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LumCAT:

Luminaire: no frame concentra 8 serie 3 e fm

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): 3.7970

Lamp flux(lm): 395.0

PF: 0.4700

Length(mm): 70

Width(mm): 17

Phm Type: C

Height(mm): 0

Photometric Results

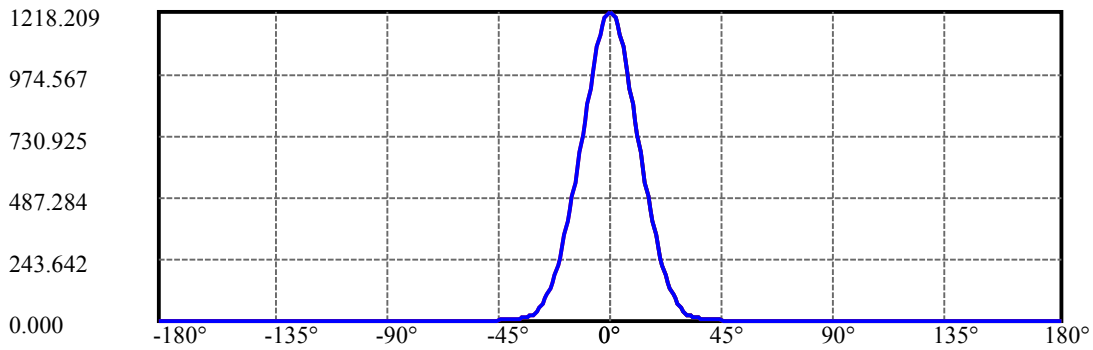
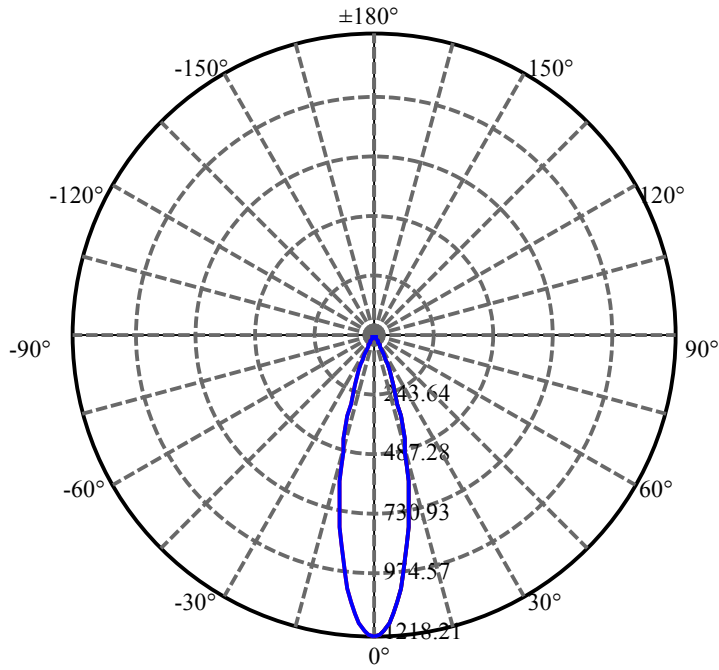
Lumens(lm): 301.75, Efficiency(%): 76.39% , Luminous Efficacy(lm/W): 79.47

Central intensity(cd): 1218.209, Maximum intensity(cd): 1218.209

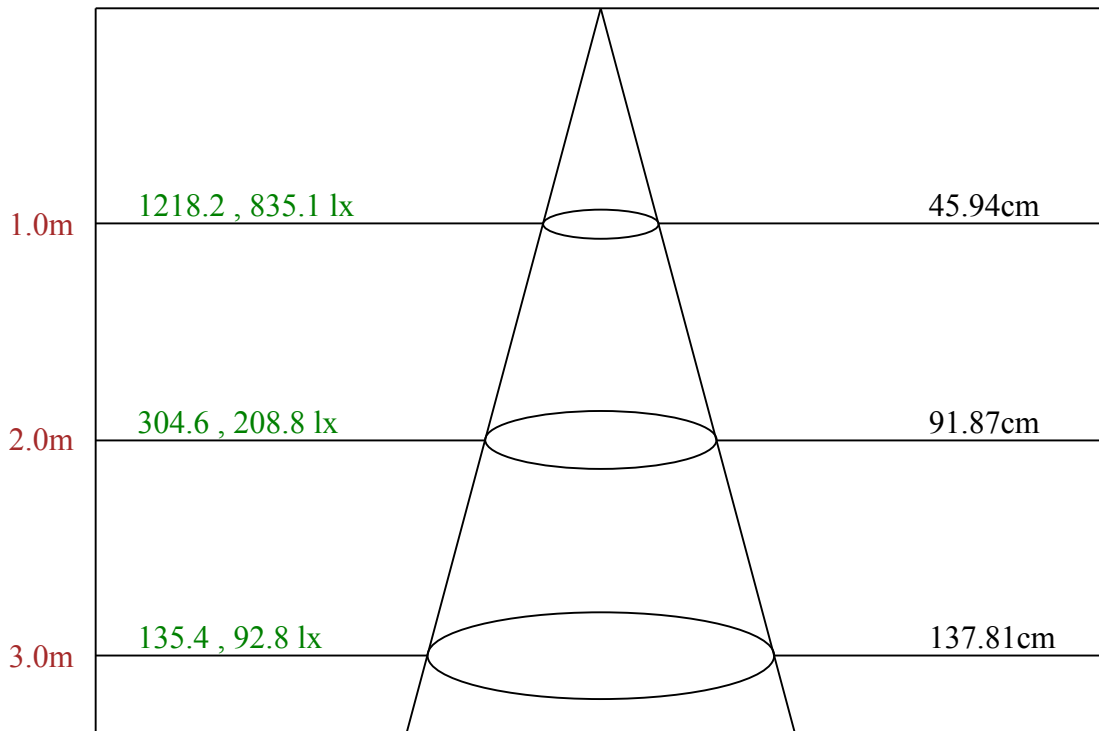
Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

Beam angle of C0 plane : 25.87

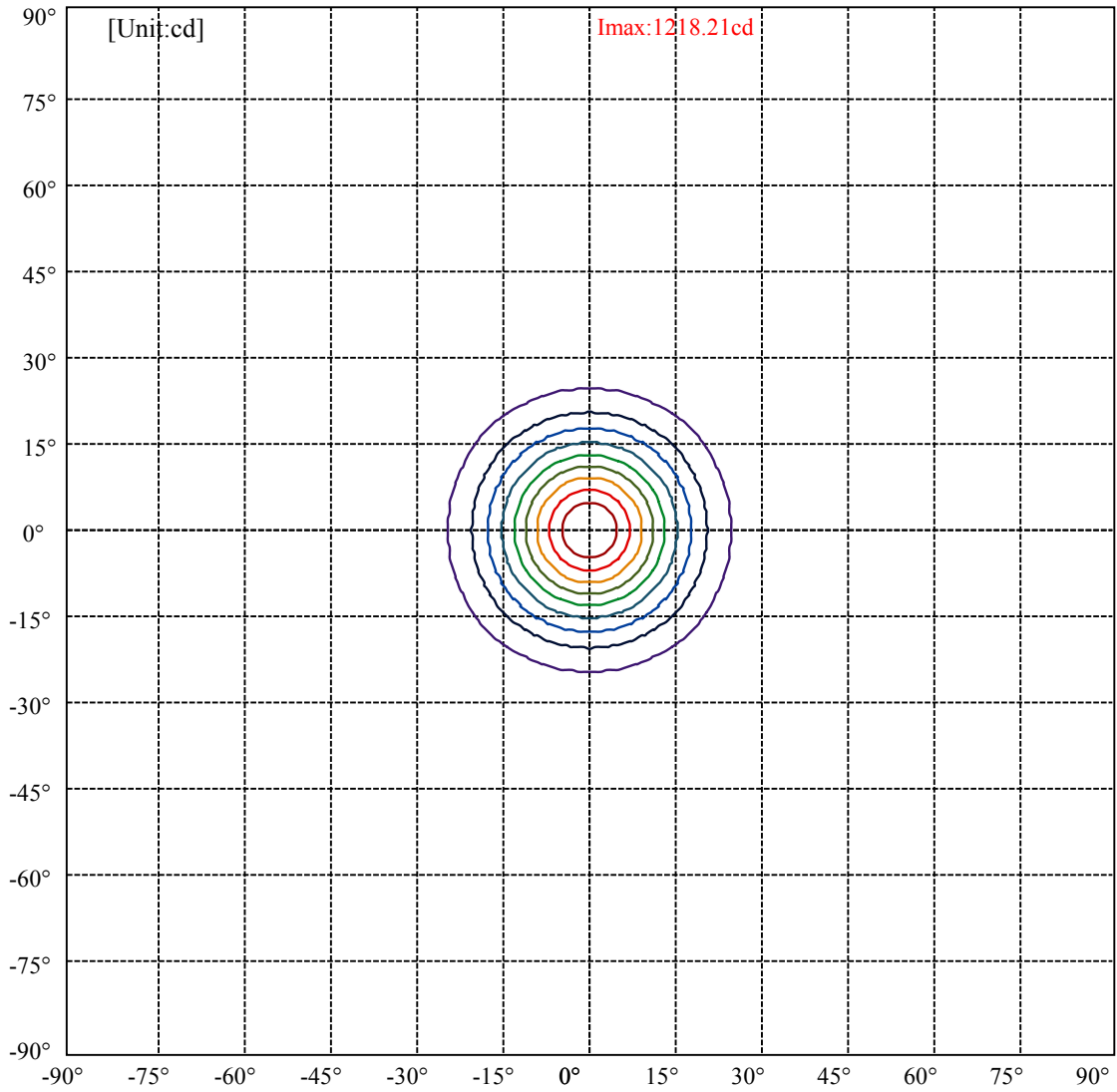
Aveage BeamAngle(IEC 61341):25.87



C0(Max): —
C0/C180: —
C90/C270: —



Max , Ave Beam angle of C0 plane 25.87



| | |
|-------------------|---|
| (10%Imax) 121.821 | — |
| (20%Imax) 243.642 | — |
| (30%Imax) 365.463 | — |
| (40%Imax) 487.284 | — |
| (50%Imax) 609.104 | — |
| (60%Imax) 730.925 | — |
| (70%Imax) 852.746 | — |
| (80%Imax) 974.567 | — |
| (90%Imax) 1096.39 | — |

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Luminance Limiting Curve(no luminous side)

Luminance Table

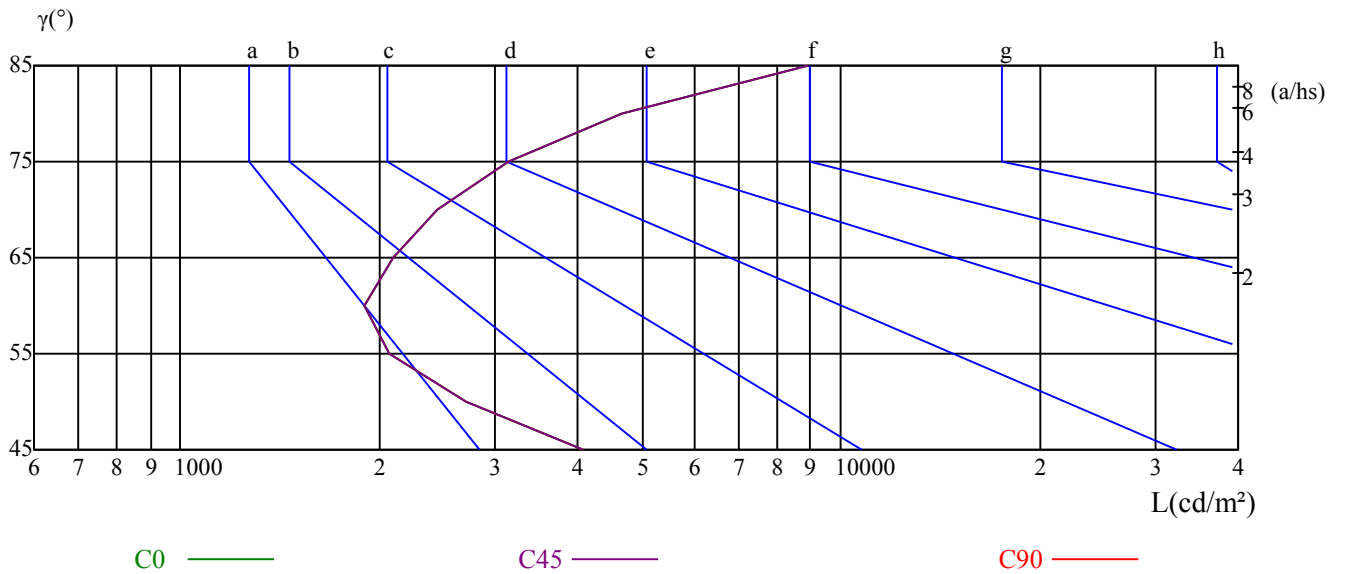
| γ | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 4081 | 2708 | 2066 | 1900 | 2095 | 2442 | 3130 | 4666 | 8951 |
| C45 | 4081 | 2708 | 2066 | 1900 | 2095 | 2442 | 3130 | 4666 | 8951 |
| C90 | 4081 | 2708 | 2066 | 1900 | 2095 | 2442 | 3130 | 4666 | 8951 |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 2095 | 2095 | 2095 | 3130 | 3130 | 3130 | 8951 | 8951 | 8951 |

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 | 8.74 | 9.63 | 9.14 | 9.99 | 10.36 | 9.91 | 10.80 | 10.31 | 11.16 | 11.53 |
| | 3H | 9.19 | 9.98 | 9.61 | 10.36 | 10.76 | 10.19 | 10.98 | 10.61 | 11.36 | 11.76 |
| | 4H | 9.69 | 10.43 | 10.14 | 10.83 | 11.25 | 10.54 | 11.27 | 10.98 | 11.67 | 12.09 |
| | 6H | 10.56 | 11.24 | 11.02 | 11.66 | 12.11 | 11.25 | 11.92 | 11.71 | 12.34 | 12.79 |
| | 8H | 11.15 | 11.79 | 11.61 | 12.22 | 12.68 | 11.75 | 12.40 | 12.22 | 12.82 | 13.28 |
| | 12H | 11.91 | 12.51 | 12.37 | 12.95 | 13.42 | 12.36 | 12.97 | 12.83 | 13.41 | 13.88 |
| 4H | 2H | 8.67 | 9.40 | 9.11 | 9.80 | 10.22 | 9.76 | 10.50 | 10.20 | 10.90 | 11.32 |
| | 3H | 9.36 | 9.98 | 9.83 | 10.42 | 10.88 | 10.23 | 10.85 | 10.69 | 11.28 | 11.75 |
| | 4H | 10.16 | 10.70 | 10.64 | 11.16 | 11.66 | 10.84 | 11.38 | 11.32 | 11.84 | 12.34 |
| | 6H | 11.33 | 11.80 | 11.84 | 12.29 | 12.79 | 11.84 | 12.32 | 12.36 | 12.81 | 13.31 |
| | 8H | 12.13 | 12.57 | 12.66 | 13.07 | 13.59 | 12.57 | 13.01 | 13.09 | 13.51 | 14.03 |
| | 12H | 13.12 | 13.53 | 13.65 | 14.02 | 14.59 | 13.42 | 13.82 | 13.95 | 14.31 | 14.88 |
| 8H | 4H | 10.45 | 10.89 | 10.98 | 11.39 | 11.91 | 11.04 | 11.48 | 11.57 | 11.98 | 12.50 |
| | 6H | 11.93 | 12.29 | 12.48 | 12.81 | 13.37 | 12.36 | 12.71 | 12.90 | 13.23 | 13.79 |
| | 8H | 13.01 | 13.31 | 13.58 | 13.87 | 14.41 | 13.35 | 13.64 | 13.92 | 14.20 | 14.75 |
| | 12H | 14.26 | 14.48 | 14.84 | 15.04 | 15.61 | 14.46 | 14.69 | 15.04 | 15.24 | 15.81 |
| 12H | 4H | 10.56 | 10.96 | 11.08 | 11.45 | 12.02 | 11.12 | 11.52 | 11.65 | 12.01 | 12.58 |
| | 6H | 12.19 | 12.49 | 12.76 | 13.05 | 13.59 | 12.58 | 12.88 | 13.15 | 13.44 | 13.98 |
| | 8H | 13.36 | 13.58 | 13.94 | 14.14 | 14.71 | 13.65 | 13.88 | 14.23 | 14.43 | 15.00 |
| Variation with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | 2.6/-1.7 | | | | | 2.6/-1.7 | | | | | |
| S = 1.5H | 3.1/-1.5 | | | | | 3.1/-1.5 | | | | | |
| S = 2.0H | 3.5/-1.4 | | | | | 3.5/-1.4 | | | | | |
| Standard tables: | BKBF | | | | | BKBF | | | | | |
| Uncorrected UGR | -3.7 | | | | | -3.7 | | | | | |

依据CIE Publ. 117 计算 UGR, S/H = 0.25