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## lumini

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LumCAT:

Luminaire: no frame a ring w

LampCAT: modulo led 1W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.9700

Test No:

Current(A): 0.0300

Number of Lamps: 1

Power (W): 1.5070

Lamp flux(lm): 165.0

PF: 0.3910

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 12.70, Efficiency(%): 7.70% , Luminous Efficacy(lm/W): 8.43

Central intensity(cd): 0.143, Maximum intensity(cd): 3.380

Angle of maximum intensity: C=90.0  $\gamma$ =80.0

Beam angle of C90 plane : 211.67

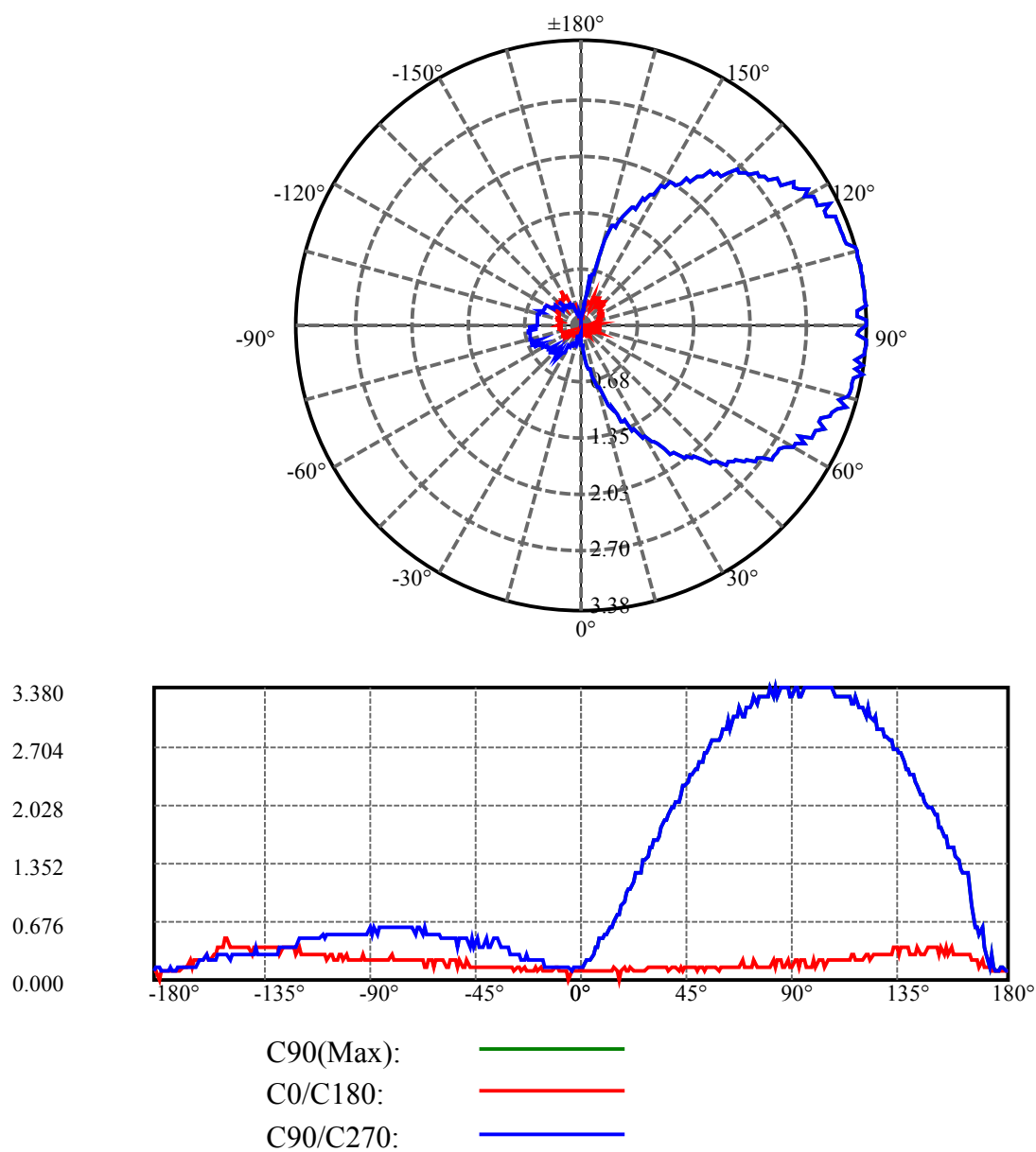
Average BeamAngle(IEC 61341): 180.10

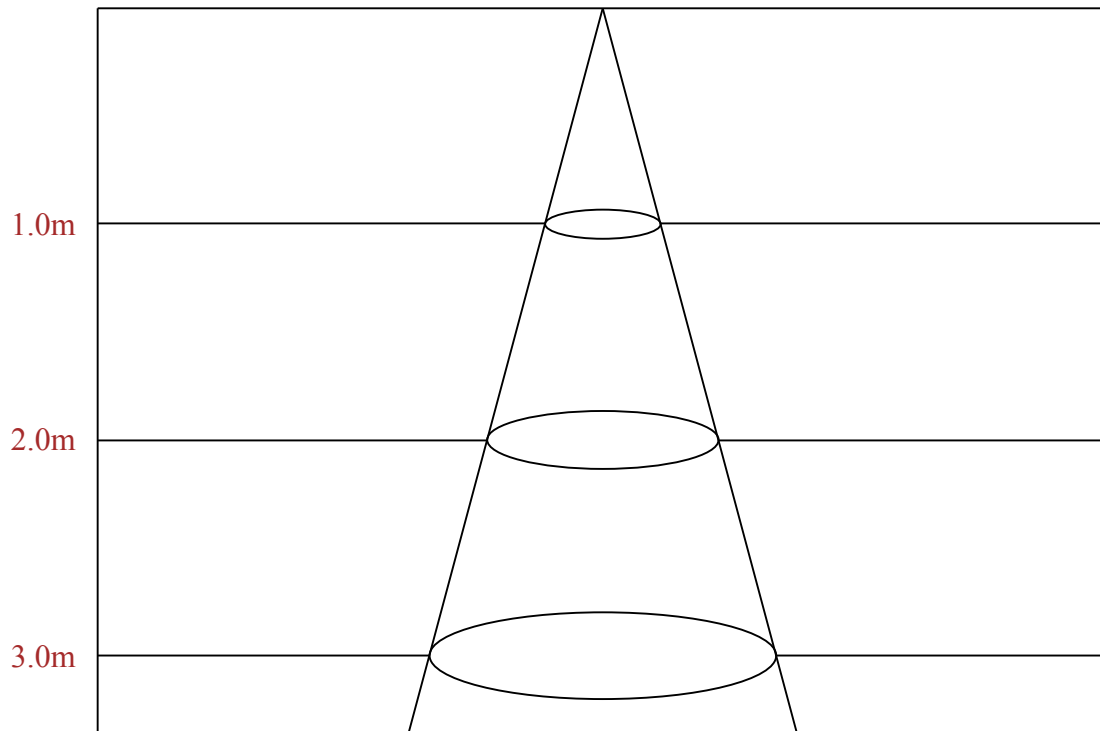
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Equipment: equipamento lumini  
Temperature(°C): 25.0

Date: 10/06/2025  
Humidity(%): 58.0%

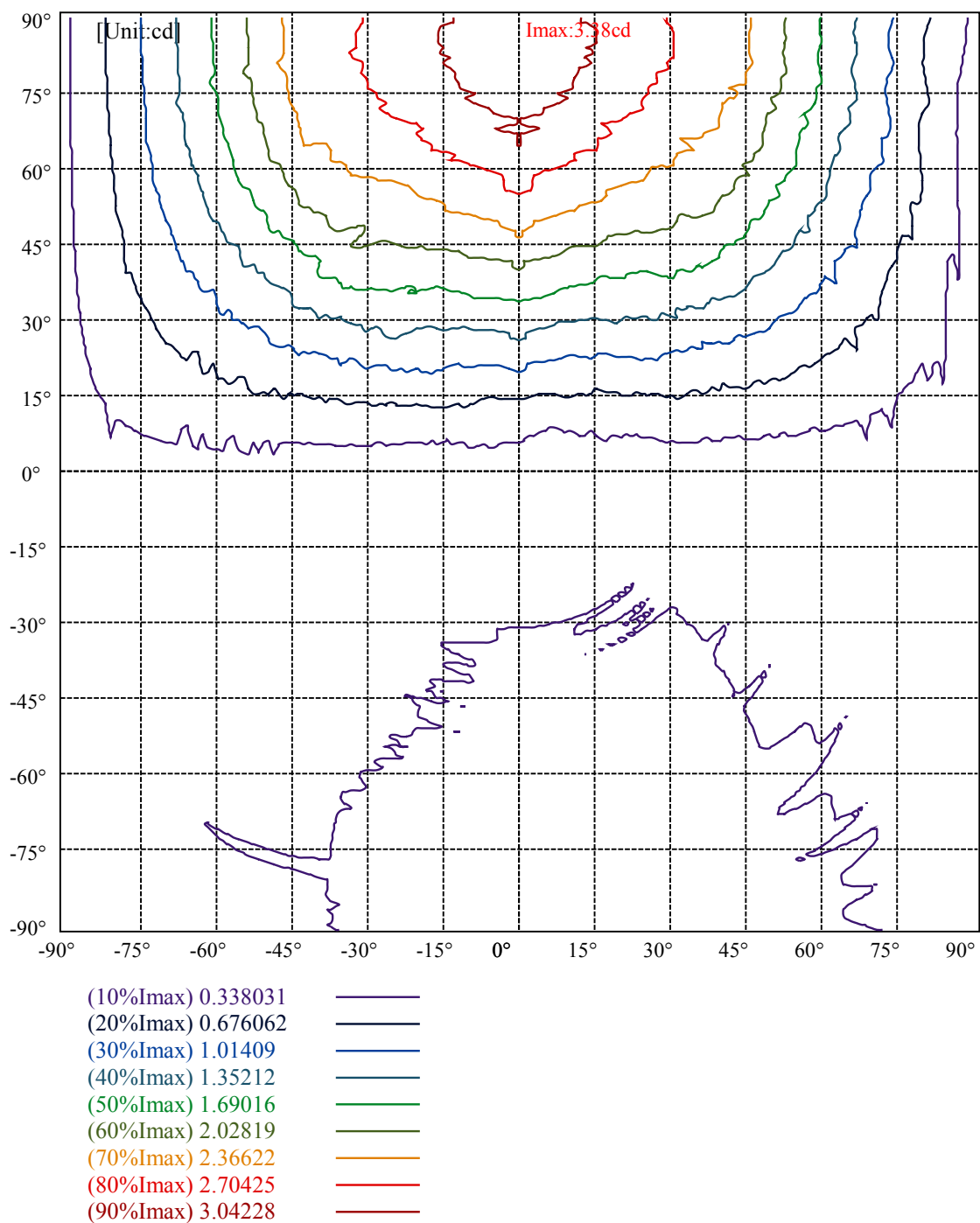
Operator: 01  
Distance(m): 6.90





Max , Ave

Beam angle of C90 plane 211.67



# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

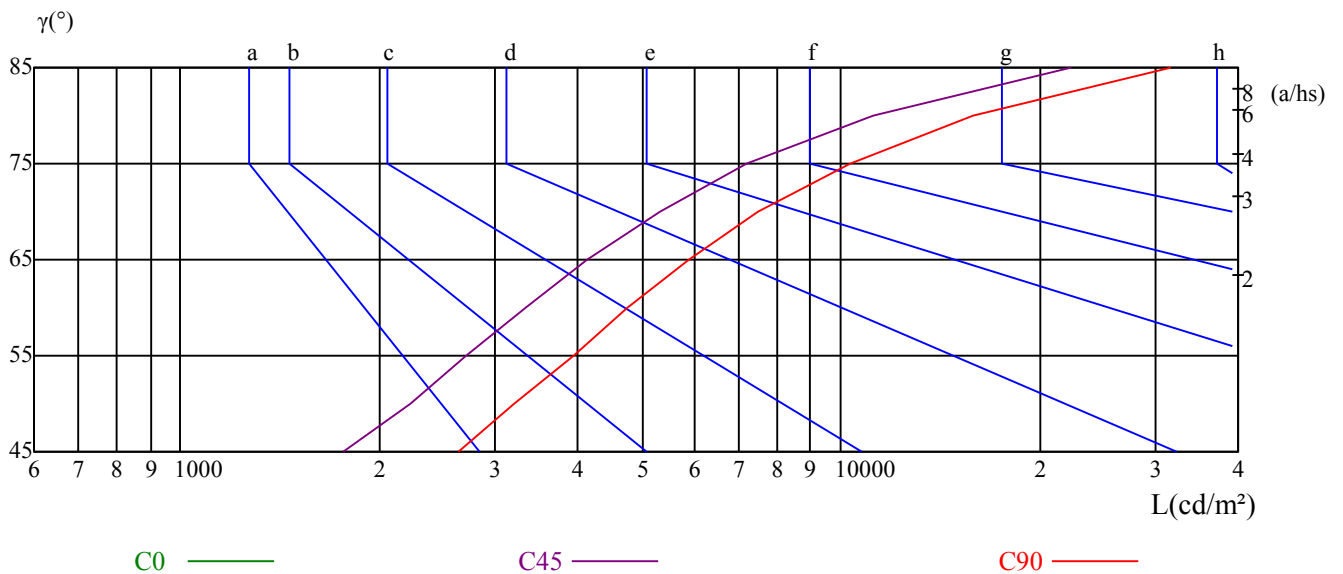
| $\gamma$ | 45   | 50   | 55   | 60   | 65   | 70   | 75    | 80    | 85    |
|----------|------|------|------|------|------|------|-------|-------|-------|
| C0       | 165  | 181  | 203  | 233  | 276  | 341  | 450   | 671   | 1338  |
| C45      | 1759 | 2237 | 2710 | 3342 | 4138 | 5341 | 7208  | 11191 | 22296 |
| C90      | 2638 | 3205 | 3930 | 4742 | 5886 | 7500 | 10361 | 15891 | 31661 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 276        | 3449       | 2437    | 601        | 6157       | 4205    | 1784       | 18729      | 13043   |

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



Equipment: equipamento lumini  
Temperature(°C): 25.0

Date: 10/06/2025  
Humidity(%): 58.0%

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  | 9.29             | 10.30 | 10.22 | 11.28 | 12.56 | 15.91          | 16.92 | 16.84 | 17.90 | 19.18 |
|   | 3H  | 11.51            | 12.45 | 12.45 | 13.44 | 14.73 | 20.02          | 20.97 | 20.97 | 21.96 | 23.25 |
|   | 4H  | 12.57            | 13.47 | 13.52 | 14.47 | 15.77 | 22.25          | 23.14 | 23.20 | 24.14 | 25.44 |
|   | 6H  | 13.55            | 14.40 | 14.51 | 15.40 | 16.72 | 24.69          | 25.54 | 25.65 | 26.54 | 27.86 |
|   | 8H  | 14.09            | 14.92 | 15.06 | 15.92 | 17.24 | 26.00          | 26.83 | 26.96 | 27.83 | 29.15 |
|   | 12H | 14.66            | 15.46 | 15.63 | 16.47 | 17.80 | 27.46          | 28.26 | 28.43 | 29.27 | 30.59 |
| 4H  | 2H  | 13.17            | 14.06 | 14.12 | 15.06 | 16.36 | 16.73          | 17.63 | 17.68 | 18.62 | 19.92 |
|   | 3H  | 15.68            | 16.48 | 16.65 | 17.49 | 18.82 | 21.01          | 21.81 | 21.98 | 22.82 | 24.15 |
|   | 4H  | 16.99            | 17.73 | 17.97 | 18.74 | 20.08 | 23.46          | 24.20 | 24.44 | 25.21 | 26.55 |
|   | 6H  | 18.13            | 18.81 | 19.13 | 19.83 | 21.17 | 26.07          | 26.74 | 27.06 | 27.77 | 29.10 |
|   | 8H  | 18.73            | 19.36 | 19.73 | 20.39 | 21.74 | 27.52          | 28.16 | 28.52 | 29.19 | 30.53 |
|   | 12H | 19.30            | 19.89 | 20.30 | 20.91 | 22.28 | 29.16          | 29.75 | 30.15 | 30.77 | 32.14 |
| 8H  | 4H  | 19.70            | 20.33 | 20.69 | 21.36 | 22.70 | 23.98          | 24.61 | 24.97 | 25.64 | 26.98 |
|   | 6H  | 21.41            | 21.96 | 22.42 | 22.99 | 24.36 | 26.86          | 27.41 | 27.87 | 28.44 | 29.81 |
|   | 8H  | 22.33            | 22.82 | 23.35 | 23.87 | 25.24 | 28.57          | 29.05 | 29.58 | 30.10 | 31.47 |
|   | 12H | 23.09            | 23.52 | 24.11 | 24.59 | 25.95 | 30.41          | 30.84 | 31.43 | 31.91 | 33.27 |
| 12H   | 4H  | 20.55            | 21.14 | 21.54 | 22.16 | 23.53 | 24.07          | 24.66 | 25.07 | 25.68 | 27.06 |
|   | 6H  | 22.66            | 23.15 | 23.68 | 24.20 | 25.57 | 27.11          | 27.60 | 28.13 | 28.65 | 30.02 |
|   | 8H  | 23.78            | 24.21 | 24.79 | 25.27 | 26.63 | 28.87          | 29.30 | 29.88 | 30.36 | 31.72 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H  |     | 0.2/-1.6         |       |       |       |       | 0.2/-0.8       |       |       |       |       |
| S = 1.5H  |     | 0.2/-1.6         |       |       |       |       | 0.2/-0.8       |       |       |       |       |
| S = 2.0H  |     | 0.1/-1.4         |       |       |       |       | 0.3/-0.8       |       |       |       |       |
| Standard tables:                                  |     | BKBF             |       |       |       |       | BK12           |       |       |       |       |
| Uncorrected UGR                                   |     | 11.5             |       |       |       |       | 6.5            |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25