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## lumini

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LumCAT:

Luminaire: mini frame darklight 17 serie 3 e fc

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0700

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 7.5600

Lamp flux(lm): 730.0

PF: 0.5730

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 610.92, Efficiency(%): 83.69% , Luminous Efficacy(lm/W): 80.81

Central intensity(cd): 3366.420, Maximum intensity(cd): 3366.420

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

Beam angle of C0 plane : 20.37

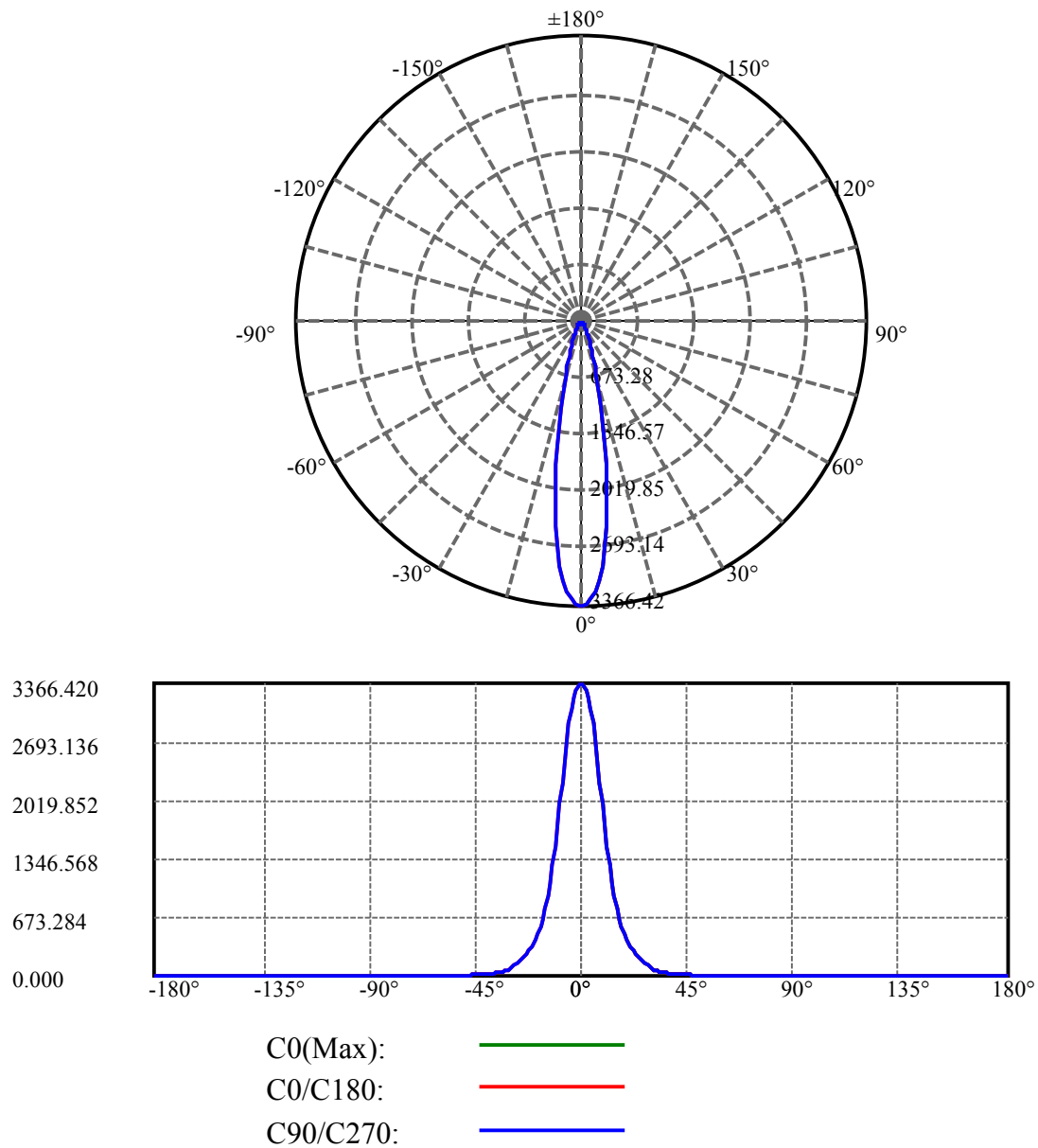
Aveage BeamAngle(IEC 61341):20.37

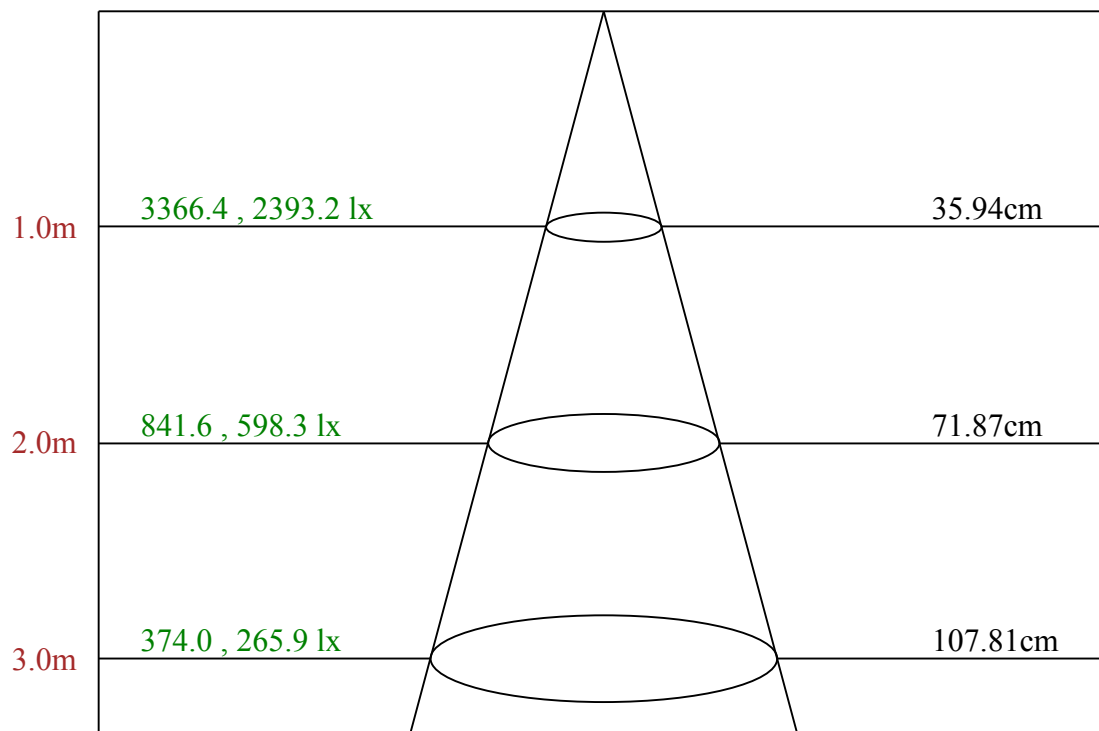
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Equipment: equipamento lumini  
Temperature(°C): 26.3

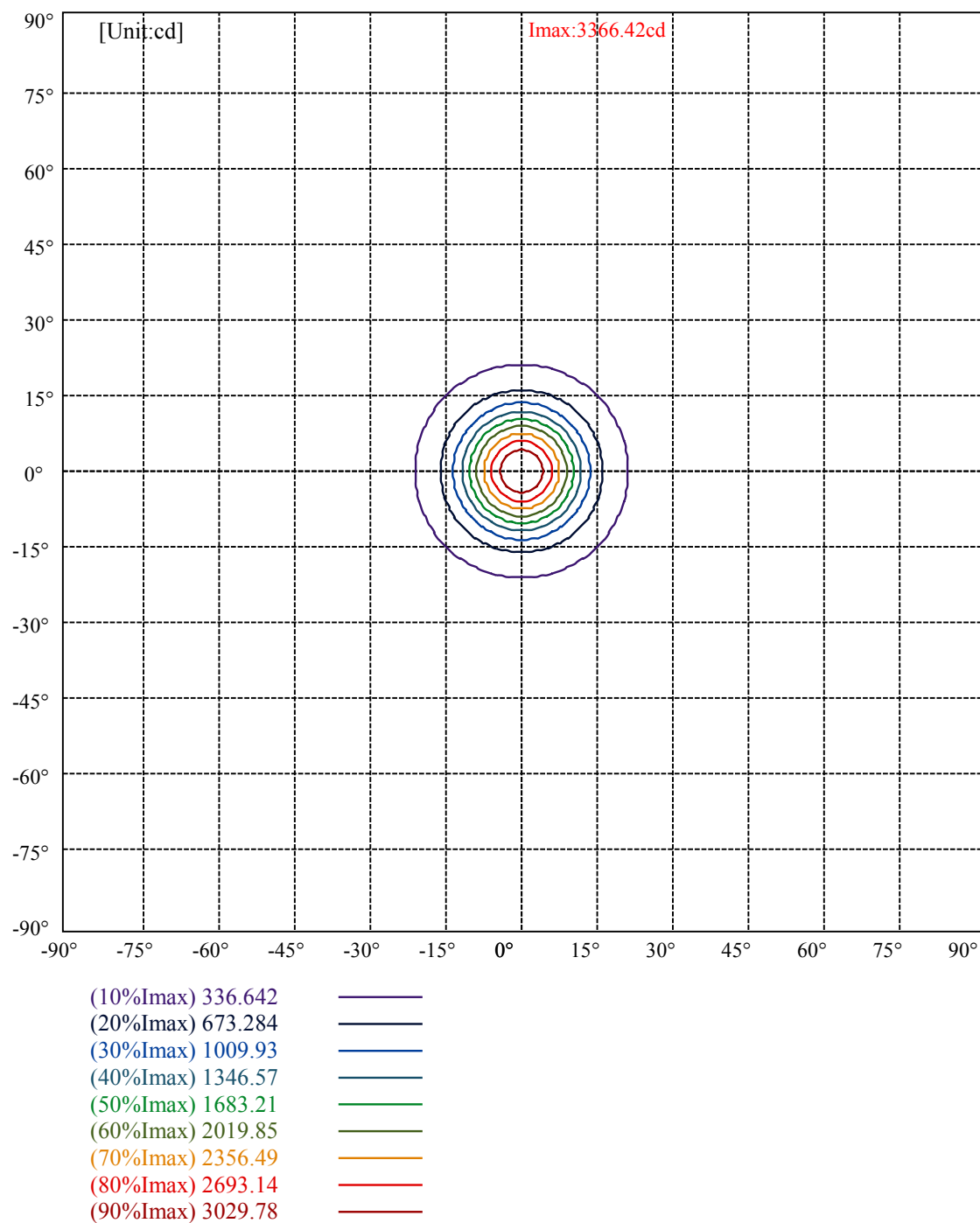
Date: 12/02/2025  
Humidity(%): 57.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 20.37



# lumini

## Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

| $\gamma$ | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
|----------|------|------|------|------|------|------|------|------|------|
| C0       | 4265 | 2849 | 1798 | 1318 | 1130 | 1305 | 1707 | 2545 | 5104 |
| C45      | 4265 | 2849 | 1798 | 1318 | 1130 | 1305 | 1707 | 2545 | 5104 |
| C90      | 4265 | 2849 | 1798 | 1318 | 1130 | 1305 | 1707 | 2545 | 5104 |

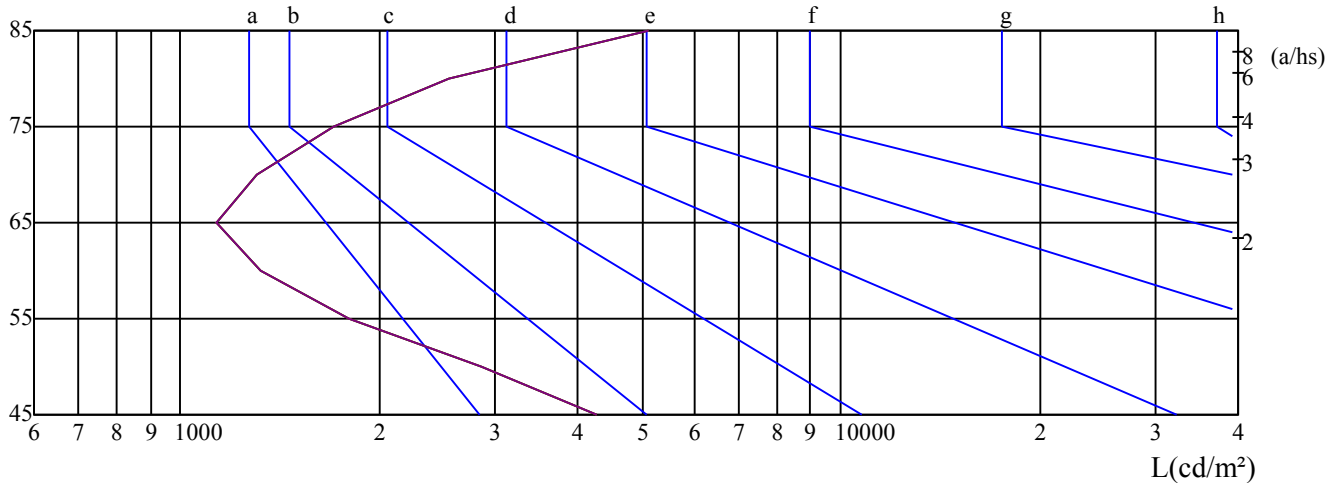
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1130       | 1130       | 1130    | 1707       | 1707       | 1707    | 5104       | 5104       | 5104    |

Glare Table

| Glare | Quality | Service Values Illuminance(lx) |      |      |            |            |            |            |            |
|-------|---------|--------------------------------|------|------|------------|------------|------------|------------|------------|
| 1.15  | A       | 2000                           | 1000 | 500  | $\leq 300$ |            |            |            |            |
| 1.5   | B       |                                | 2000 | 1000 | 500        | $\leq 300$ |            |            |            |
| 1.85  | C       |                                |      | 2000 | 1000       | 500        | $\leq 300$ |            |            |
| 2.2   | D       |                                |      |      | 2000       | 1000       | 500        | $\leq 300$ |            |
| 2.55  | E       |                                |      |      |            | 2000       | 1000       | 500        | $\leq 300$ |
|       |         | a                              | b    | c    | d          | e          | f          | g          | h          |

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 —

C45 —

C90 —

Equipment: equipamento lumini  
Temperature( $^{\circ}$ C): 26.3

Date: 12/02/2025  
Humidity(%): 57.0%

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  | 10.09            | 11.00 | 10.50 | 11.35 | 11.72 | 9.79           | 10.70 | 10.20 | 11.05 | 11.42 |
|                                                   | 3H  | 10.12            | 10.93 | 10.55 | 11.31 | 11.70 | 9.82           | 10.63 | 10.25 | 11.01 | 11.41 |
|                                                   | 4H  | 10.27            | 11.02 | 10.71 | 11.41 | 11.83 | 9.96           | 10.70 | 10.40 | 11.10 | 11.52 |
|                                                   | 6H  | 10.66            | 11.34 | 11.12 | 11.76 | 12.21 | 10.32          | 11.00 | 10.78 | 11.42 | 11.87 |
|                                                   | 8H  | 10.96            | 11.61 | 11.42 | 12.04 | 12.50 | 10.59          | 11.24 | 11.05 | 11.66 | 12.12 |
|                                                   | 12H | 11.44            | 12.06 | 11.91 | 12.49 | 12.96 | 11.04          | 11.65 | 11.50 | 12.09 | 12.55 |
| 4H                                                | 2H  | 9.93             | 10.68 | 10.37 | 11.07 | 11.49 | 9.64           | 10.39 | 10.08 | 10.78 | 11.20 |
|                                                   | 3H  | 10.04            | 10.66 | 10.50 | 11.10 | 11.56 | 9.76           | 10.38 | 10.22 | 10.82 | 11.28 |
|                                                   | 4H  | 10.36            | 10.90 | 10.83 | 11.36 | 11.86 | 10.06          | 10.60 | 10.54 | 11.06 | 11.56 |
|                                                   | 6H  | 10.95            | 11.43 | 11.46 | 11.92 | 12.42 | 10.62          | 11.09 | 11.13 | 11.58 | 12.08 |
|                                                   | 8H  | 11.45            | 11.89 | 11.98 | 12.39 | 12.91 | 11.08          | 11.52 | 11.61 | 12.02 | 12.54 |
|                                                   | 12H | 12.20            | 12.60 | 12.72 | 13.09 | 13.66 | 11.79          | 12.19 | 12.31 | 12.68 | 13.25 |
| 8H                                                | 4H  | 10.39            | 10.83 | 10.91 | 11.33 | 11.85 | 10.11          | 10.55 | 10.63 | 11.05 | 11.57 |
|                                                   | 6H  | 11.23            | 11.59 | 11.77 | 12.10 | 12.66 | 10.92          | 11.28 | 11.46 | 11.79 | 12.35 |
|                                                   | 8H  | 11.98            | 12.28 | 12.55 | 12.84 | 13.38 | 11.64          | 11.94 | 12.21 | 12.50 | 13.04 |
|                                                   | 12H | 13.01            | 13.24 | 13.59 | 13.80 | 14.36 | 12.63          | 12.86 | 13.21 | 13.41 | 13.98 |
| 12H                                               | 4H  | 10.41            | 10.82 | 10.94 | 11.31 | 11.88 | 10.15          | 10.55 | 10.67 | 11.04 | 11.61 |
|                                                   | 6H  | 11.38            | 11.68 | 11.95 | 12.24 | 12.79 | 11.10          | 11.40 | 11.66 | 11.95 | 12.50 |
|                                                   | 8H  | 12.21            | 12.44 | 12.79 | 12.99 | 13.56 | 11.89          | 12.12 | 12.47 | 12.67 | 13.24 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H                                          |     | 3.4/-2.9         |       |       |       |       | 3.4/-2.9       |       |       |       |       |
| S = 1.5H                                          |     | 4.6/-2.4         |       |       |       |       | 4.6/-2.4       |       |       |       |       |
| S = 2.0H                                          |     | 5.4/-2.0         |       |       |       |       | 5.4/-2.0       |       |       |       |       |
| Standard tables:                                  |     | BKBF             |       |       |       |       | BKBF           |       |       |       |       |
| Uncorrected UGR                                   |     | -4.4             |       |       |       |       | -4.4           |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25