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LumCAT:

Luminaire: geo edge 500 p fm

LampCAT: modulo led 16W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0810

Number of Lamps: 1

Power (W): 17.8900

Lamp flux(lm): 1980.0

PF: 0.9800

Length(mm): 500

Width(mm): 20

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1467.68, Efficiency(%): 74.13% , Luminous Efficacy(lm/W): 82.04

Central intensity(cd): 3892.927, Maximum intensity(cd): 3892.927

Angle of maximum intensity: C=0.0 γ =0.0

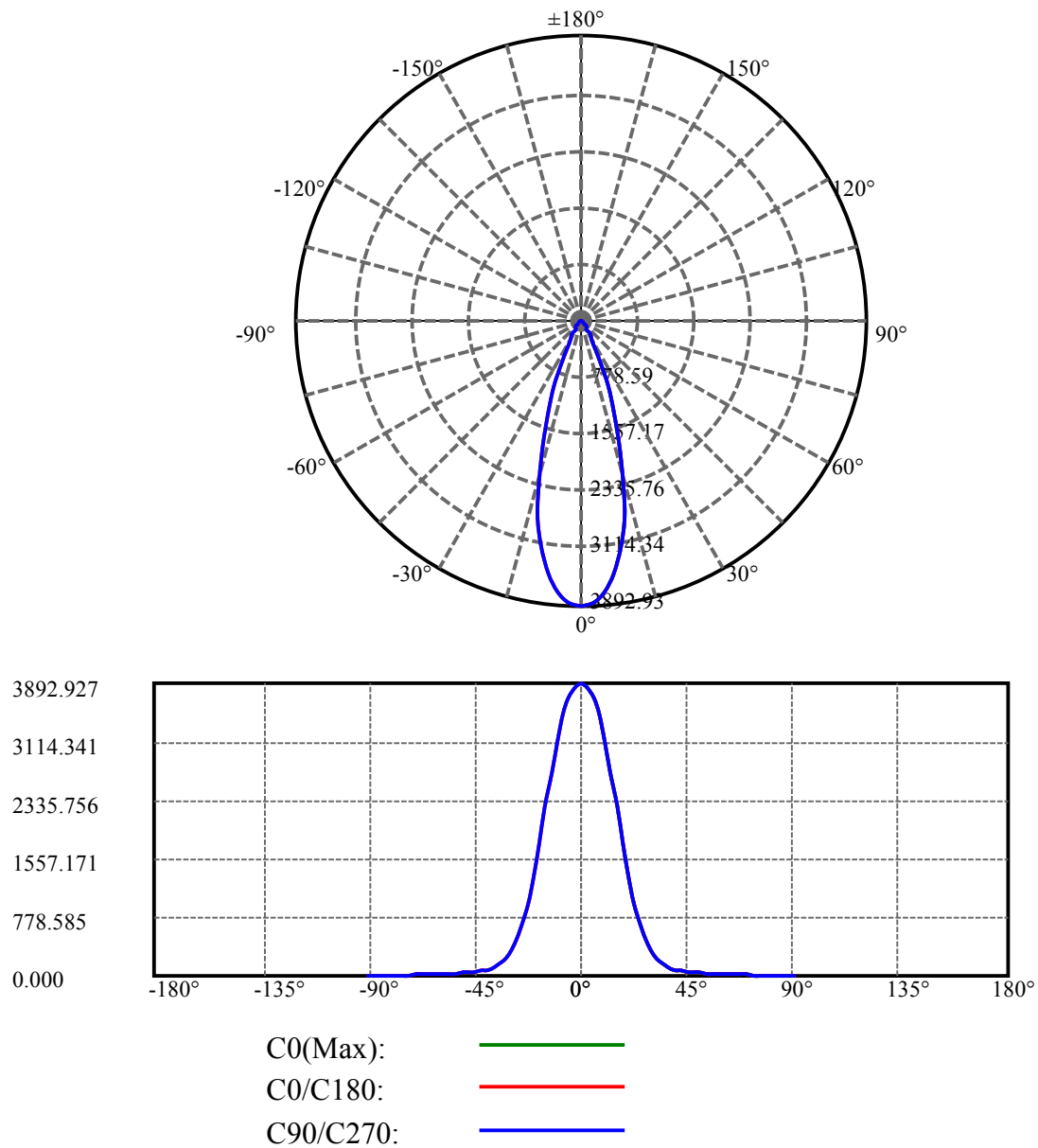
Beam angle of C0 plane : 33.38

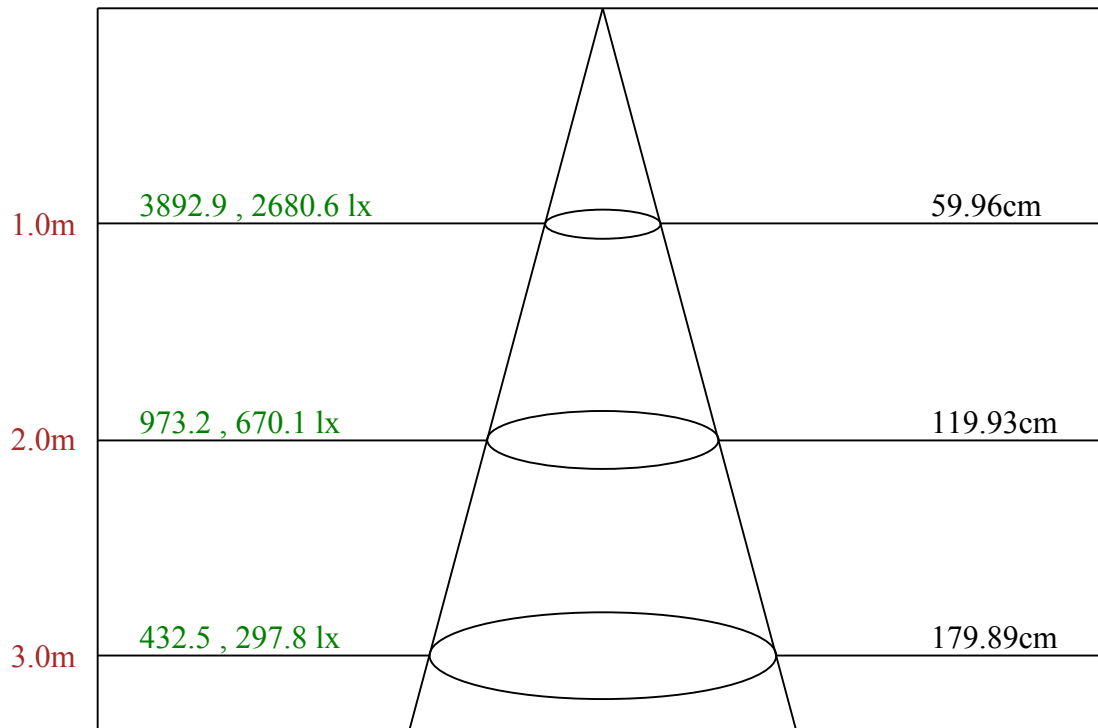
Aveage BeamAngle(IEC 61341):33.38

Equipment: equipamento lumini
Temperature(°C): 25.5

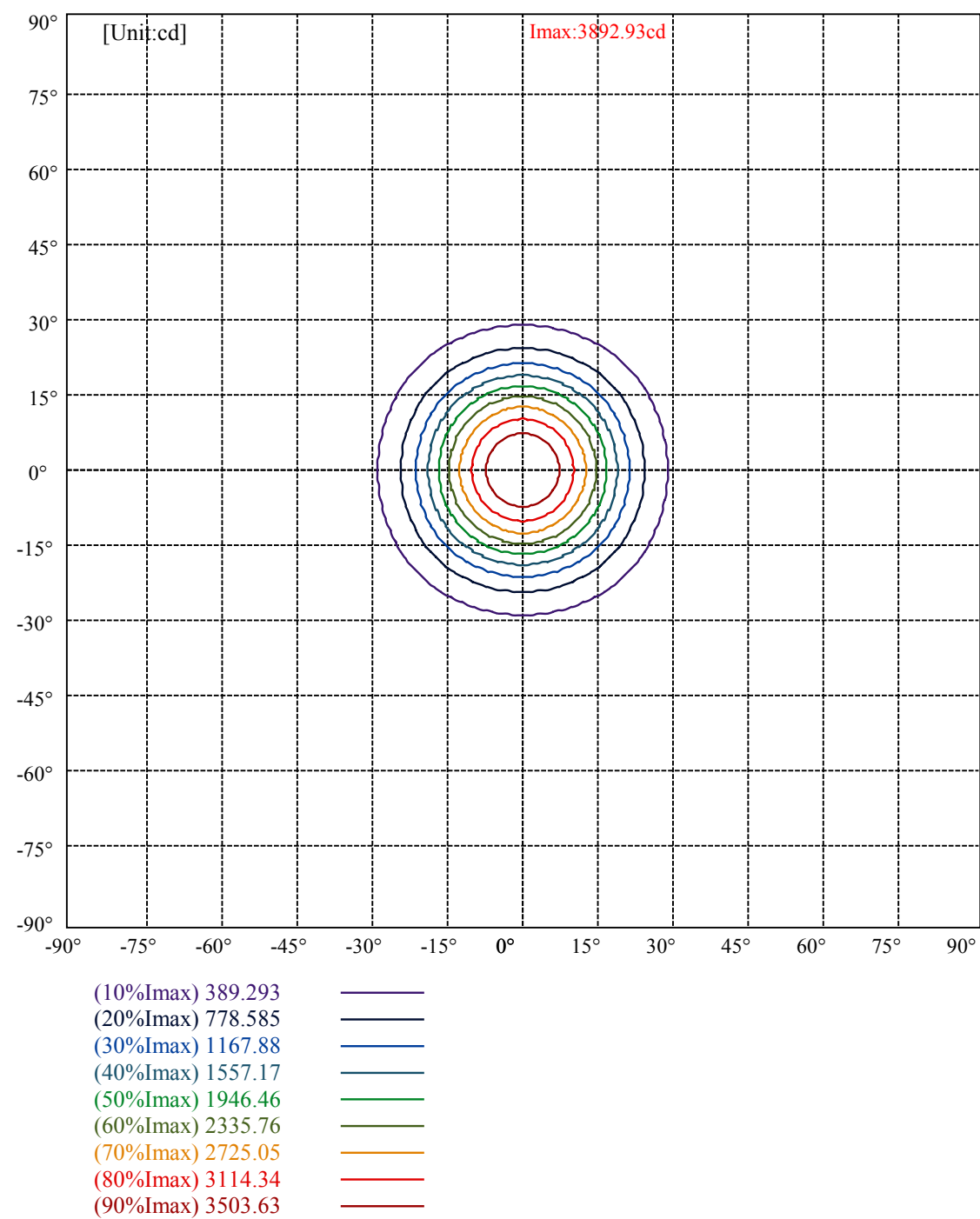
Date: 7/22/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 33.38



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Luminance Limiting Curve(no luminous side)

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Luminance Table

| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 7700 | 6242 | 5426 | 4856 | 4412 | 3753 | 3288 | 3335 | 5237 |
| C45 | 7700 | 6242 | 5426 | 4856 | 4412 | 3753 | 3288 | 3335 | 5237 |
| C90 | 7700 | 6242 | 5426 | 4856 | 4412 | 3753 | 3288 | 3335 | 5237 |

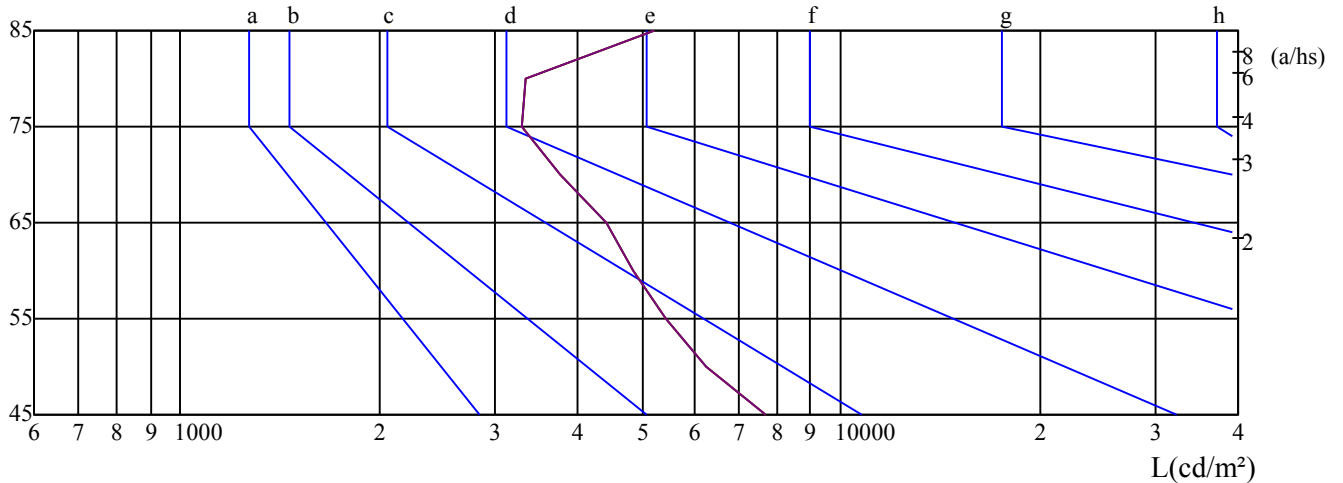
| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 4412 | 4412 | 4412 | 3288 | 3288 | 3288 | 5237 | 5237 | 5237 |

Glare Table

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

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 7/22/2024
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 | 13.46 | 14.45 | 13.83 | 14.76 | 15.08 | 14.13 | 15.12 | 14.49 | 15.43 | 15.74 |
| | 3H | 14.23 | 15.10 | 14.61 | 15.44 | 15.79 | 14.72 | 15.60 | 15.11 | 15.94 | 16.28 |
| | 4H | 14.47 | 15.28 | 14.87 | 15.64 | 16.01 | 14.93 | 15.74 | 15.33 | 16.10 | 16.46 |
| | 6H | 14.69 | 15.43 | 15.10 | 15.81 | 16.20 | 15.10 | 15.84 | 15.51 | 16.22 | 16.61 |
| | 8H | 14.77 | 15.48 | 15.19 | 15.86 | 16.27 | 15.16 | 15.87 | 15.58 | 16.25 | 16.66 |
| | 12H | 14.88 | 15.55 | 15.30 | 15.94 | 16.36 | 15.27 | 15.94 | 15.69 | 16.34 | 16.75 |
| 4H | 2H | 13.70 | 14.51 | 14.10 | 14.87 | 15.23 | 14.27 | 15.09 | 14.68 | 15.44 | 15.81 |
| | 3H | 14.61 | 15.29 | 15.04 | 15.69 | 16.10 | 15.02 | 15.70 | 15.44 | 16.09 | 16.51 |
| | 4H | 15.00 | 15.59 | 15.44 | 16.01 | 16.46 | 15.37 | 15.95 | 15.80 | 16.38 | 16.83 |
| | 6H | 15.29 | 15.80 | 15.76 | 16.26 | 16.71 | 15.59 | 16.11 | 16.07 | 16.57 | 17.02 |
| | 8H | 15.45 | 15.93 | 15.93 | 16.39 | 16.86 | 15.74 | 16.22 | 16.22 | 16.68 | 17.15 |
| | 12H | 15.65 | 16.09 | 16.14 | 16.55 | 17.07 | 15.95 | 16.39 | 16.44 | 16.84 | 17.36 |
| 8H | 4H | 15.09 | 15.57 | 15.57 | 16.03 | 16.50 | 15.42 | 15.90 | 15.91 | 16.36 | 16.84 |
| | 6H | 15.50 | 15.89 | 16.01 | 16.37 | 16.88 | 15.77 | 16.16 | 16.28 | 16.64 | 17.15 |
| | 8H | 15.80 | 16.13 | 16.34 | 16.65 | 17.15 | 16.05 | 16.38 | 16.58 | 16.90 | 17.40 |
| | 12H | 16.13 | 16.39 | 16.68 | 16.90 | 17.43 | 16.39 | 16.65 | 16.94 | 17.16 | 17.69 |
| 12H | 4H | 15.08 | 15.52 | 15.57 | 15.97 | 16.50 | 15.41 | 15.85 | 15.90 | 16.31 | 16.83 |
| | 6H | 15.58 | 15.91 | 16.11 | 16.43 | 16.93 | 15.84 | 16.17 | 16.37 | 16.69 | 17.19 |
| | 8H | 15.89 | 16.15 | 16.44 | 16.67 | 17.19 | 16.14 | 16.39 | 16.68 | 16.91 | 17.43 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 1.9/-1.2 | | | | | 1.9/-1.2 | | | | |
| S = 1.5H | | 3.1/-1.6 | | | | | 3.1/-1.6 | | | | |
| S = 2.0H | | 4.6/-1.7 | | | | | 4.6/-1.7 | | | | |
| Standard tables: | | BK3 | | | | | BK3 | | | | |
| Uncorrected UGR | | -2.8 | | | | | -2.8 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25