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LumCAT:

Luminaire: darklight 50 c serie 2 fm

LampCAT: modulo led 36W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0100

Test No:

Current(A): 0.3070

Number of Lamps: 1

Power (W): 38.7280

Lamp flux(lm): 3870.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3206.07, Efficiency(%): 82.84% , Luminous Efficacy(lm/W): 82.78

Central intensity(cd): 14734.720, Maximum intensity(cd): 14734.720

Angle of maximum intensity: C=0.0 γ =0.0

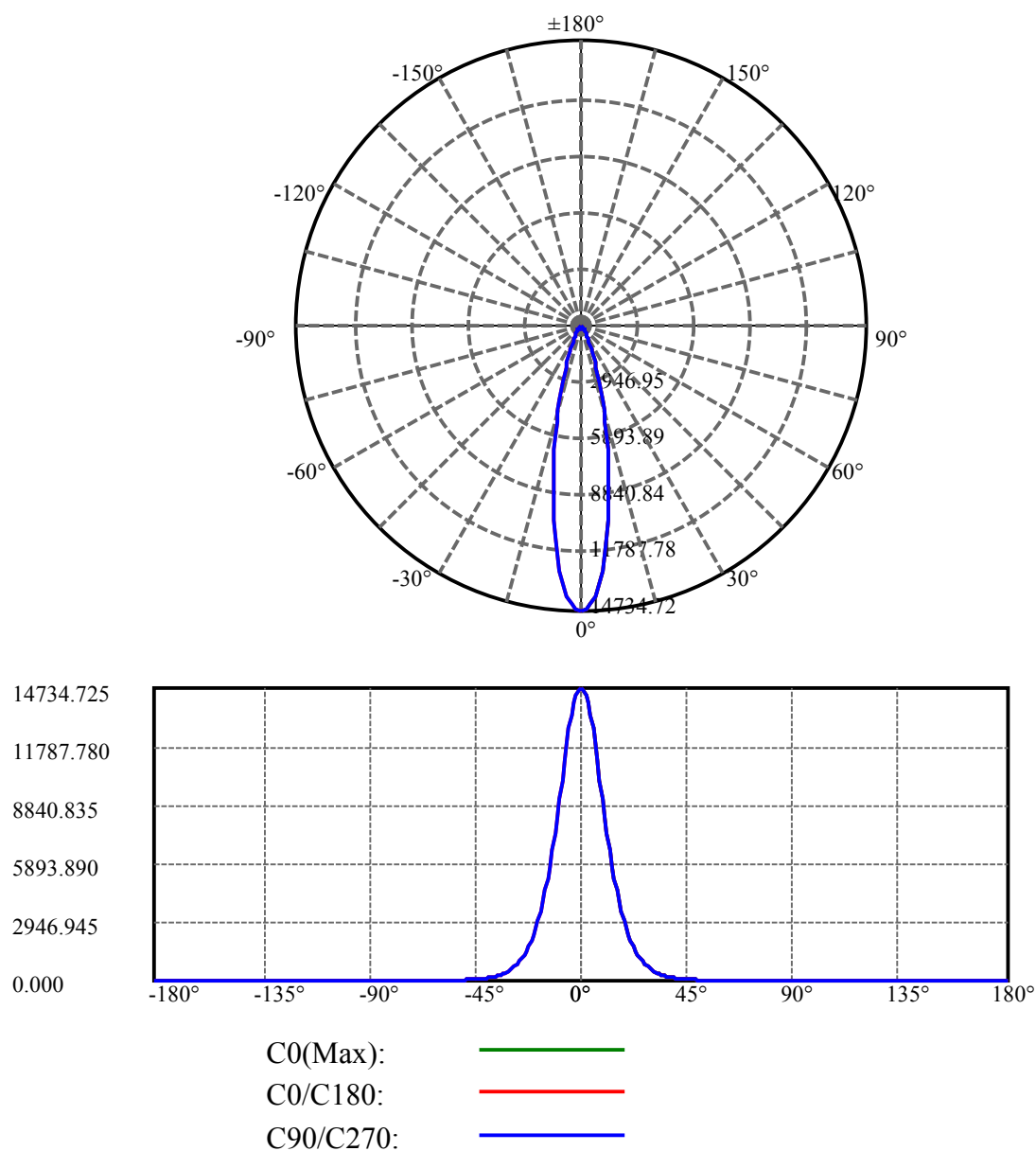
Beam angle of C0 plane : 22.04

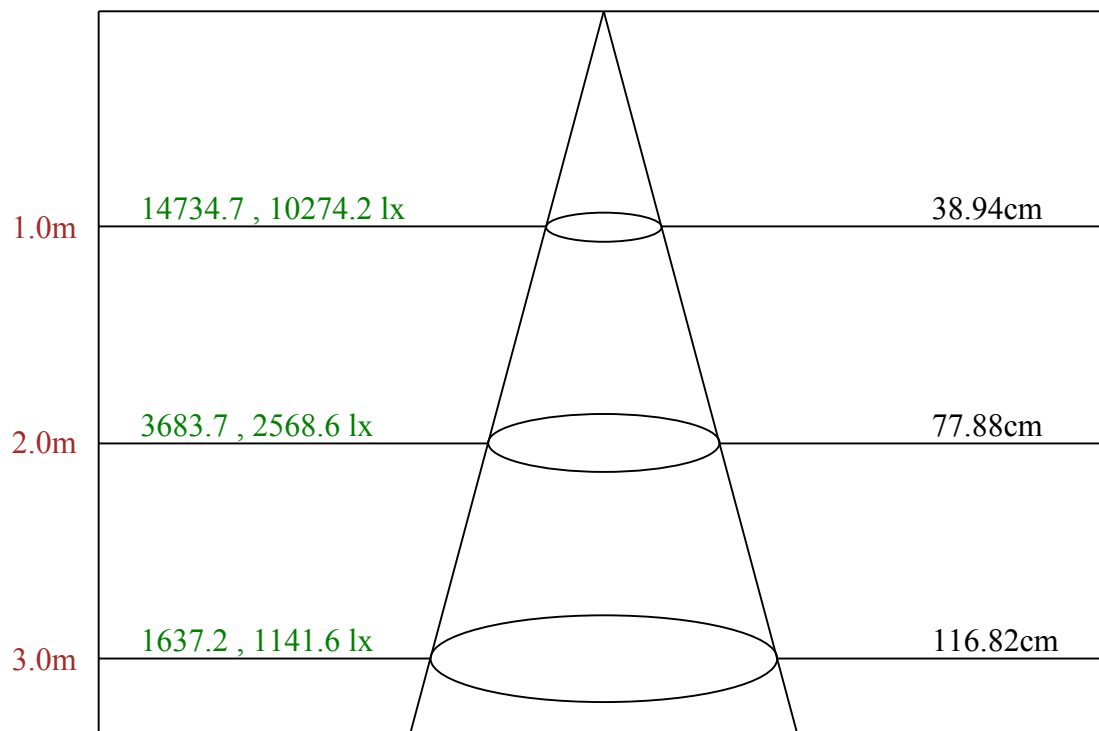
Aveage BeamAngle(IEC 61341):22.04

Equipment: equipamento lumini
Temperature(°C): 27.2

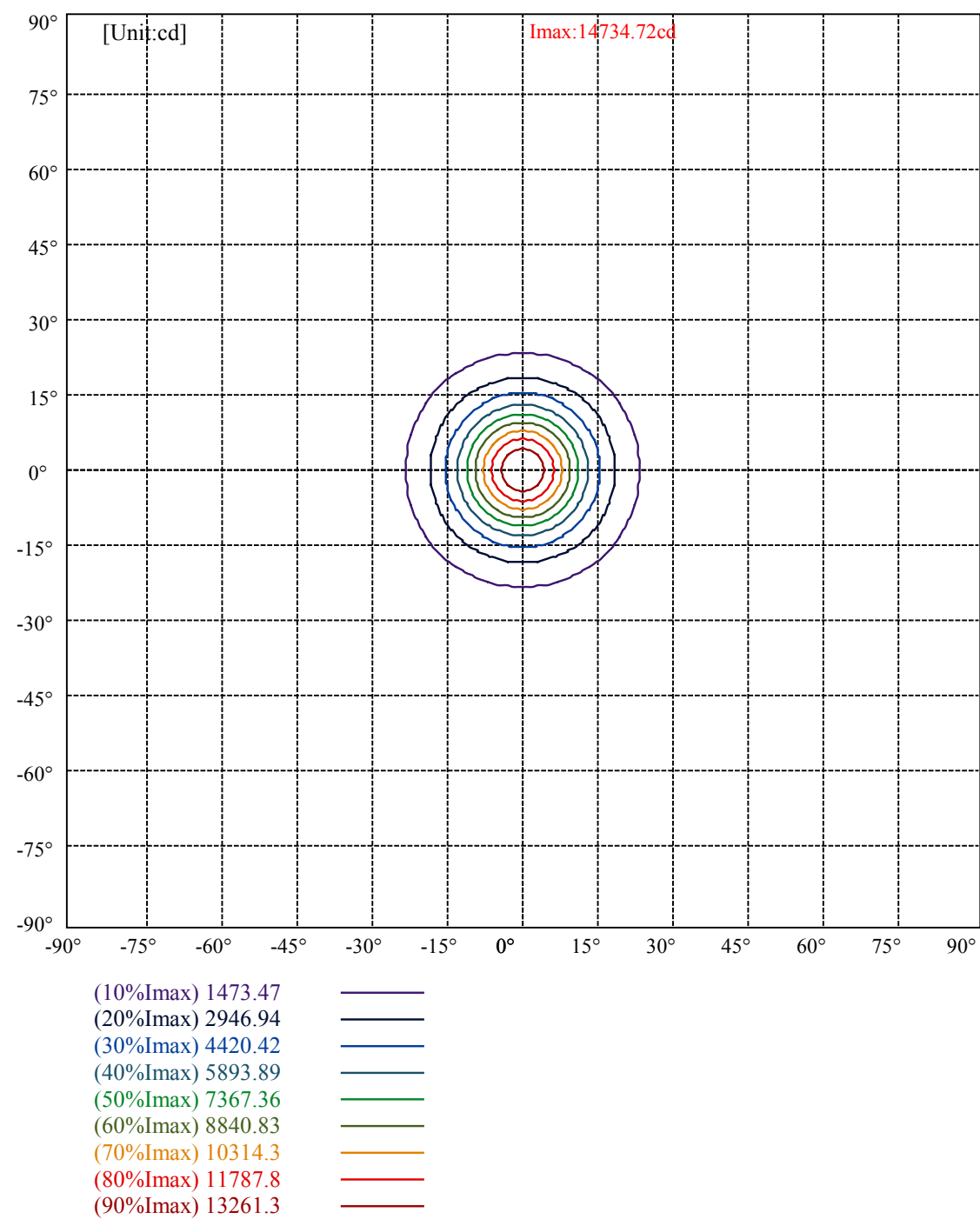
Date: 19/02/2025
Humidity(%): 59.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 22.04



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Luminance Limiting Curve(no luminous side)

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Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	12208	7858	4792	3270	2880	3378	4446	6619	13162
C45	12208	7858	4792	3270	2880	3378	4446	6619	13162
C90	12208	7858	4792	3270	2880	3378	4446	6619	13162

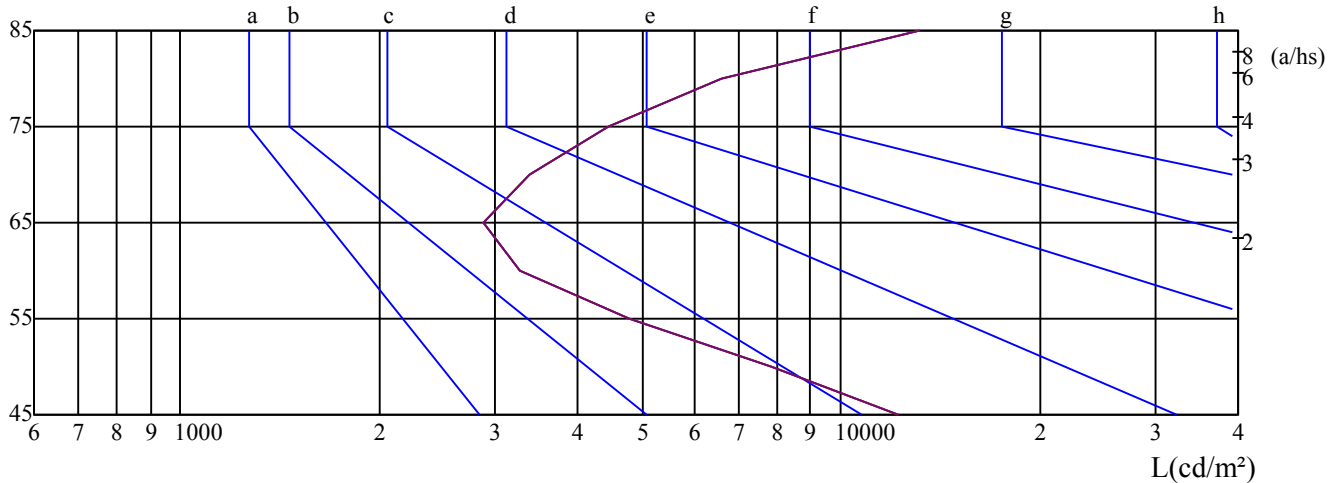
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2880	2880	2880	4446	4446	4446	13162	13162	13162

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

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 27.2

Date: 19/02/2025
Humidity(%): 59.0%

Operator: 01
Distance(m): 6.90