MACRON ASSOCIATE CO.

Tel: +886 4-22708357 Fax: +886 4-22771023
Address:No.352, Perng-Yi Road, Taiping, Taichung, 41146, Taiwan R.O.C

MACRON

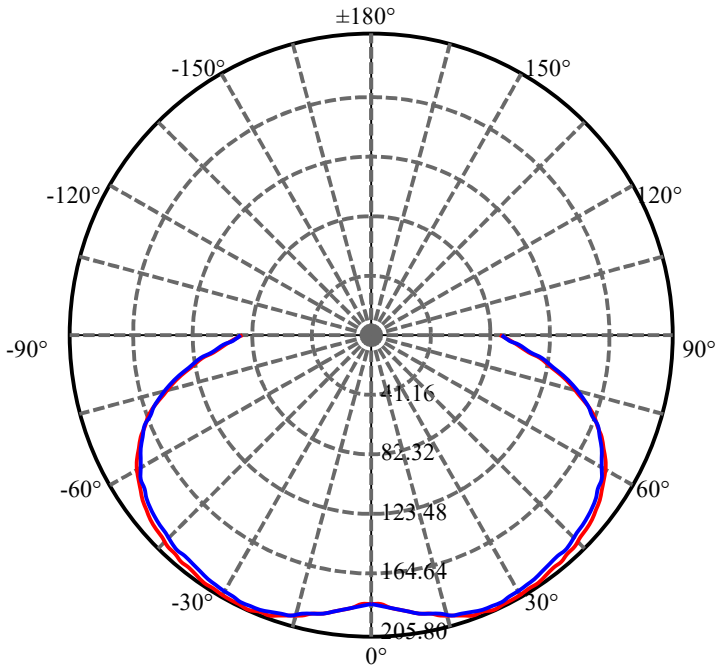
Client:
LumCAT: PT5DB-R-BK 325mA
Luminaire:

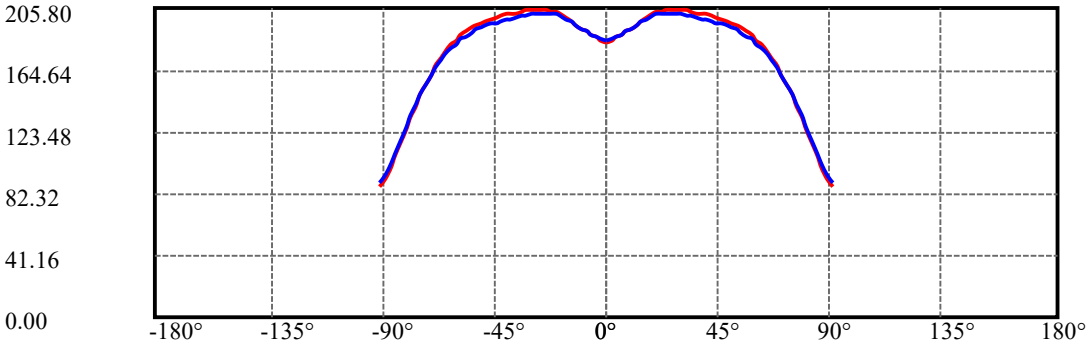
Report No:	Voltage(V): 120.3000
Test No: Elise	Current(A): 0.1090
LampCAT:	Power (W): 12.9590
Lamp flux(lm): 500.0	PF: 0.9890
Number of Lamps: 1	Ballast type:
Length(mm): 950	Width(mm): 950
Phm Type: C	Height(mm): 1

Photometric Results

Lumens(lm): 1056.81, Efficiency(%): 100.00% , Luminous Efficacy(lm/W): 81.55
Central intensity(cd): 183.385, Maximum intensity(cd): 205.803
Angle of maximum intensity: C=15.0 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) : 88.9672
Max Cd(80 to 90°Vert) : 126.242
Street Side UpWard Lumens: - -of Lamp 0.00%of Luminaire
Street Side DownWard Lumens: 105.68%of Lamp 50.00%of Luminaire
House Side UpWard Lumens: - -of lamp 0.00%of Luminaire
House Side DownWard Lumens: 105.68%of Lamp 50.00%of Luminaire
SLI: 6.506 (C Flash Area: 0.218)
Throw: 31.1 (short), Spread: 57.8 (broad), Control: 6.506 (tight)

Light Distribution Curve [Unit:cd]





C0/C180:

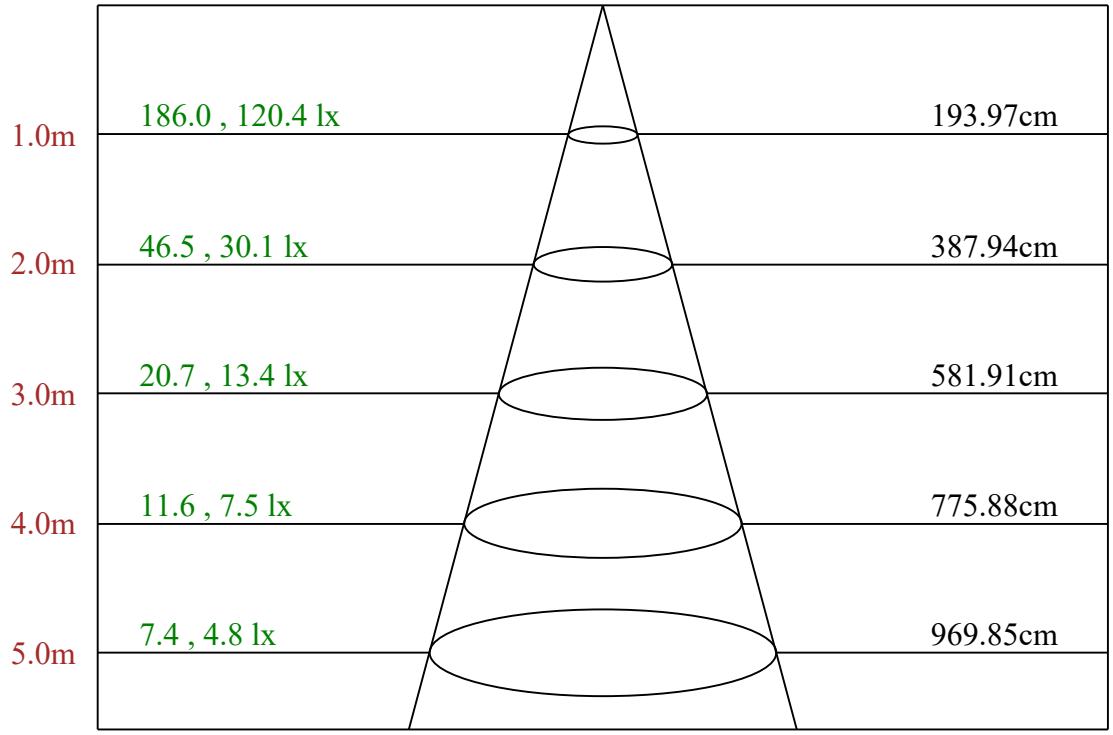
C90/C270:

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

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

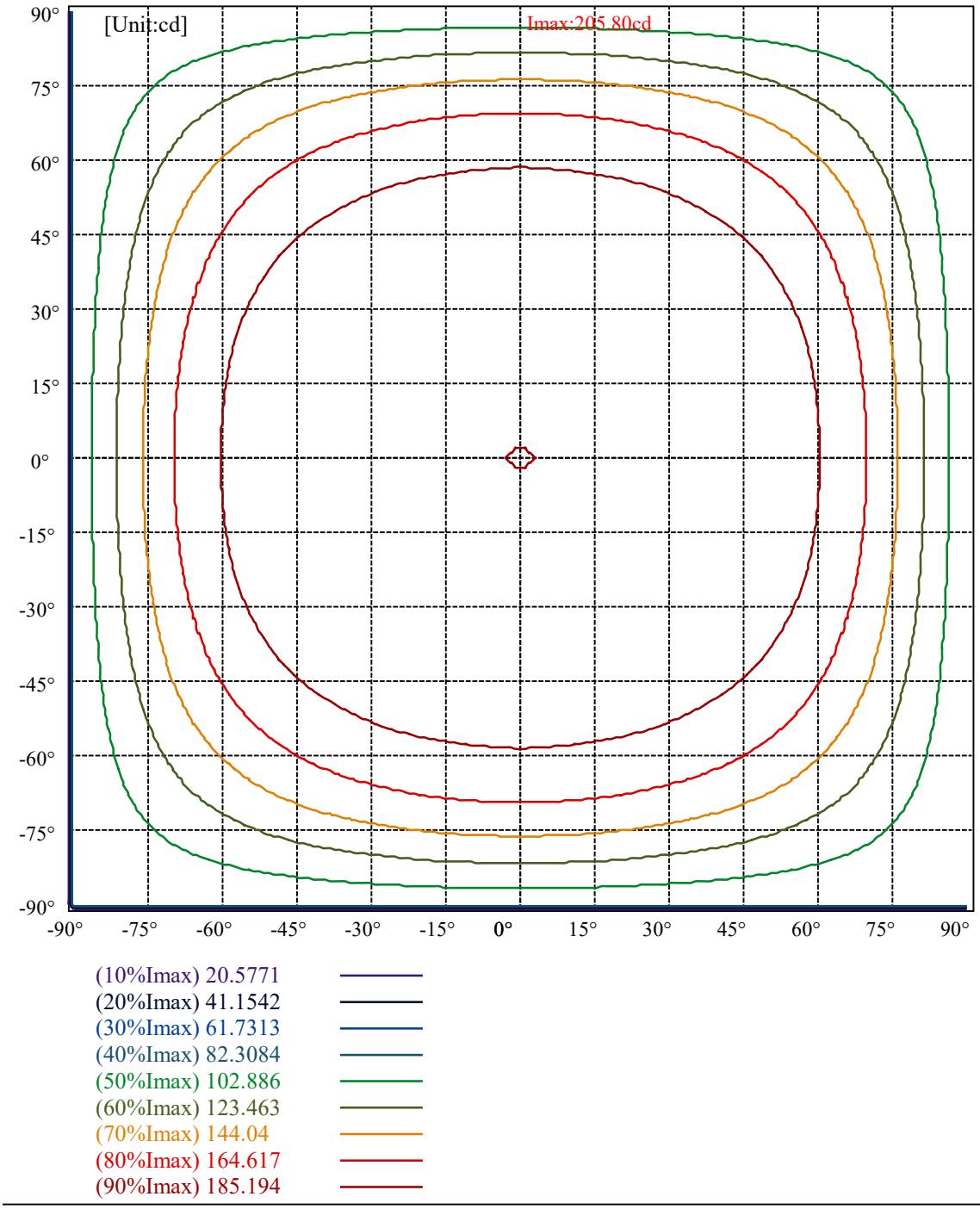
Lux distance Curve



Max , Ave

Beam angle of C15 plane 88.25

ISO-Intensity(V-H)



(10%Imax) 20.5771
(20%Imax) 41.1542
(30%Imax) 61.7313
(40%Imax) 82.3084
(50%Imax) 102.886
(60%Imax) 123.463
(70%Imax) 144.04
(80%Imax) 164.617
(90%Imax) 185.194

Equipment: Goniophotometric System
Temperature(°C): 25.0

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

Operator: Jensen
Distance(m): 5.93