MACRON ASSOCIATE CO.

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MACRON

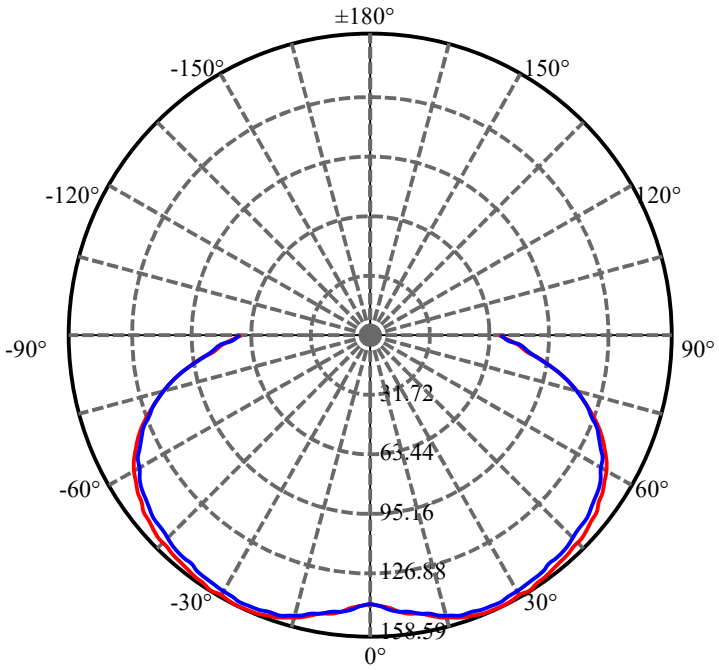
Client:
LumCAT: PT5DB-R-BK 250mA
Luminaire:

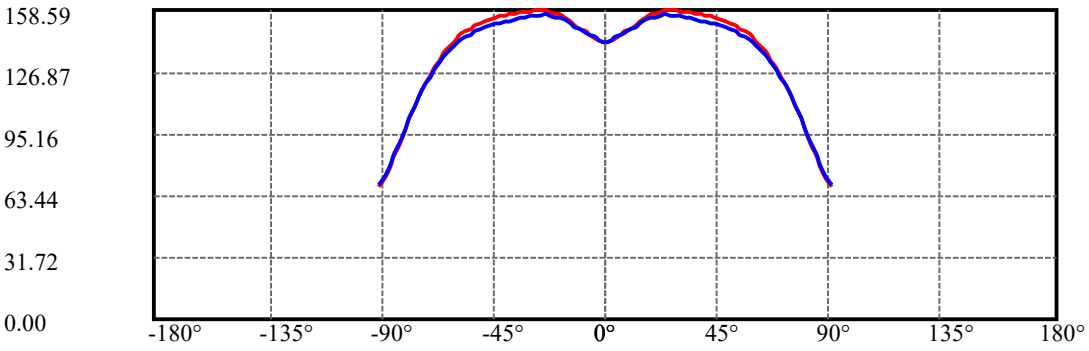
Report No:	Voltage(V): 120.3300
Test No: Elise	Current(A): 0.0800
LampCAT:	Power (W): 9.5540
Lamp flux(lm): 500.0	PF: 0.9940
Number of Lamps: 1	Ballast type:
Length(mm): 950	Width(mm): 950
Phm Type: C	Height(mm): 1

Photometric Results

Lumens(lm): 815.73, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 85.38
Central intensity(cd): 141.890, Maximum intensity(cd): 158.594
Angle of maximum intensity: C=0.0 γ=26.0
Beam Angle(50%Imax): [C0/180]Total=177.0
[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) : 69.09902
Max Cd(80 to 90°Vert) : 97.49468
Street Side UpWard Lumens: - -of Lamp 0.00%of Luminaire
Street Side DownWard Lumens: 81.57%of Lamp 50.00%of Luminaire
House Side UpWard Lumens: - -of lamp 0.00%of Luminaire
House Side DownWard Lumens: 81.57%of Lamp 50.00%of Luminaire
SLI: 6.869 (C Flash Area: 0.218)
Throw: 31.0 (short), Spread: 58.0 (broad), Control: 6.869 (tight)

Light Distribution Curve [Unit:cd]





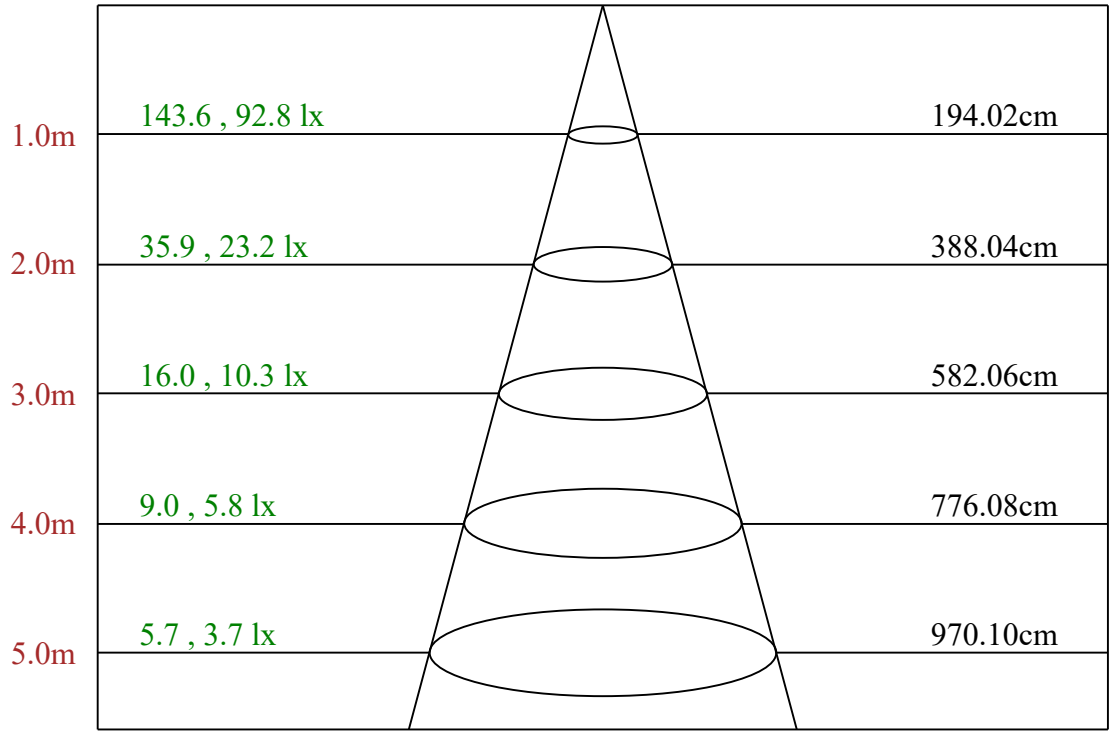
C0/C180:

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:88.5 Right:88.5
:C90/270Left:89.0 Right:89.0

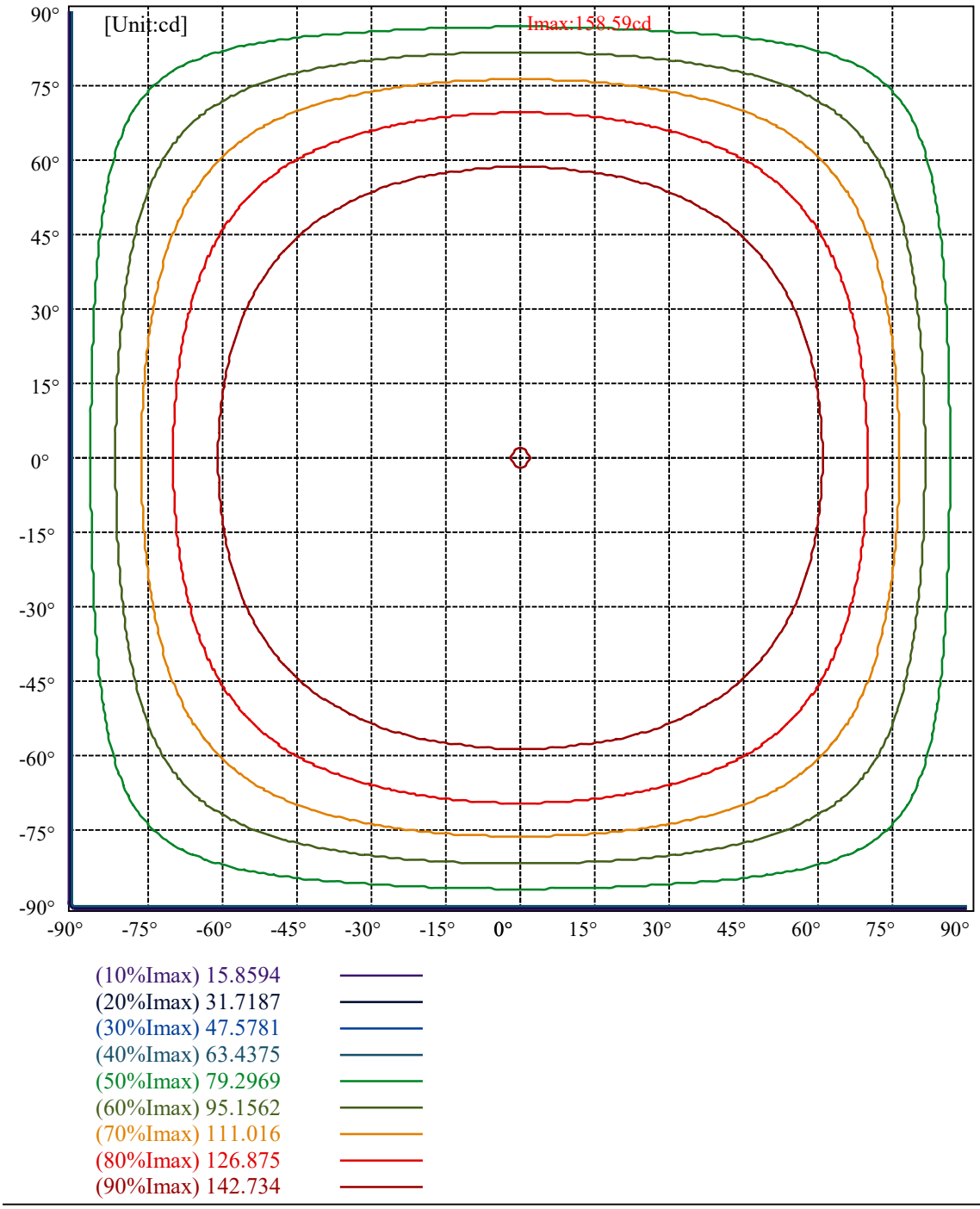
Lux distance Curve



Max , Ave

Beam angle of C0 plane 88.26

ISO-Intensity(V-H)



(10%Imax) 15.8594
(20%Imax) 31.7187
(30%Imax) 47.5781
(40%Imax) 63.4375
(50%Imax) 79.2969
(60%Imax) 95.1562
(70%Imax) 111.016
(80%Imax) 126.875
(90%Imax) 142.734

Equipment: Goniophotometric System
Temperature(°C): 25.0

Date: 2026/8/20
Humidity(%): 70.0%

Operator: Jensen
Distance(m): 5.93