



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: mini frame concentra 17 serie 3 e fa

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0360

Number of Lamps: 1

Power (W): 7.3700

Lamp flux(lm): 715.0

PF: 0.9700

Length(mm): 150

Width(mm): 17

Phm Type: C

Height(mm): 0

---

## Photometric Results

---

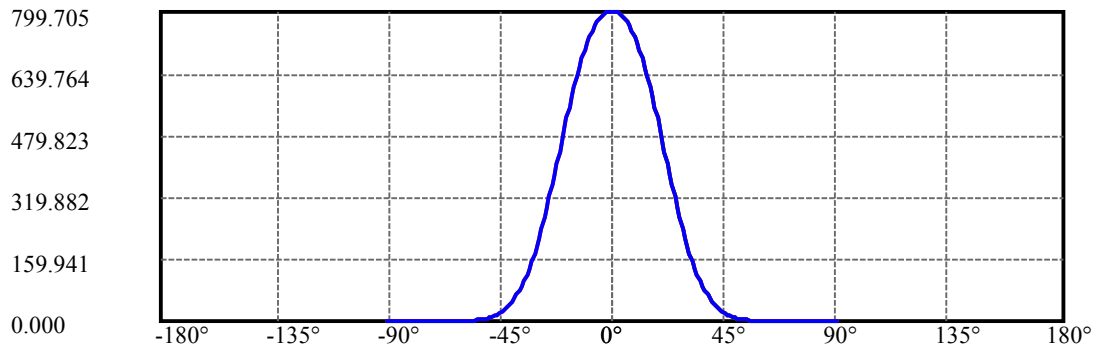
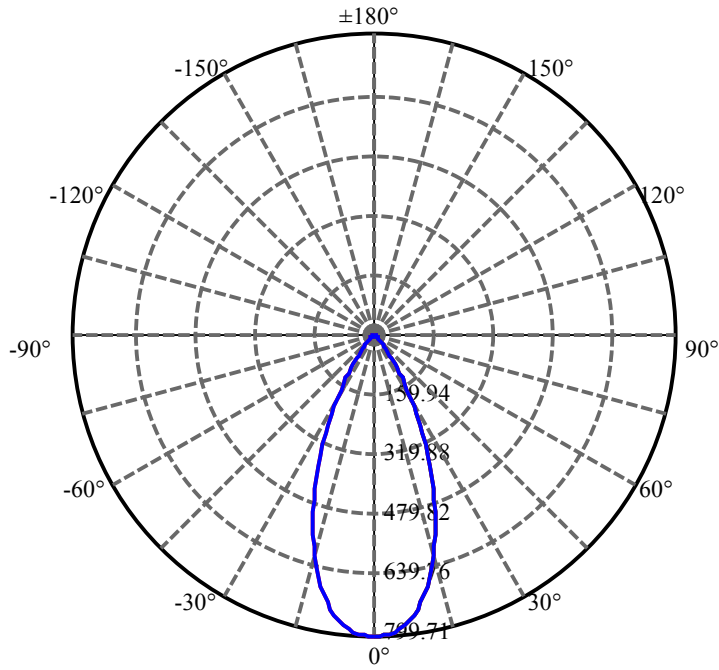
Lumens(lm): 477.19, Efficiency(%): 66.74% , Luminous Efficacy(lm/W): 64.75

Central intensity(cd): 799.705, Maximum intensity(cd): 799.705

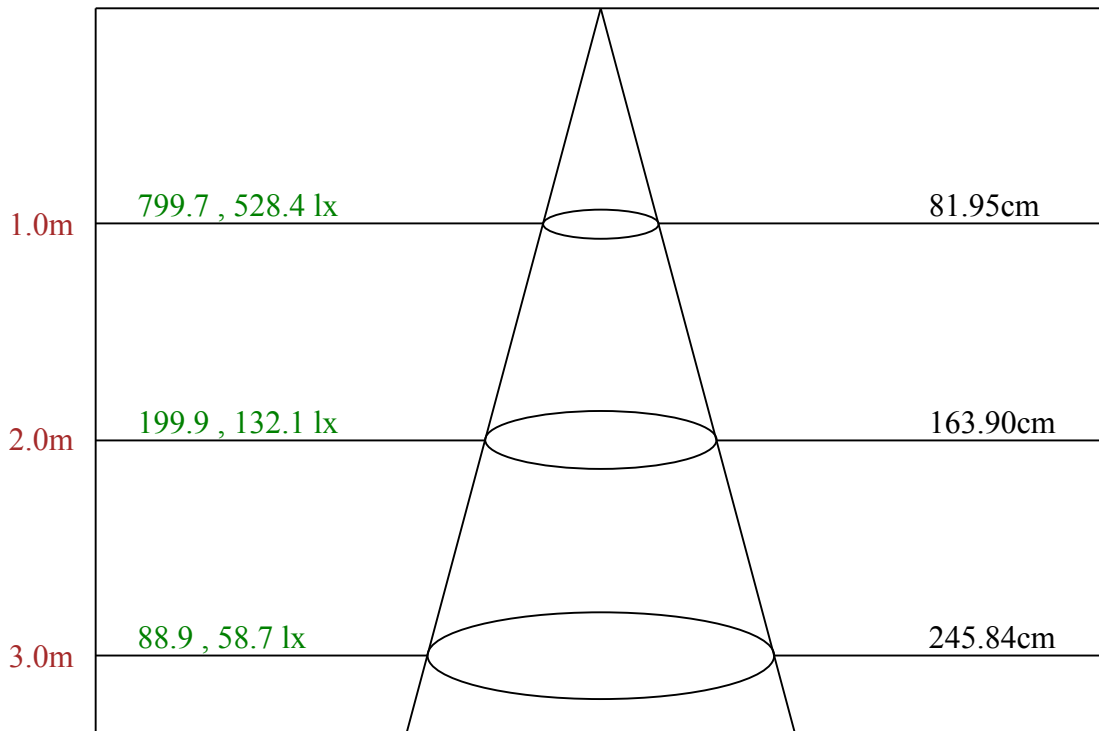
Angle of maximum intensity:  $C=0.0$   $\gamma=0.0$

Beam angle of C0 plane : 44.56

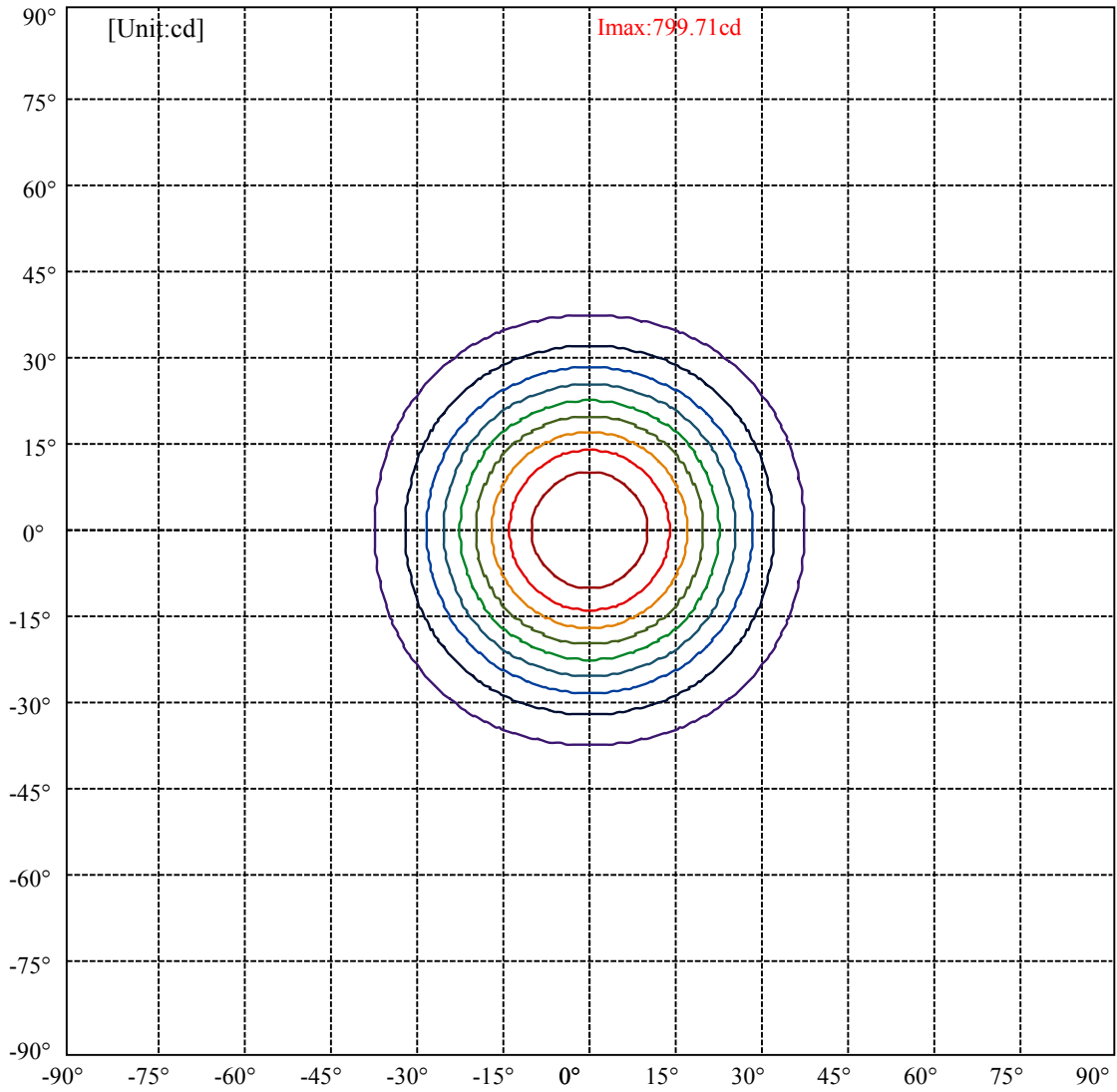
Aveage BeamAngle(IEC 61341):44.56



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



Max , Ave      Beam angle of C0 plane 44.56



|                   |   |
|-------------------|---|
| (10%Imax) 79.9705 | — |
| (20%Imax) 159.941 | — |
| (30%Imax) 239.912 | — |
| (40%Imax) 319.882 | — |
| (50%Imax) 399.853 | — |
| (60%Imax) 479.823 | — |
| (70%Imax) 559.794 | — |
| (80%Imax) 639.764 | — |
| (90%Imax) 719.735 | — |

lumini

Luminance Limiting Curve(no luminous side)

Luminance Table

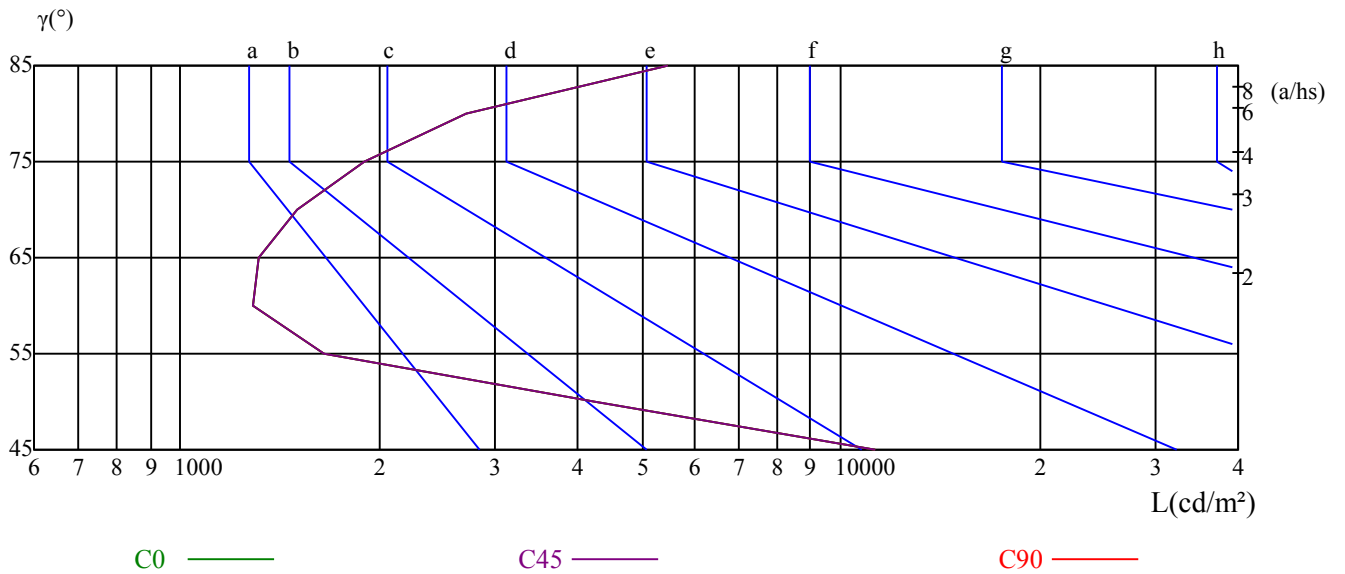
| $\gamma$ | 45    | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
|----------|-------|------|------|------|------|------|------|------|------|
| C0       | 11268 | 4255 | 1652 | 1288 | 1314 | 1501 | 1894 | 2715 | 5463 |
| C45      | 11268 | 4255 | 1652 | 1288 | 1314 | 1501 | 1894 | 2715 | 5463 |
| C90      | 11268 | 4255 | 1652 | 1288 | 1314 | 1501 | 1894 | 2715 | 5463 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1314       | 1314       | 1314    | 1894       | 1894       | 1894    | 5463       | 5463       | 5463    |

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



| 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       | 15.93            | 16.88 | 16.29 | 17.19 | 17.50    | 16.54          | 17.49 | 16.90 | 17.80 | 18.11 |
|   | 3H       | 15.76            | 16.60 | 16.14 | 16.93 | 17.28    | 16.37          | 17.21 | 16.75 | 17.55 | 17.89 |
|   | 4H       | 15.69            | 16.47 | 16.09 | 16.82 | 17.19    | 16.30          | 17.08 | 16.70 | 17.43 | 17.80 |
|   | 6H       | 15.67            | 16.38 | 16.09 | 16.76 | 17.16    | 16.29          | 17.00 | 16.71 | 17.38 | 17.78 |
|   | 8H       | 15.67            | 16.35 | 16.09 | 16.73 | 17.14    | 16.29          | 16.96 | 16.71 | 17.35 | 17.76 |
|   | 12H      | 15.70            | 16.34 | 16.13 | 16.74 | 17.16    | 16.33          | 16.97 | 16.76 | 17.37 | 17.79 |
| 4H  | 2H       | 15.63            | 16.40 | 16.03 | 16.76 | 17.13    | 16.23          | 17.01 | 16.63 | 17.36 | 17.73 |
|   | 3H       | 15.44            | 16.09 | 15.86 | 16.48 | 16.90    | 16.04          | 16.69 | 16.47 | 17.09 | 17.51 |
|   | 4H       | 15.43            | 15.99 | 15.87 | 16.41 | 16.86    | 16.03          | 16.60 | 16.47 | 17.02 | 17.47 |
|   | 6H       | 15.42            | 15.92 | 15.90 | 16.37 | 16.82    | 16.03          | 16.53 | 16.51 | 16.98 | 17.44 |
|   | 8H       | 15.49            | 15.95 | 15.98 | 16.41 | 16.89    | 16.10          | 16.56 | 16.59 | 17.02 | 17.49 |
|   | 12H      | 15.64            | 16.06 | 16.13 | 16.51 | 17.04    | 16.26          | 16.68 | 16.75 | 17.14 | 17.66 |
| 8H  | 4H       | 15.28            | 15.73 | 15.76 | 16.19 | 16.67    | 15.87          | 16.33 | 16.36 | 16.79 | 17.27 |
|   | 6H       | 15.34            | 15.71 | 15.84 | 16.19 | 16.70    | 15.93          | 16.31 | 16.44 | 16.79 | 17.30 |
|   | 8H       | 15.54            | 15.85 | 16.07 | 16.37 | 16.87    | 16.12          | 16.44 | 16.66 | 16.96 | 17.46 |
|   | 12H      | 15.81            | 16.05 | 16.36 | 16.57 | 17.10    | 16.41          | 16.65 | 16.96 | 17.17 | 17.70 |
| 12H   | 4H       | 15.24            | 15.66 | 15.73 | 16.12 | 16.64    | 15.84          | 16.26 | 16.33 | 16.71 | 17.23 |
|   | 6H       | 15.38            | 15.69 | 15.91 | 16.21 | 16.71    | 15.96          | 16.28 | 16.50 | 16.80 | 17.30 |
|   | 8H       | 15.59            | 15.83 | 16.13 | 16.34 | 16.87    | 16.16          | 16.40 | 16.70 | 16.92 | 17.44 |
| Variation with the observer position at spacings: |          |                  |       |       |       |          |                |       |       |       |       |
| S = 1.0H  | 5.0/-9.9 |                  |       |       |       | 5.0/-9.9 |                |       |       |       |       |
| S = 1.5H  | 7.5/-8.1 |                  |       |       |       | 7.5/-8.1 |                |       |       |       |       |
| S = 2.0H  | 9.3/-6.8 |                  |       |       |       | 9.3/-6.8 |                |       |       |       |       |
| Standard tables:                                  | BK1      |                  |       |       |       | BK1      |                |       |       |       |       |
| Uncorrected UGR                                   | -2.2     |                  |       |       |       | -2.2     |                |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25