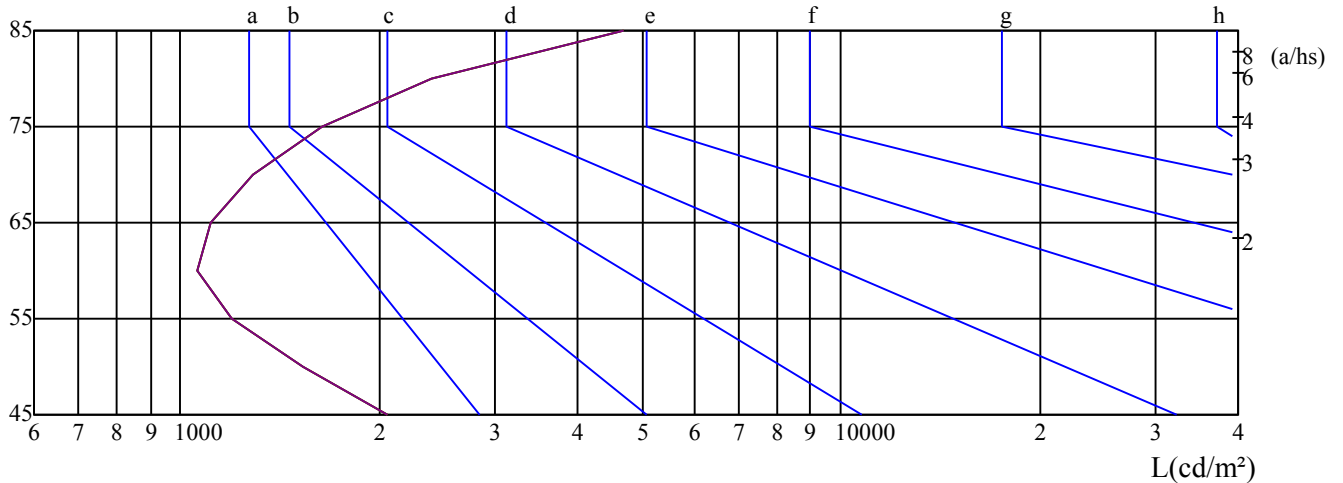
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 2056 | 1537 | 1197 | 1059 | 1113 | 1290 | 1642 | 2394 | 4704 |
| C45 | 2056 | 1537 | 1197 | 1059 | 1113 | 1290 | 1642 | 2394 | 4704 |
| C90 | 2056 | 1537 | 1197 | 1059 | 1113 | 1290 | 1642 | 2394 | 4704 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1113 | 1113 | 1113 | 1642 | 1642 | 1642 | 4704 | 4704 | 4704 |

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 ———

| 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 | 5.77 | 6.66 | 6.17 | 7.01 | 7.38 | 5.61 | 6.50 | 6.01 | 6.85 | 7.22 |
| | 3H | 6.37 | 7.17 | 6.80 | 7.55 | 7.94 | 6.23 | 7.02 | 6.65 | 7.40 | 7.80 |
| | 4H | 6.95 | 7.69 | 7.39 | 8.08 | 8.50 | 6.81 | 7.55 | 7.25 | 7.94 | 8.36 |
| | 6H | 7.89 | 8.56 | 8.35 | 8.98 | 9.43 | 7.76 | 8.43 | 8.22 | 8.85 | 9.30 |
| | 8H | 8.53 | 9.17 | 8.99 | 9.59 | 10.05 | 8.41 | 9.05 | 8.87 | 9.48 | 9.93 |
| | 12H | 9.37 | 9.98 | 9.84 | 10.41 | 10.88 | 9.24 | 9.85 | 9.71 | 10.28 | 10.75 |
| 4H | 2H | 5.76 | 6.50 | 6.20 | 6.89 | 7.31 | 5.62 | 6.35 | 6.06 | 6.75 | 7.17 |
| | 3H | 6.63 | 7.25 | 7.10 | 7.69 | 8.15 | 6.51 | 7.13 | 6.97 | 7.56 | 8.03 |
| | 4H | 7.51 | 8.05 | 7.99 | 8.51 | 9.01 | 7.40 | 7.93 | 7.87 | 8.39 | 8.89 |
| | 6H | 8.74 | 9.21 | 9.25 | 9.70 | 10.20 | 8.63 | 9.10 | 9.14 | 9.59 | 10.09 |
| | 8H | 9.59 | 10.02 | 10.11 | 10.52 | 11.04 | 9.49 | 9.93 | 10.01 | 10.42 | 10.94 |
| | 12H | 10.67 | 11.07 | 11.19 | 11.56 | 12.12 | 10.55 | 10.95 | 11.08 | 11.44 | 12.01 |
| 8H | 4H | 7.84 | 8.27 | 8.36 | 8.77 | 9.29 | 7.74 | 8.17 | 8.26 | 8.67 | 9.19 |
| | 6H | 9.38 | 9.74 | 9.92 | 10.25 | 10.81 | 9.30 | 9.65 | 9.84 | 10.17 | 10.73 |
| | 8H | 10.50 | 10.80 | 11.07 | 11.36 | 11.90 | 10.42 | 10.72 | 10.99 | 11.28 | 11.82 |
| | 12H | 11.85 | 12.07 | 12.43 | 12.62 | 13.19 | 11.75 | 11.97 | 12.33 | 12.53 | 13.09 |
| 12H | 4H | 7.94 | 8.34 | 8.47 | 8.83 | 9.40 | 7.85 | 8.25 | 8.37 | 8.74 | 9.31 |
| | 6H | 9.66 | 9.95 | 10.22 | 10.51 | 11.05 | 9.58 | 9.87 | 10.15 | 10.43 | 10.97 |
| | 8H | 10.86 | 11.08 | 11.44 | 11.64 | 12.20 | 10.79 | 11.01 | 11.36 | 11.56 | 12.13 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 1.7/-1.2 | | | | | 1.7/-1.2 | | | | |
| S = 1.5H | | 2.0/-1.2 | | | | | 2.0/-1.2 | | | | |
| S = 2.0H | | 2.3/-1.3 | | | | | 2.3/-1.3 | | | | |
| Standard tables: | | BKBF | | | | | BKBF | | | | |
| Uncorrected UGR | | -6.6 | | | | | -6.6 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25