MACRON ASSOCIATE CO.

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MACRON

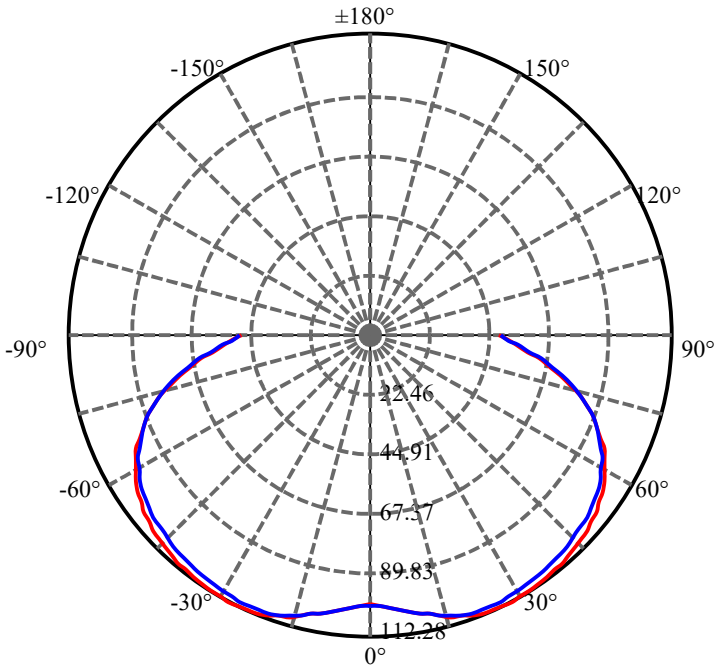
Client:
LumCAT: PT5DB-R-BK 175mA
Luminaire:

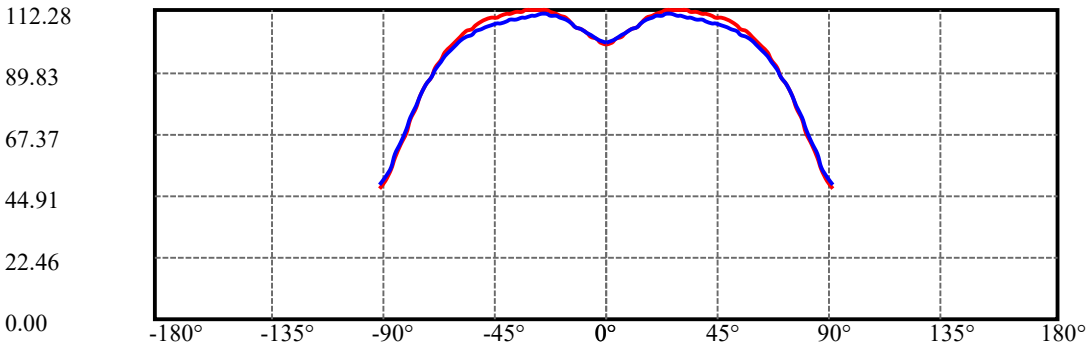
Report No:	Voltage(V): 120.2900
Test No: Elise	Current(A): 0.0550
LampCAT:	Power (W): 6.5970
Lamp flux(lm): 500.0	PF: 0.9940
Number of Lamps: 1	Ballast type:
Length(mm): 950	Width(mm): 950
Phm Type: C	Height(mm): 1

Photometric Results

Lumens(lm): 577.12, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 87.48
Central intensity(cd): 100.044, Maximum intensity(cd): 112.282
Angle of maximum intensity: C=0.0 γ=26.0
Beam Angle(50%Imax): [C0/180]Total=176.6
[C90/270]Total=177.6
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) : 48.73855
Max Cd(80 to 90°Vert) : 69.01111
Street Side UpWard Lumens: - -of Lamp 0.00%of Luminaire
Street Side DownWard Lumens: 57.71%of Lamp 50.00%of Luminaire
House Side UpWard Lumens: - -of lamp 0.00%of Luminaire
House Side DownWard Lumens: 57.71%of Lamp 50.00%of Luminaire
SLI: 7.380 (C Flash Area: 0.218)
Throw: 31.5 (short), Spread: 57.9 (broad), Control: 7.380 (tight)

Light Distribution Curve [Unit:cd]





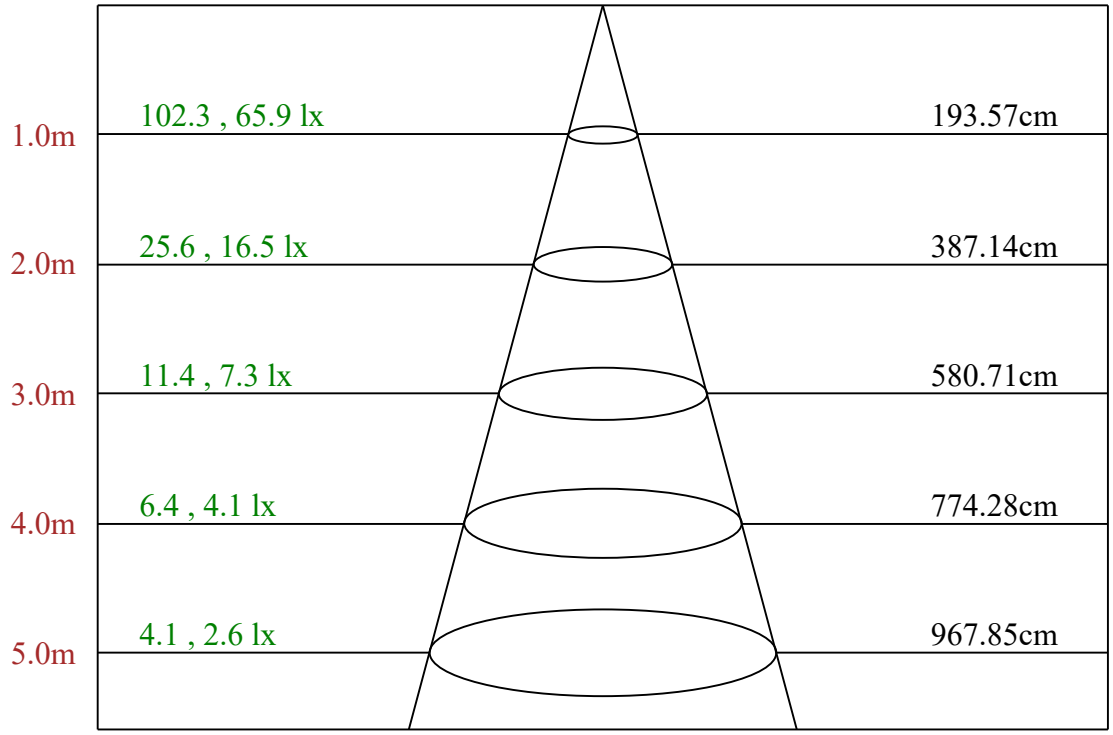
C0/C180:

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:88.3 Right:88.3
:C90/270Left:88.8 Right:88.8

Lux distance Curve

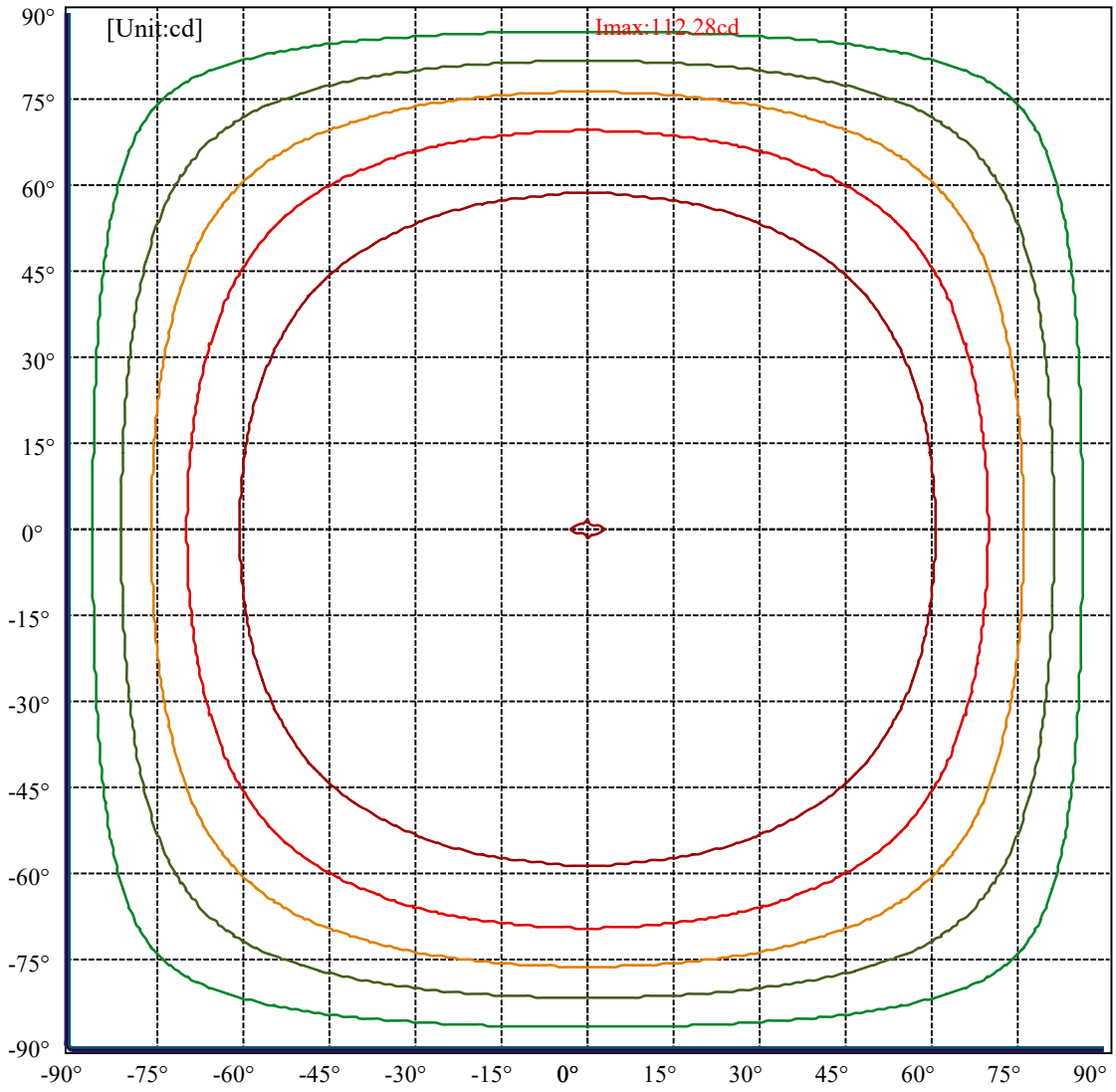


Max , Ave

Beam angle of C0 plane 88.13

RD MACRON PT5DB-R-BK 175mA

ISO-Intensity(V-H)



(10%Imax) 11.2282
(20%Imax) 22.4563
(30%Imax) 33.6845
(40%Imax) 44.9126
(50%Imax) 56.1408
(60%Imax) 67.3689
(70%Imax) 78.5971
(80%Imax) 89.8252
(90%Imax) 101.053

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