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## lumini

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LumCAT:

Luminaire: concentra 8 c serie 3 fa

LampCAT: modulo led 3W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.9300

Test No:

Current(A): 0.0630

Number of Lamps: 1

Power (W): 3.7990

Lamp flux(lm): 395.0

PF: 0.4700

Length(mm): 70

Width(mm): 17

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 244.37, Efficiency(%): 61.87% , Luminous Efficacy(lm/W): 64.32

Central intensity(cd): 344.934, Maximum intensity(cd): 344.934

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

Beam angle of C0 plane : 49.47

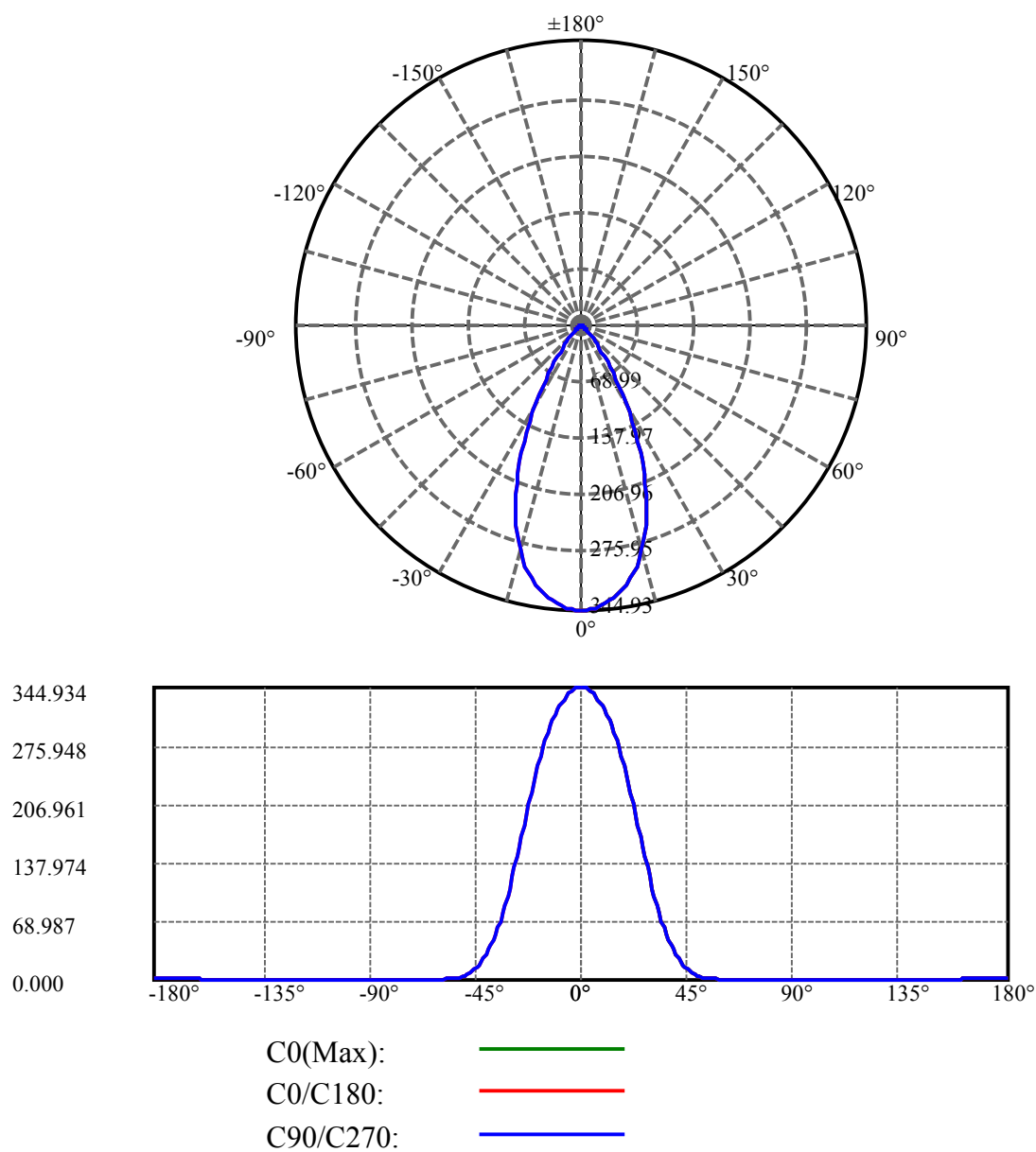
Average BeamAngle(IEC 61341): 49.47

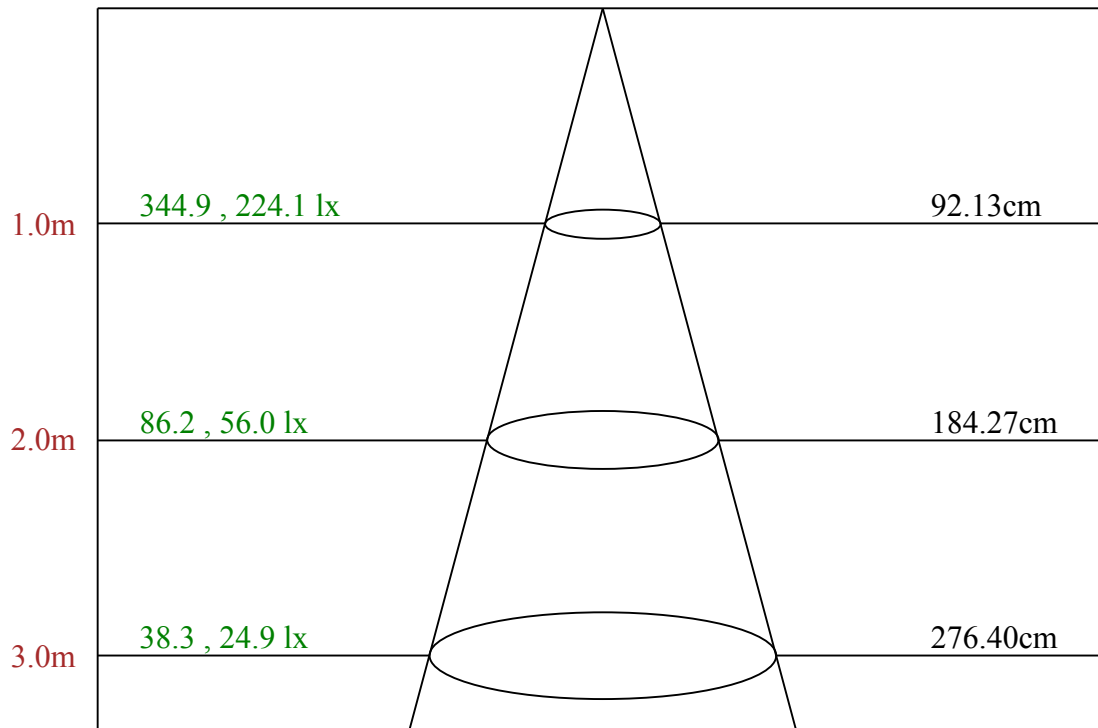
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Equipment: equipamento lumini  
Temperature(°C): 25.5

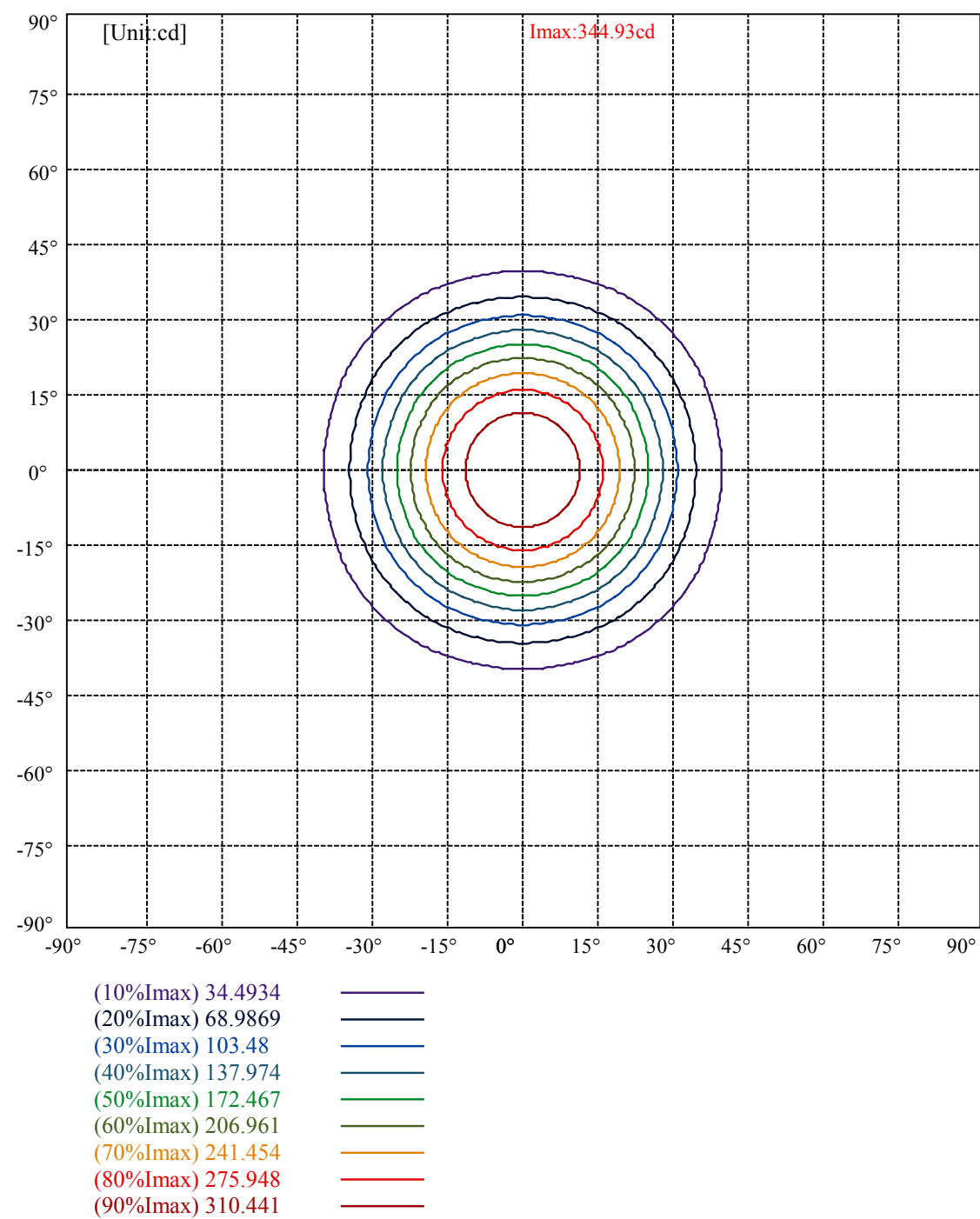
Date: 14/05/2025  
Humidity(%): 60.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 49.47



## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

| $\gamma$ | 45    | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
|----------|-------|------|------|------|------|------|------|------|------|
| C0       | 14131 | 4738 | 1866 | 1610 | 1669 | 1799 | 2203 | 3168 | 6369 |
| C45      | 14131 | 4738 | 1866 | 1610 | 1669 | 1799 | 2203 | 3168 | 6369 |
| C90      | 14131 | 4738 | 1866 | 1610 | 1669 | 1799 | 2203 | 3168 | 6369 |

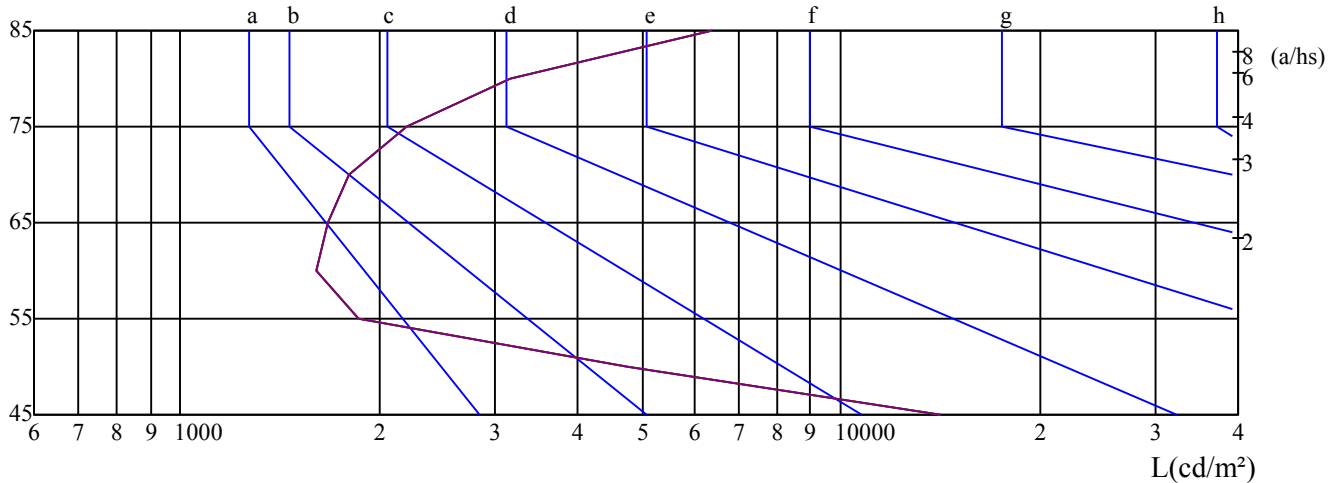
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1669       | 1669       | 1669    | 2203       | 2203       | 2203    | 6369       | 6369       | 6369    |

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: 14/05/2025  
Humidity(%): 60.0%

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  | 20.02            | 20.96 | 20.42 | 21.32 | 21.68 | 20.60          | 21.54 | 21.00 | 21.89 | 22.26 |
|                                                   | 3H  | 19.83            | 20.66 | 20.25 | 21.04 | 21.43 | 20.41          | 21.24 | 20.83 | 21.62 | 22.02 |
|                                                   | 4H  | 19.74            | 20.51 | 20.17 | 20.90 | 21.32 | 20.32          | 21.09 | 20.75 | 21.48 | 21.90 |
|                                                   | 6H  | 19.68            | 20.38 | 20.13 | 20.80 | 21.24 | 20.25          | 20.96 | 20.71 | 21.38 | 21.82 |
|                                                   | 8H  | 19.63            | 20.30 | 20.09 | 20.73 | 21.18 | 20.21          | 20.88 | 20.66 | 21.30 | 21.76 |
|                                                   | 12H | 19.61            | 20.24 | 20.07 | 20.68 | 21.14 | 20.17          | 20.81 | 20.64 | 21.25 | 21.71 |
| 4H                                                | 2H  | 19.71            | 20.48 | 20.15 | 20.88 | 21.29 | 20.29          | 21.06 | 20.73 | 21.45 | 21.87 |
|                                                   | 3H  | 19.48            | 20.13 | 19.95 | 20.56 | 21.03 | 20.06          | 20.71 | 20.53 | 21.14 | 21.61 |
|                                                   | 4H  | 19.43            | 19.99 | 19.91 | 20.45 | 20.95 | 20.01          | 20.57 | 20.48 | 21.03 | 21.52 |
|                                                   | 6H  | 19.35            | 19.84 | 19.85 | 20.33 | 20.82 | 19.92          | 20.41 | 20.43 | 20.90 | 21.40 |
|                                                   | 8H  | 19.34            | 19.80 | 19.86 | 20.29 | 20.81 | 19.91          | 20.36 | 20.43 | 20.86 | 21.38 |
|                                                   | 12H | 19.38            | 19.80 | 19.90 | 20.29 | 20.85 | 19.93          | 20.35 | 20.46 | 20.84 | 21.41 |
| 8H                                                | 4H  | 19.25            | 19.70 | 19.77 | 20.20 | 20.72 | 19.82          | 20.28 | 20.34 | 20.77 | 21.29 |
|                                                   | 6H  | 19.18            | 19.55 | 19.72 | 20.06 | 20.62 | 19.74          | 20.12 | 20.28 | 20.63 | 21.19 |
|                                                   | 8H  | 19.25            | 19.56 | 19.81 | 20.12 | 20.66 | 19.81          | 20.12 | 20.37 | 20.67 | 21.22 |
|                                                   | 12H | 19.35            | 19.59 | 19.92 | 20.14 | 20.70 | 19.88          | 20.12 | 20.45 | 20.67 | 21.24 |
| 12H                                               | 4H  | 19.20            | 19.62 | 19.72 | 20.11 | 20.67 | 19.77          | 20.19 | 20.30 | 20.68 | 21.24 |
|                                                   | 6H  | 19.18            | 19.49 | 19.74 | 20.05 | 20.59 | 19.74          | 20.05 | 20.31 | 20.61 | 21.15 |
|                                                   | 8H  | 19.23            | 19.47 | 19.80 | 20.02 | 20.58 | 19.78          | 20.02 | 20.35 | 20.57 | 21.14 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H                                          |     | 4.8/-10.2        |       |       |       |       | 4.8/-10.2      |       |       |       |       |
| S = 1.5H                                          |     | 7.4/-8.4         |       |       |       |       | 7.4/-8.4       |       |       |       |       |
| S = 2.0H                                          |     | 9.2/-7.1         |       |       |       |       | 9.2/-7.1       |       |       |       |       |
| Standard tables:                                  |     | BK1              |       |       |       |       | BK1            |       |       |       |       |
| Uncorrected UGR                                   |     | -1.1             |       |       |       |       | -1.1           |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25