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## lumini

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LumCAT:

Luminaire: minima gesso ww e

LampCAT: modulo led 4W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 128.0000

Test No:

Current(A): 0.0430

Number of Lamps: 1

Power (W): 5.1660

Lamp flux(lm): 381.0

PF: 0.0000

Length(mm): 6

Width(mm): 12

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 256.13, Efficiency(%): 67.22% , Luminous Efficacy(lm/W): 49.58

Central intensity(cd): 261.712, Maximum intensity(cd): 325.462

Angle of maximum intensity: C=315.0  $\gamma$ =16.0

Beam angle of C315 plane : 47.04

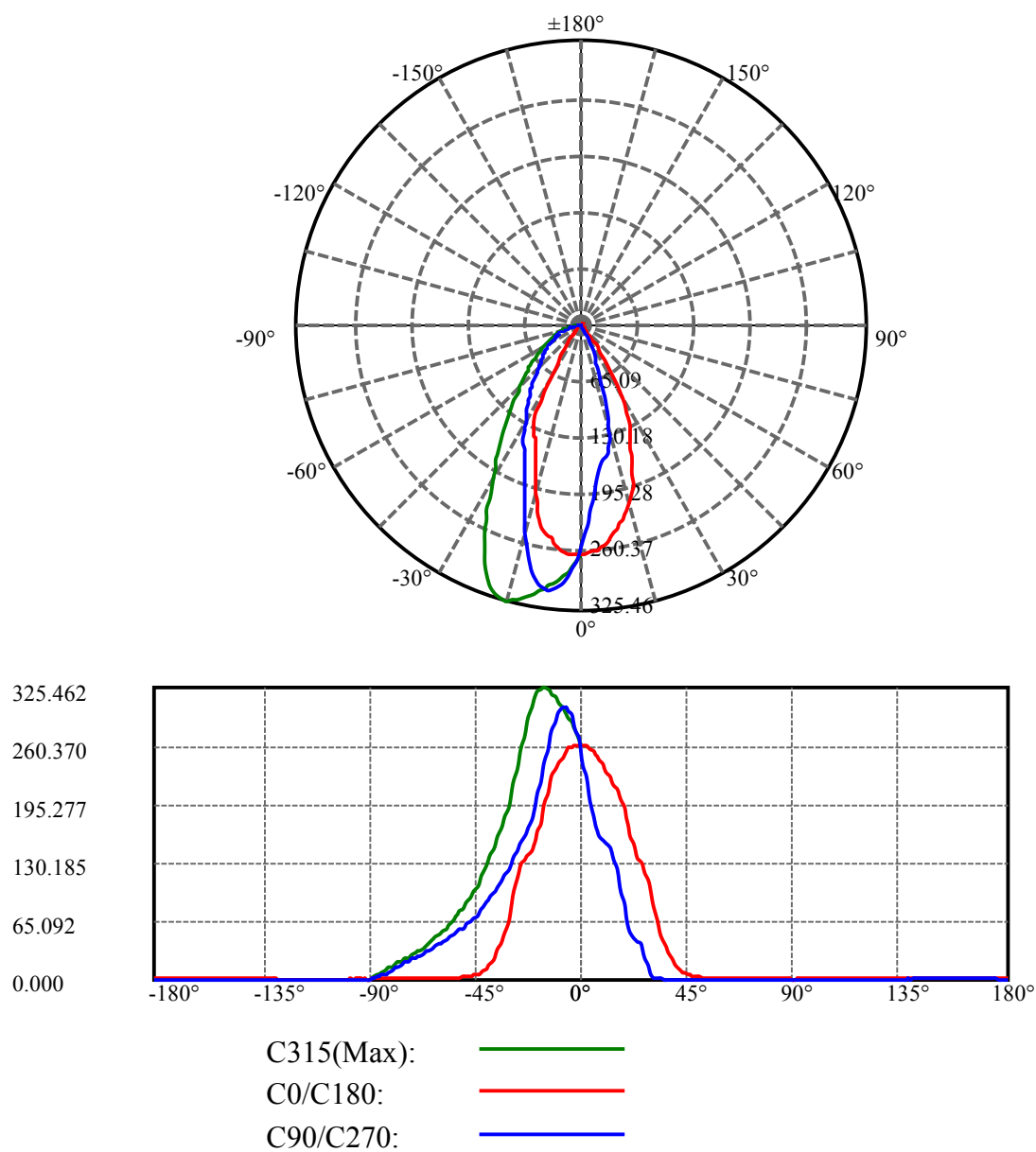
Aveage BeamAngle(IEC 61341):49.54

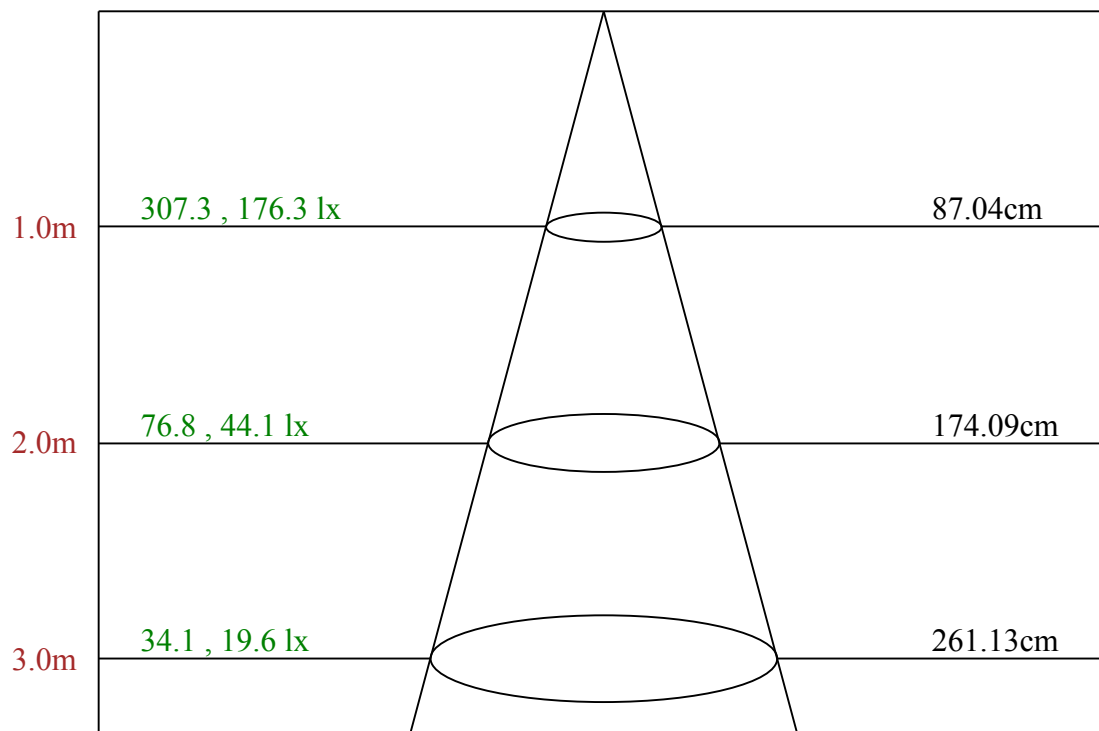
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Equipment: equipamento lumini  
Temperature(°C): 25.0

Date: 02/12/2024  
Humidity(%): 64.0%

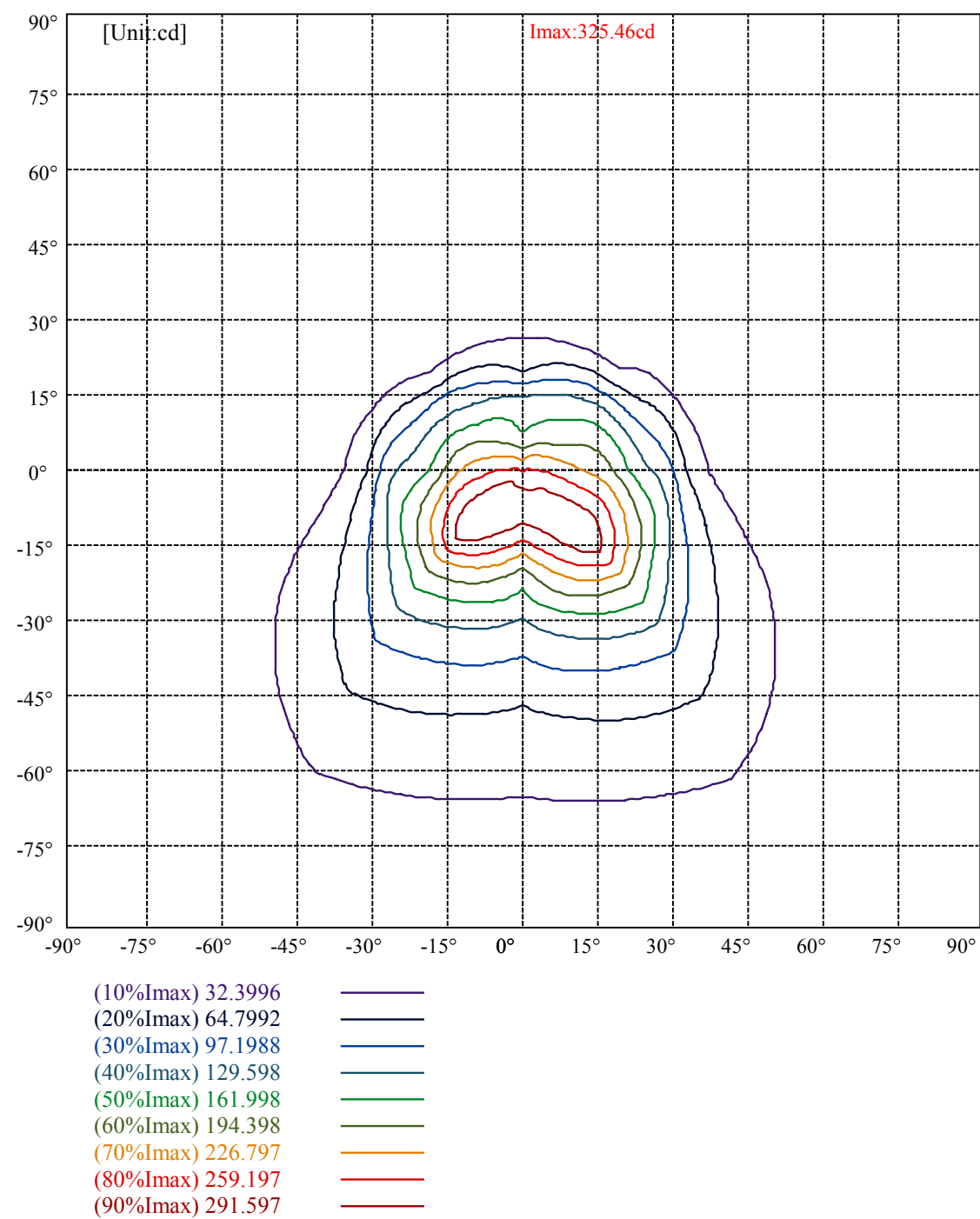
Operator: 01  
Distance(m): 6.90





Max , Ave

Beam angle of C315 plane 47.04



Luminance Table

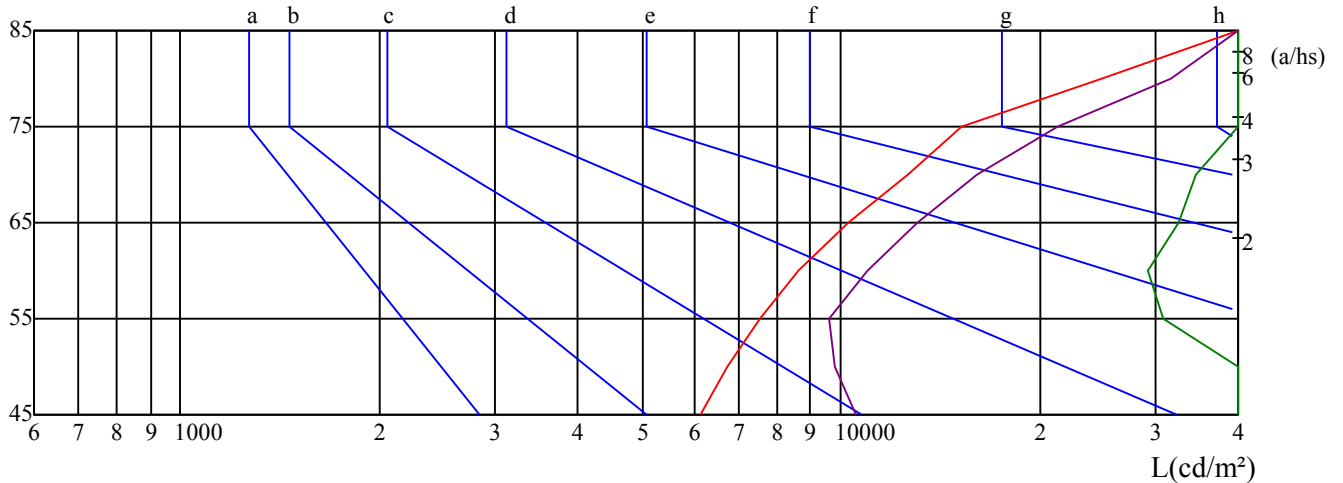
| $\gamma$ | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C0       | 72339 | 41013 | 30870 | 29117 | 32586 | 34513 | 41047 | 58914 | 99321 |
| C45      | 10573 | 9794  | 9604  | 11017 | 13034 | 16106 | 21284 | 31723 | 63204 |
| C90      | 6121  | 6733  | 7546  | 8656  | 10241 | 12655 | 15203 | 24925 | 49660 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 32121      | 312827     | 376835  | 41047      | 291889     | 354600  | 103835     | 227986     | 296833  |

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 ———

| 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  | 19.78            | 21.04 | 20.17 | 21.40 | 21.76 | 6.59           | 7.85  | 6.99  | 8.21  | 8.58  |
|   | 3H  | 20.09            | 21.23 | 20.51 | 21.61 | 22.00 | 9.15           | 10.28 | 9.57  | 10.66 | 11.06 |
|   | 4H  | 20.42            | 21.48 | 20.86 | 21.88 | 22.29 | 10.67          | 11.72 | 11.10 | 12.12 | 12.53 |
|   | 6H  | 21.02            | 22.00 | 21.47 | 22.41 | 22.86 | 12.55          | 13.53 | 13.00 | 13.94 | 14.39 |
|   | 8H  | 21.43            | 22.37 | 21.88 | 22.79 | 23.24 | 13.55          | 14.48 | 14.00 | 14.91 | 15.36 |
|   | 12H | 21.96            | 22.85 | 22.41 | 23.28 | 23.74 | 14.78          | 15.68 | 15.23 | 16.11 | 16.57 |
| 4H  | 2H  | 19.56            | 20.62 | 19.99 | 21.02 | 21.43 | 7.98           | 9.04  | 8.41  | 9.43  | 9.85  |
|   | 3H  | 19.98            | 20.88 | 20.44 | 21.30 | 21.77 | 10.66          | 11.56 | 11.12 | 11.99 | 12.45 |
|   | 4H  | 20.51            | 21.30 | 20.98 | 21.75 | 22.24 | 12.38          | 13.16 | 12.85 | 13.62 | 14.11 |
|   | 6H  | 21.35            | 22.04 | 21.85 | 22.53 | 23.02 | 14.37          | 15.07 | 14.87 | 15.55 | 16.05 |
|   | 8H  | 21.97            | 22.62 | 22.48 | 23.11 | 23.62 | 15.45          | 16.10 | 15.97 | 16.59 | 17.11 |
|   | 12H | 22.76            | 23.36 | 23.28 | 23.84 | 24.40 | 16.79          | 17.39 | 17.30 | 17.87 | 18.43 |
| 8H  | 4H  | 20.50            | 21.15 | 21.01 | 21.63 | 22.15 | 13.51          | 14.16 | 14.02 | 14.65 | 15.16 |
|   | 6H  | 21.53            | 22.07 | 22.06 | 22.58 | 23.13 | 15.72          | 16.26 | 16.25 | 16.77 | 17.32 |
|   | 8H  | 22.40            | 22.86 | 22.95 | 23.41 | 23.95 | 17.00          | 17.46 | 17.55 | 18.01 | 18.55 |
|   | 12H | 23.46            | 23.84 | 24.02 | 24.39 | 24.95 | 18.51          | 18.89 | 19.07 | 19.44 | 20.00 |
| 12H   | 4H  | 20.50            | 21.10 | 21.01 | 21.58 | 22.14 | 13.95          | 14.55 | 14.47 | 15.03 | 15.59 |
|   | 6H  | 21.63            | 22.09 | 22.18 | 22.64 | 23.18 | 16.29          | 16.75 | 16.84 | 17.30 | 17.84 |
|   | 8H  | 22.53            | 22.91 | 23.09 | 23.46 | 24.02 | 17.64          | 18.02 | 18.20 | 18.57 | 19.13 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H  |     | 0.8/-1.4         |       |       |       |       | 5.2/-3.6       |       |       |       |       |
| S = 1.5H  |     | 0.5/-1.3         |       |       |       |       | 6.8/-3.3       |       |       |       |       |
| S = 2.0H  |     | 0.4/-1.0         |       |       |       |       | 7.8/-2.7       |       |       |       |       |
| Standard tables:                                  |     | BKBF             |       |       |       |       | BK3            |       |       |       |       |
| Uncorrected UGR                                   |     | -1.2             |       |       |       |       | 4.3            |       |       |       |       |

依据CIE Publ. 117 计算 UGR, S/H = 0.25