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LumCAT:

Luminaire: downled sm r serie 2 w

LampCAT: modulo led 10.5W 3000K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0590

Number of Lamps: 1

Power (W): 12.8000

Lamp flux(lm): 1485.0

PF: 0.9600

Length(mm): 75

Width(mm): 75

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1019.72, Efficiency(%): 68.67% , Luminous Efficacy(lm/W): 79.67

Central intensity(cd): 985.110, Maximum intensity(cd): 1018.051

Angle of maximum intensity: C=0.0 γ =16.0

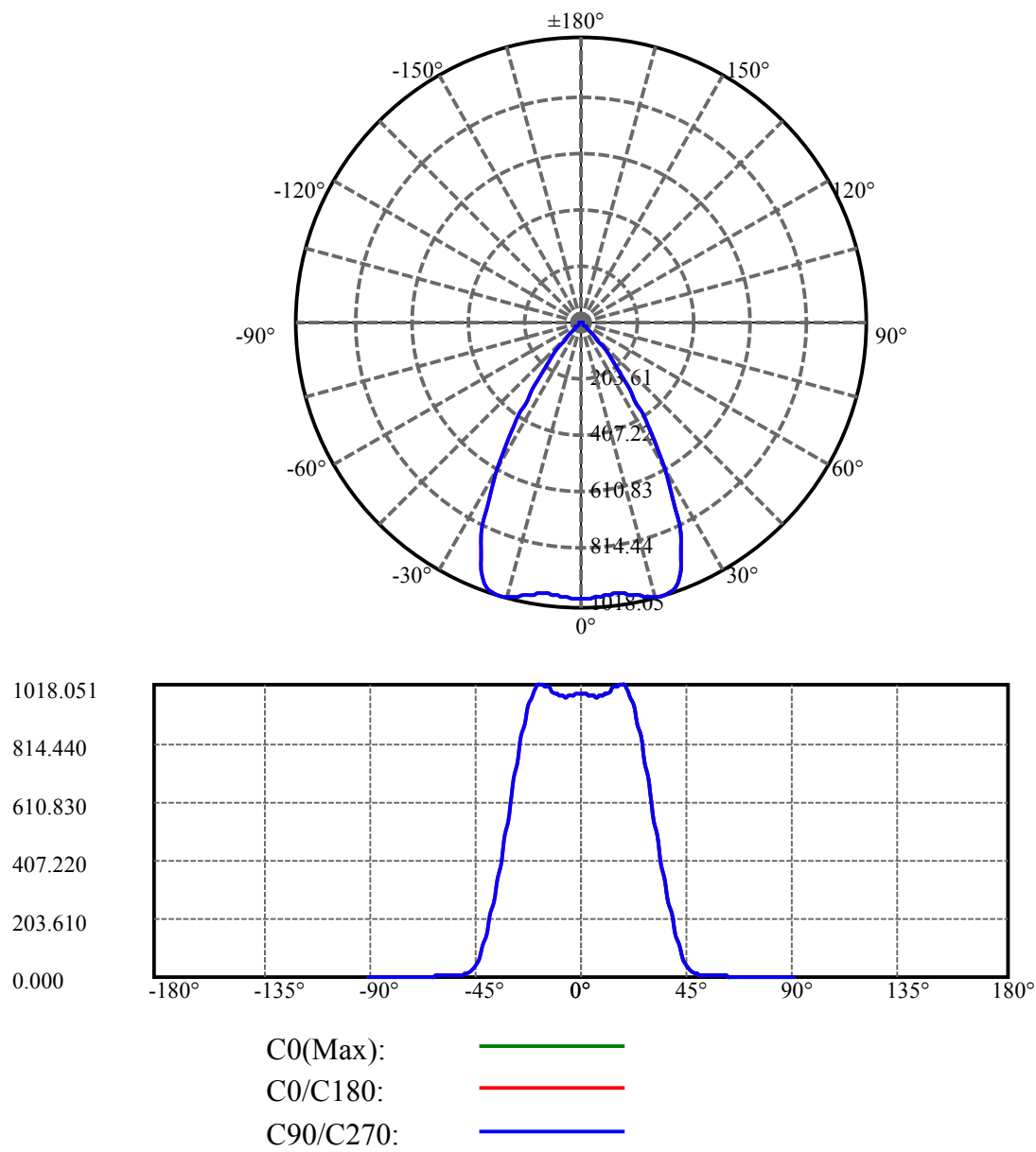
Beam angle of C0 plane : 63.99

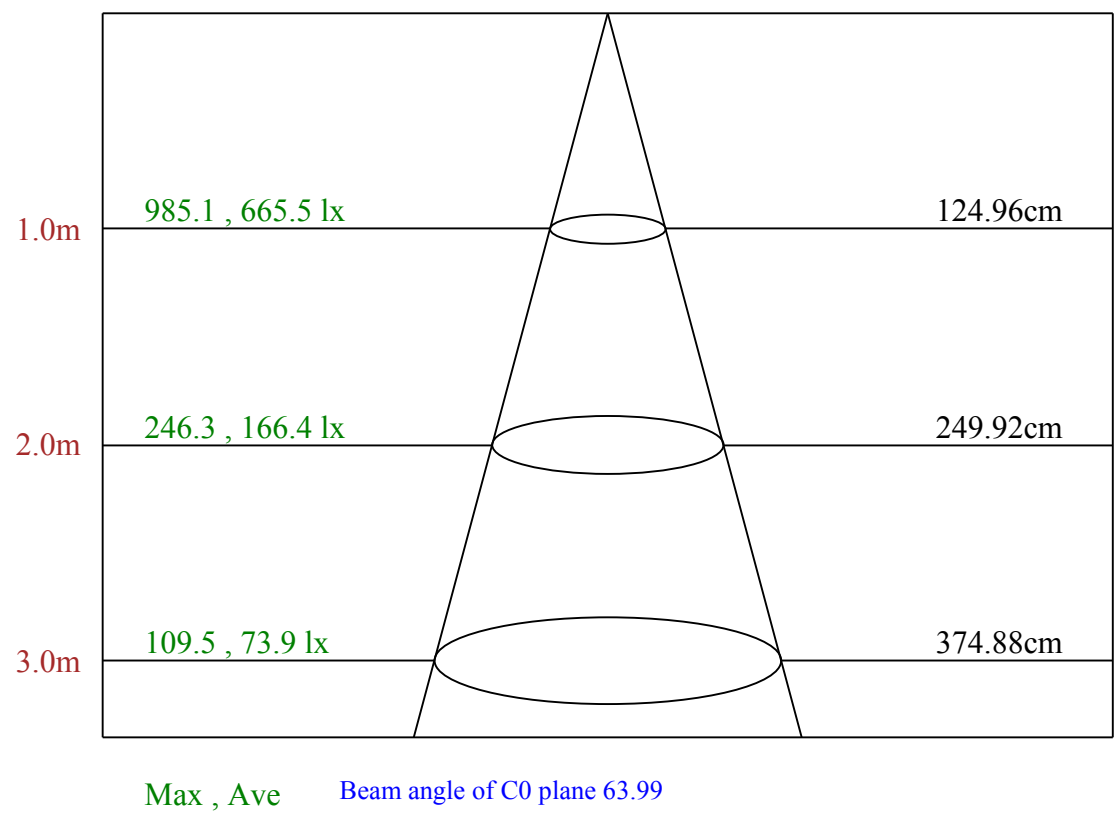
Aveage BeamAngle(IEC 61341):63.99

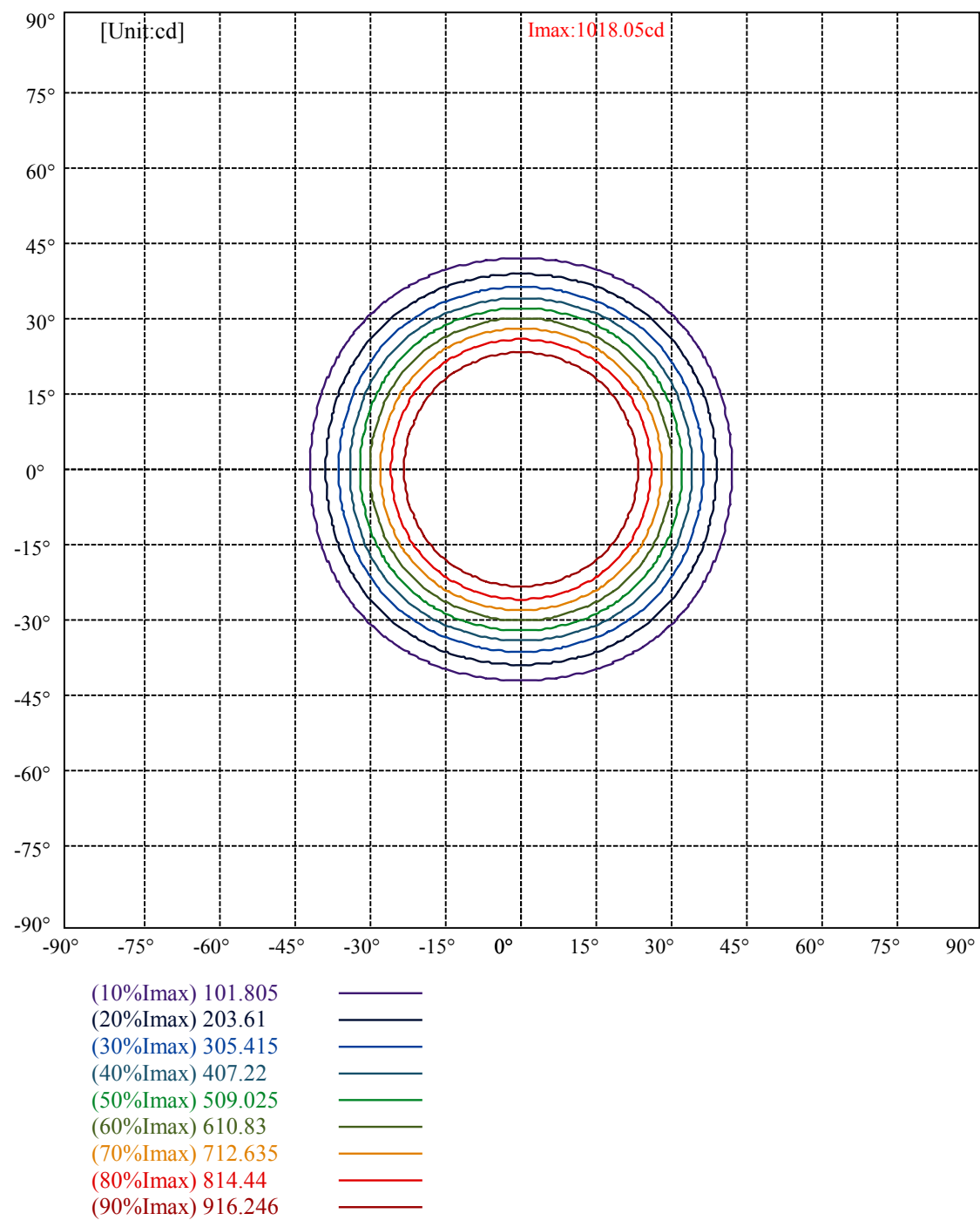
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 1/18/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90







Luminance Limiting Curve(no luminous side)

Luminance Table

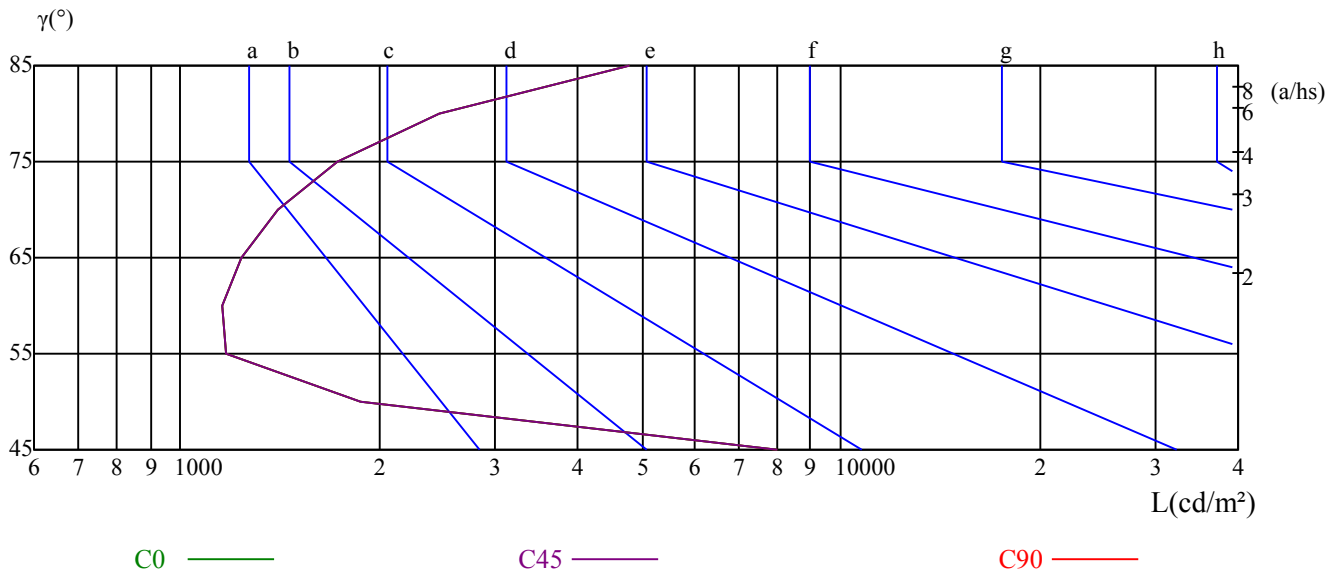
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 8021 | 1878 | 1169 | 1160 | 1237 | 1407 | 1733 | 2461 | 4795 |
| C45 | 8021 | 1878 | 1169 | 1160 | 1237 | 1407 | 1733 | 2461 | 4795 |
| C90 | 8021 | 1878 | 1169 | 1160 | 1237 | 1407 | 1733 | 2461 | 4795 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 1237 | 1237 | 1237 | 1733 | 1733 | 1733 | 4795 | 4795 | 4795 |

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



| 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 | 20.19 | 21.13 | 20.55 | 21.44 | 21.76 | 19.75 | 20.69 | 20.11 | 21.00 | 21.32 |
| | 3H | 19.99 | 20.82 | 20.37 | 21.16 | 21.51 | 19.55 | 20.39 | 19.94 | 20.72 | 21.07 |
| | 4H | 19.89 | 20.66 | 20.29 | 21.02 | 21.39 | 19.45 | 20.23 | 19.86 | 20.58 | 20.95 |
| | 6H | 19.82 | 20.53 | 20.24 | 20.90 | 21.30 | 19.39 | 20.09 | 19.81 | 20.47 | 20.87 |
| | 8H | 19.76 | 20.44 | 20.18 | 20.82 | 21.23 | 19.33 | 20.01 | 19.76 | 20.39 | 20.80 |
| | 12H | 19.72 | 20.36 | 20.15 | 20.75 | 21.17 | 19.30 | 19.94 | 19.73 | 20.33 | 20.75 |
| 4H | 2H | 19.87 | 20.64 | 20.27 | 21.00 | 21.37 | 19.43 | 20.20 | 19.83 | 20.56 | 20.93 |
| | 3H | 19.63 | 20.28 | 20.06 | 20.68 | 21.09 | 19.20 | 19.84 | 19.62 | 20.24 | 20.66 |
| | 4H | 19.57 | 20.13 | 20.01 | 20.56 | 21.00 | 19.14 | 19.70 | 19.58 | 20.12 | 20.57 |
| | 6H | 19.47 | 19.96 | 19.94 | 20.41 | 20.86 | 19.04 | 19.53 | 19.52 | 19.99 | 20.44 |
| | 8H | 19.44 | 19.90 | 19.93 | 20.35 | 20.83 | 19.02 | 19.48 | 19.51 | 19.94 | 20.41 |
| | 12H | 19.44 | 19.86 | 19.94 | 20.32 | 20.84 | 19.04 | 19.46 | 19.53 | 19.91 | 20.43 |
| 8H | 4H | 19.38 | 19.83 | 19.86 | 20.29 | 20.77 | 18.95 | 19.40 | 19.43 | 19.86 | 20.34 |
| | 6H | 19.28 | 19.65 | 19.78 | 20.13 | 20.64 | 18.86 | 19.23 | 19.37 | 19.71 | 20.22 |
| | 8H | 19.32 | 19.63 | 19.85 | 20.15 | 20.65 | 18.91 | 19.22 | 19.44 | 19.74 | 20.24 |
| | 12H | 19.36 | 19.60 | 19.91 | 20.12 | 20.64 | 18.97 | 19.21 | 19.52 | 19.73 | 20.25 |
| 12H | 4H | 19.33 | 19.75 | 19.82 | 20.20 | 20.72 | 18.90 | 19.32 | 19.39 | 19.77 | 20.29 |
| | 6H | 19.27 | 19.58 | 19.81 | 20.11 | 20.60 | 18.86 | 19.17 | 19.39 | 19.69 | 20.19 |
| | 8H | 19.29 | 19.53 | 19.83 | 20.04 | 20.57 | 18.88 | 19.12 | 19.43 | 19.64 | 20.16 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | | 5.4/-13.0 | | | | | 5.4/-13.0 | | | | |
| S = 1.5H | | 8.1/-11.0 | | | | | 8.1/-11.0 | | | | |
| S = 2.0H | | 10.0/-9.5 | | | | | 10.0/-9.5 | | | | |
| Standard tables: | | BK0 | | | | | BK0 | | | | |
| Uncorrected UGR | | -0.3 | | | | | -0.3 | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25