MACRON ASSOCIATE CO.

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MACRON

Client:
LumCAT: PT5DB-R-BK 100mA
Luminaire:

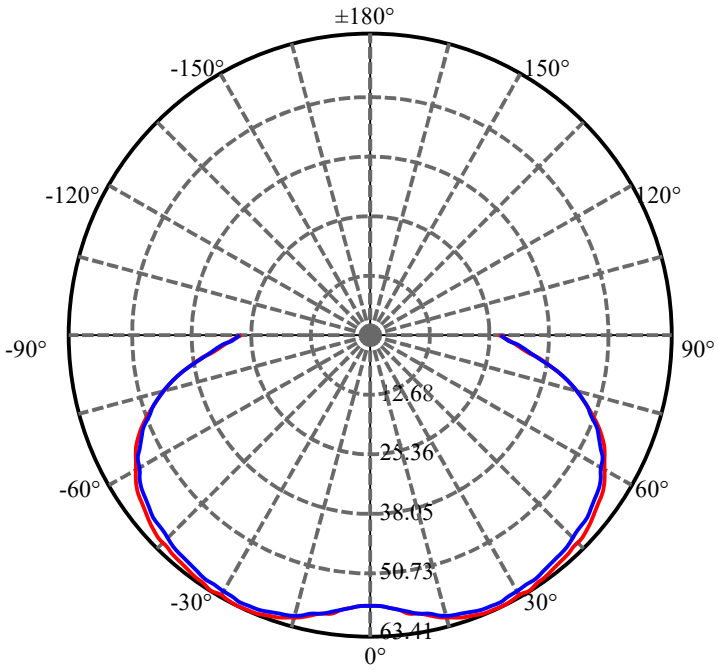
| | |
|---|---|
| Report No: | Voltage(V): 120.3400 |
| Test No: Elise | Current(A): 0.0310 |
| LampCAT: | Power (W): 3.6960 |
| Lamp flux(lm): 500.0 | PF: 0.9760 |
| Number of Lamps: 1 | Ballast type: |
| Length(mm): 950 | Width(mm): 950 |
| Phm Type: C | Height(mm): 1 |

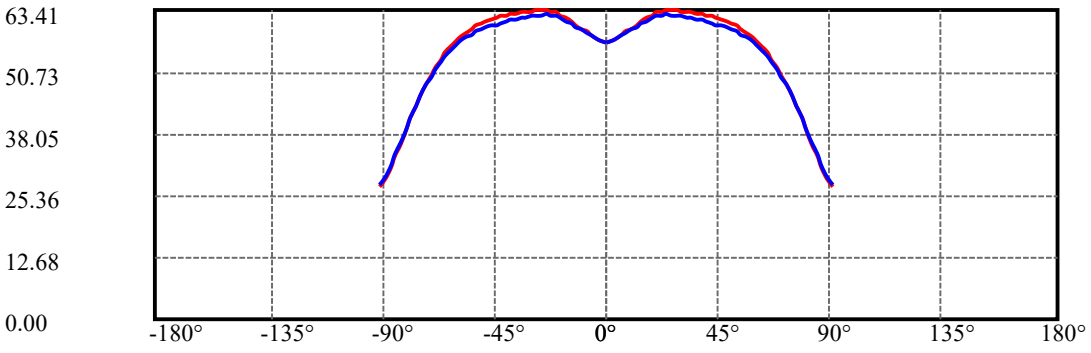
## Photometric Results

Lumens(lm): 326.14, Efficiency(%): 65.23% , Luminous Efficacy(lm/W): 88.24
Central intensity(cd): 56.756, Maximum intensity(cd): 63.411
Angle of maximum intensity: C=15.0 γ=24.0
Beam Angle(50%Imax): [C0/180]Total=176.8
[C90/270]Total=178.0
Field angle(10%Imax): [C0/180]Total=N.A.
[C90/270]Total=N.A.
IES Classification : TypeIV
Longitudinal Classification : VeryShort
Cut Off Classification : Noncutoff
Max Cd(At 90°Vert) : 27.5517
Max Cd(80 to 90°Vert) : 38.96271
Street Side UpWard Lumens: - -of Lamp 0.00%of Luminaire
Street Side DownWard Lumens: 32.61%of Lamp 50.00%of Luminaire
House Side UpWard Lumens: - -of lamp 0.00%of Luminaire
House Side DownWard Lumens: 32.61%of Lamp 50.00%of Luminaire
SLI: 8.187 (C Flash Area: 0.218)
Throw: 31.0 (short), Spread: 57.8 (broad), Control: 8.187 (tight)

Light Distribution Curve [Unit:cd]






C0/C180:

C90/C270:

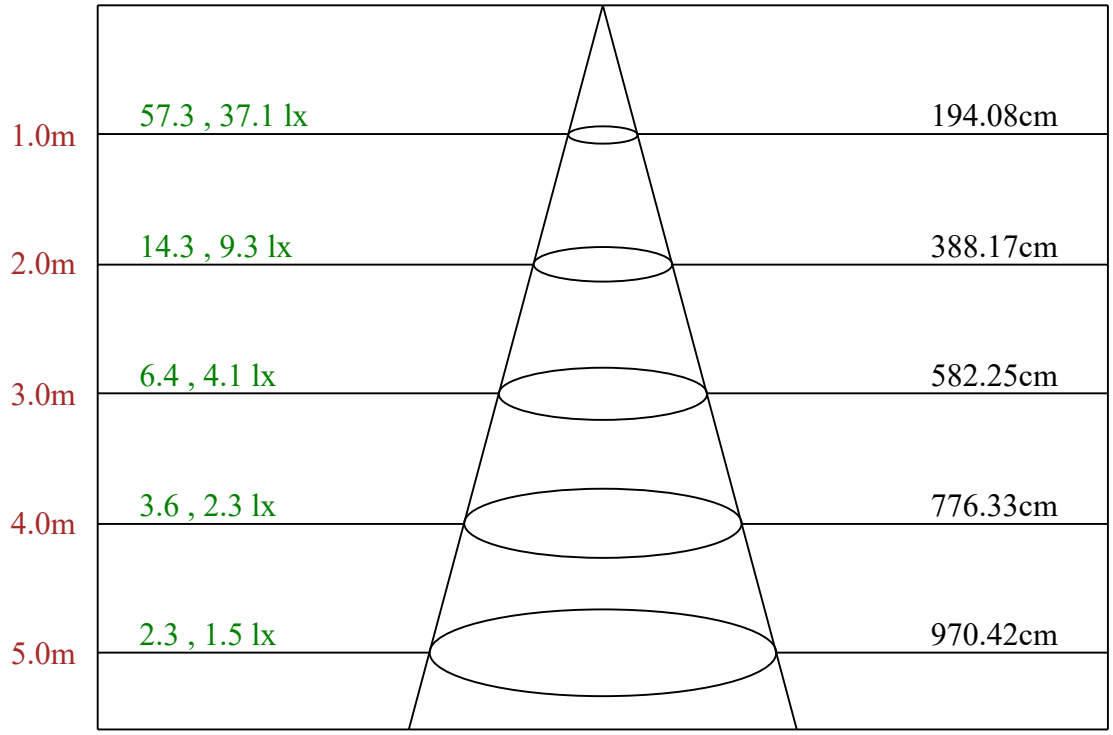
Field angle(10%Imax):C0/180Left:0.0 Right:0.0
:C90/270Left:0.0 Right:0.0

Beam Angle(50%Imax):C0/180Left:88.4 Right:88.4
:C90/270Left:89.0 Right:89.0

Equipment: Goniophotometric System Date: 2026/8/20 Operator: Jensen
Temperature(°C): 25.0 Humidity(%): 70.0% Distance(m): 5.93

Lux distance Curve



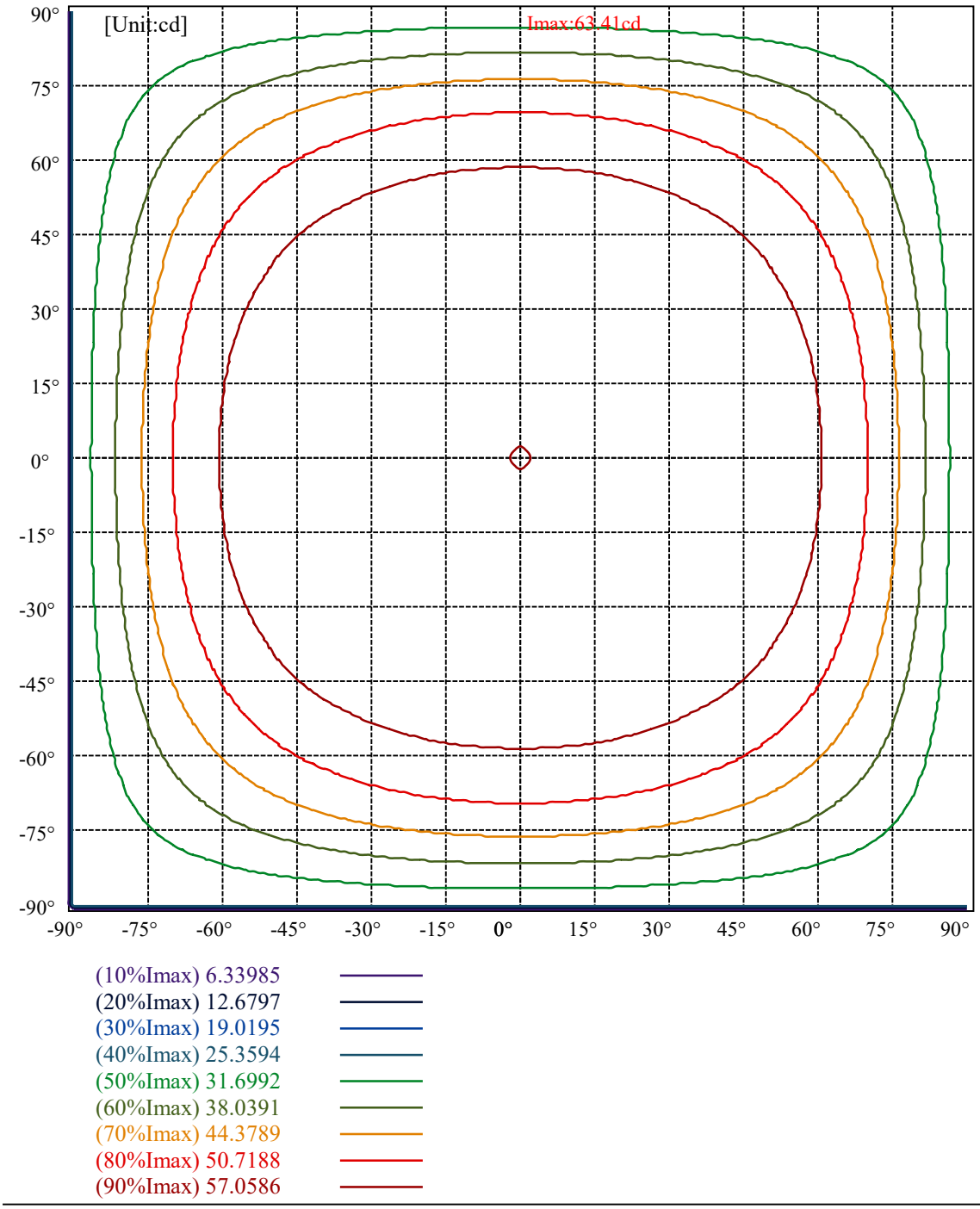



Max , Ave

Beam angle of C15 plane 88.28

ISO-Intensity(V-H)






(10%Imax) 6.33985
(20%Imax) 12.6797
(30%Imax) 19.0195
(40%Imax) 25.3594
(50%Imax) 31.6992
(60%Imax) 38.0391
(70%Imax) 44.3789
(80%Imax) 50.7188
(90%Imax) 57.0586

Equipment: Goniophotometric System
Temperature(°C): 25.0
Date: 2026/8/20
Humidity(%): 70.0%
Operator: Jensen
Distance(m): 5.93