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## lumini

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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fm

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0620

Number of Lamps: 1

Power (W): 7.8400

Lamp flux(lm): 700.0

PF: 0.9500

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 583.00, Efficiency(%): 83.29% , Luminous Efficacy(lm/W): 74.36

Central intensity(cd): 1921.968, Maximum intensity(cd): 1921.968

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

Beam angle of C0 plane : 31.31

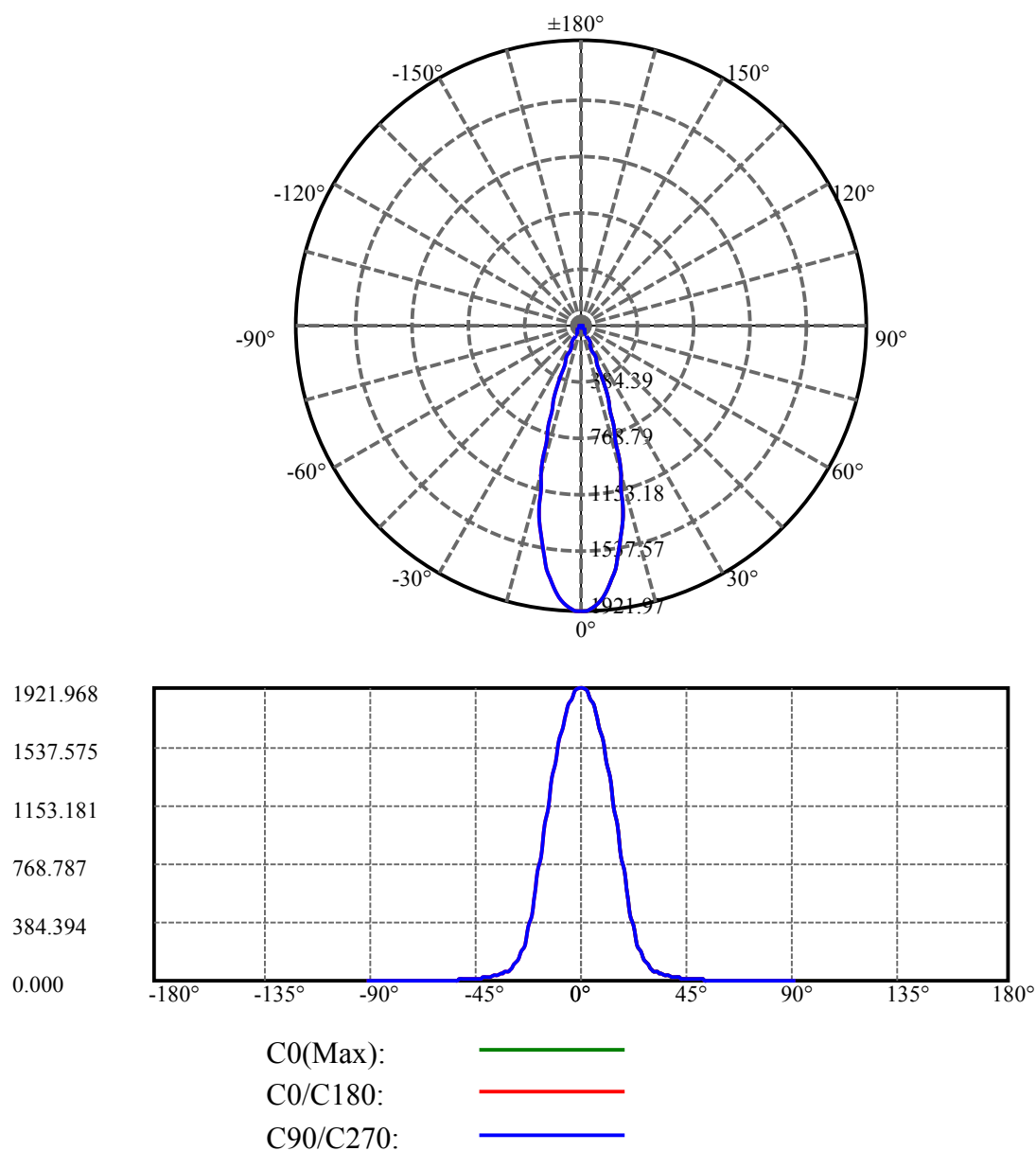
Aveage BeamAngle(IEC 61341):31.31

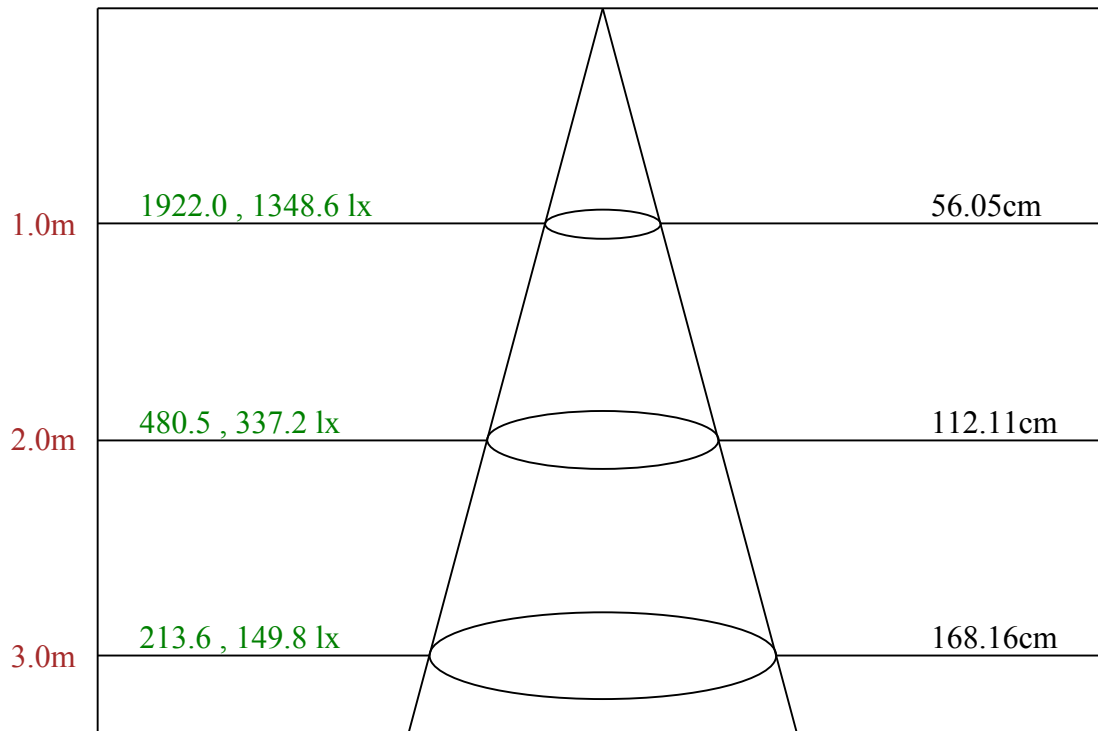
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Equipment: equipamento lumini  
Temperature(°C): 25.5

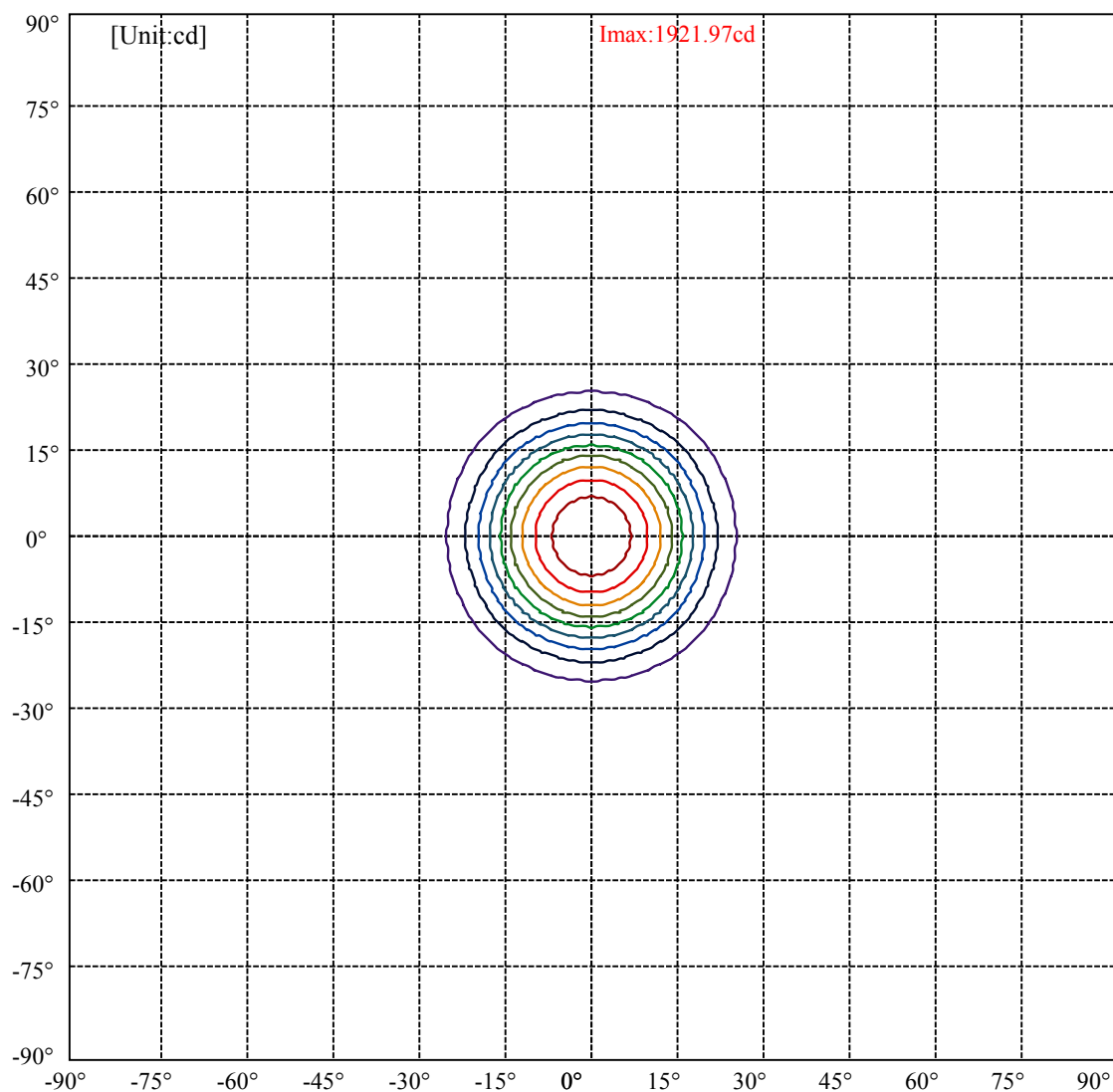
Date: 7/24/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 31.31



|                                |       |
|--------------------------------|-------|
| (10%I <sub>max</sub> ) 192.197 | ————— |
| (20%I <sub>max</sub> ) 384.394 | ————— |
| (30%I <sub>max</sub> ) 576.59  | ————— |
| (40%I <sub>max</sub> ) 768.787 | ————— |
| (50%I <sub>max</sub> ) 960.984 | ————— |
| (60%I <sub>max</sub> ) 1153.18 | ————— |
| (70%I <sub>max</sub> ) 1345.38 | ————— |
| (80%I <sub>max</sub> ) 1537.57 | ————— |
| (90%I <sub>max</sub> ) 1729.77 | ————— |

# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

| $\gamma$ | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
|----------|------|------|------|------|------|------|------|------|------|
| C0       | 9275 | 5694 | 3393 | 2535 | 2464 | 2645 | 3334 | 4867 | 9491 |
| C45      | 9275 | 5694 | 3393 | 2535 | 2464 | 2645 | 3334 | 4867 | 9491 |
| C90      | 9275 | 5694 | 3393 | 2535 | 2464 | 2645 | 3334 | 4867 | 9491 |

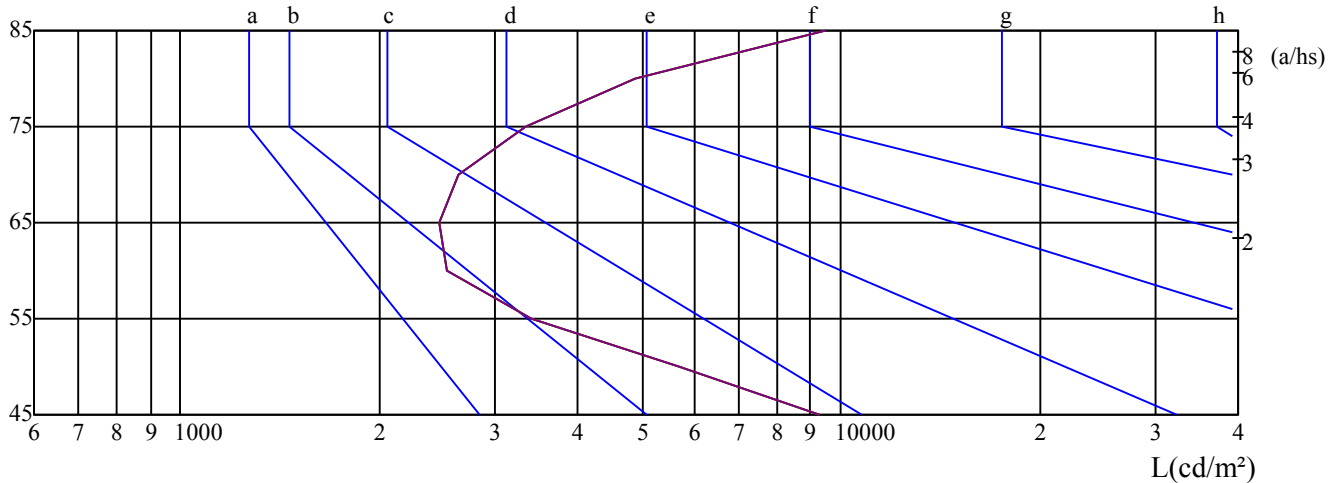
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 2464       | 2464       | 2464    | 3334       | 3334       | 3334    | 9491       | 9491       | 9491    |

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): 25.5

Date: 7/24/2024  
Humidity(%): 55.0%

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  | 11.11            | 12.04 | 11.47 | 12.35 | 12.66 | 10.80          | 11.72 | 11.16 | 12.03 | 12.35 |
|                                                   | 3H  | 11.47            | 12.29 | 11.86 | 12.63 | 12.98 | 10.91          | 11.73 | 11.30 | 12.07 | 12.42 |
|                                                   | 4H  | 11.72            | 12.48 | 12.12 | 12.84 | 13.21 | 11.14          | 11.90 | 11.54 | 12.26 | 12.63 |
|                                                   | 6H  | 12.17            | 12.86 | 12.59 | 13.24 | 13.64 | 11.65          | 12.35 | 12.07 | 12.72 | 13.12 |
|                                                   | 8H  | 12.50            | 13.17 | 12.93 | 13.55 | 13.96 | 12.06          | 12.72 | 12.48 | 13.11 | 13.52 |
|                                                   | 12H | 13.03            | 13.65 | 13.45 | 14.05 | 14.47 | 12.63          | 13.26 | 13.06 | 13.66 | 14.07 |
| 4H                                                | 2H  | 10.93            | 11.69 | 11.33 | 12.05 | 12.41 | 10.63          | 11.39 | 11.03 | 11.74 | 12.11 |
|                                                   | 3H  | 11.41            | 12.05 | 11.84 | 12.45 | 12.87 | 10.87          | 11.51 | 11.30 | 11.91 | 12.32 |
|                                                   | 4H  | 11.87            | 12.42 | 12.31 | 12.85 | 13.30 | 11.32          | 11.87 | 11.76 | 12.30 | 12.75 |
|                                                   | 6H  | 12.54            | 13.03 | 13.02 | 13.48 | 13.94 | 12.08          | 12.57 | 12.56 | 13.02 | 13.48 |
|                                                   | 8H  | 13.09            | 13.54 | 13.57 | 14.00 | 14.47 | 12.72          | 13.17 | 13.21 | 13.63 | 14.10 |
|                                                   | 12H | 13.88            | 14.29 | 14.37 | 14.74 | 15.27 | 13.56          | 13.97 | 14.05 | 14.43 | 14.95 |
| 8H                                                | 4H  | 11.96            | 12.41 | 12.44 | 12.87 | 13.34 | 11.46          | 11.91 | 11.95 | 12.37 | 12.84 |
|                                                   | 6H  | 12.90            | 13.27 | 13.41 | 13.75 | 14.26 | 12.52          | 12.88 | 13.02 | 13.36 | 13.88 |
|                                                   | 8H  | 13.71            | 14.02 | 14.24 | 14.54 | 15.04 | 13.43          | 13.73 | 13.96 | 14.26 | 14.75 |
|                                                   | 12H | 14.79            | 15.02 | 15.34 | 15.54 | 16.07 | 14.55          | 14.79 | 15.10 | 15.30 | 15.83 |
| 12H                                               | 4H  | 12.00            | 12.41 | 12.49 | 12.87 | 13.39 | 11.52          | 11.93 | 12.01 | 12.38 | 12.91 |
|                                                   | 6H  | 13.09            | 13.40 | 13.63 | 13.92 | 14.42 | 12.73          | 13.04 | 13.27 | 13.56 | 14.06 |
|                                                   | 8H  | 13.98            | 14.21 | 14.53 | 14.73 | 15.26 | 13.72          | 13.96 | 14.27 | 14.47 | 15.00 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H                                          |     | 2.9/-3.0         |       |       |       |       | 2.9/-3.0       |       |       |       |       |
| S = 1.5H                                          |     | 4.3/-2.5         |       |       |       |       | 4.3/-2.5       |       |       |       |       |
| S = 2.0H                                          |     | 5.1/-2.1         |       |       |       |       | 5.1/-2.1       |       |       |       |       |
| Standard tables:                                  |     | BK4              |       |       |       |       | BK4            |       |       |       |       |
| Uncorrected UGR                                   |     | -4.5             |       |       |       |       | -4.5           |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25