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LumCAT:

Luminaire: darklight 34 c serie 2 fc

LampCAT: modulo led 24W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0100

Test No:

Current(A): 0.2080

Number of Lamps: 1

Power (W): 26.2660

Lamp flux(lm): 2580.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2170.16, Efficiency(%): 84.11% , Luminous Efficacy(lm/W): 82.62

Central intensity(cd): 11673.580, Maximum intensity(cd): 11673.580

Angle of maximum intensity: C=0.0 γ =0.0

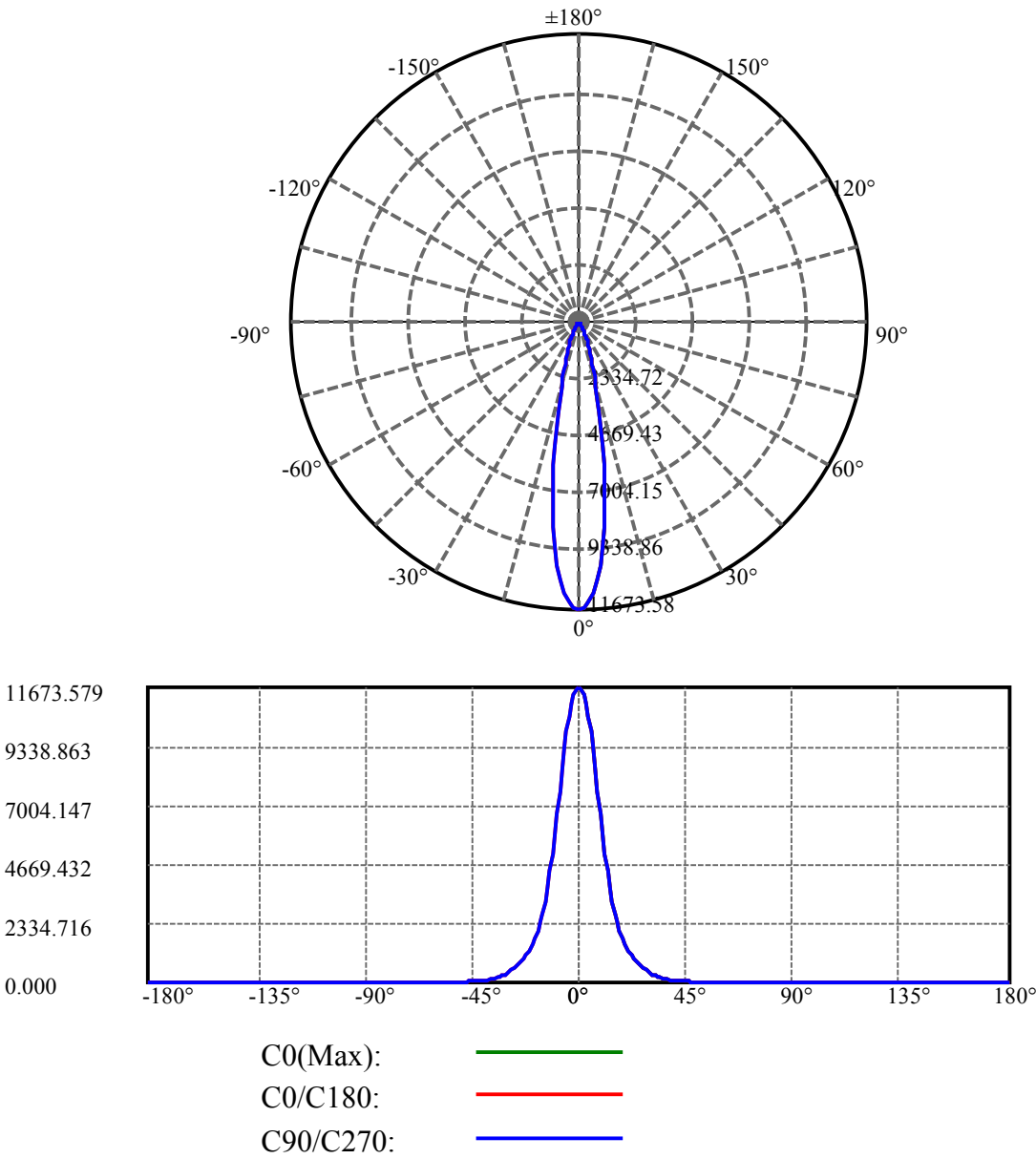
Beam angle of C0 plane : 20.14

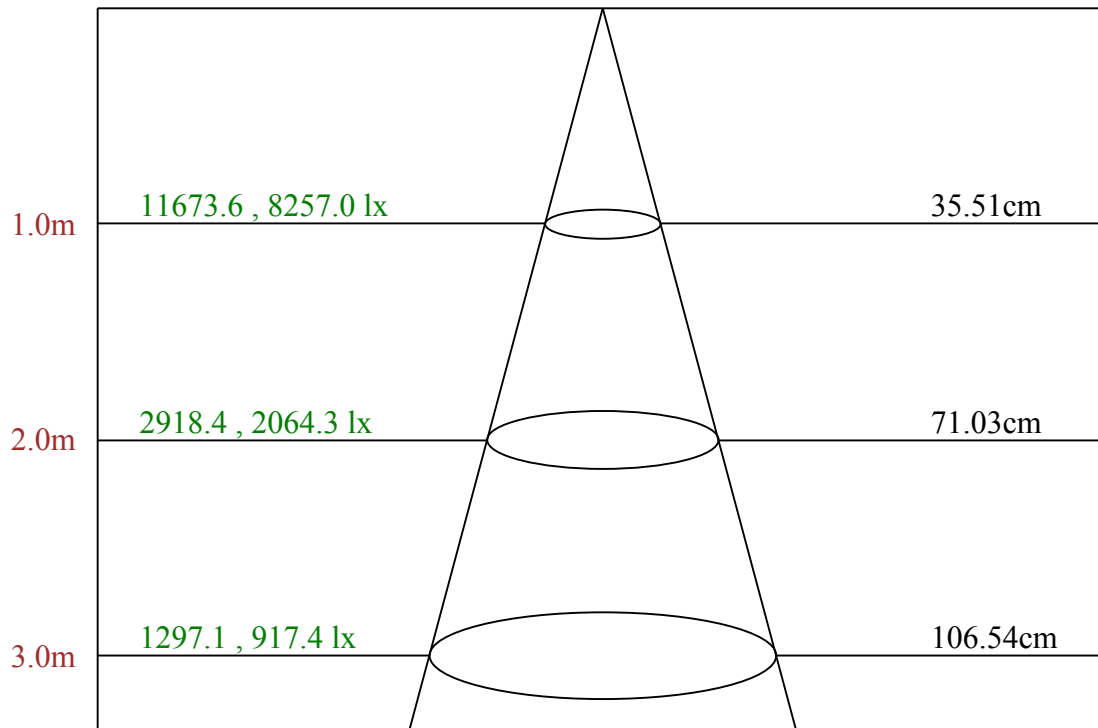
Aveage BeamAngle(IEC 61341):20.14

Equipment: equipamento lumini
Temperature(°C): 26.5

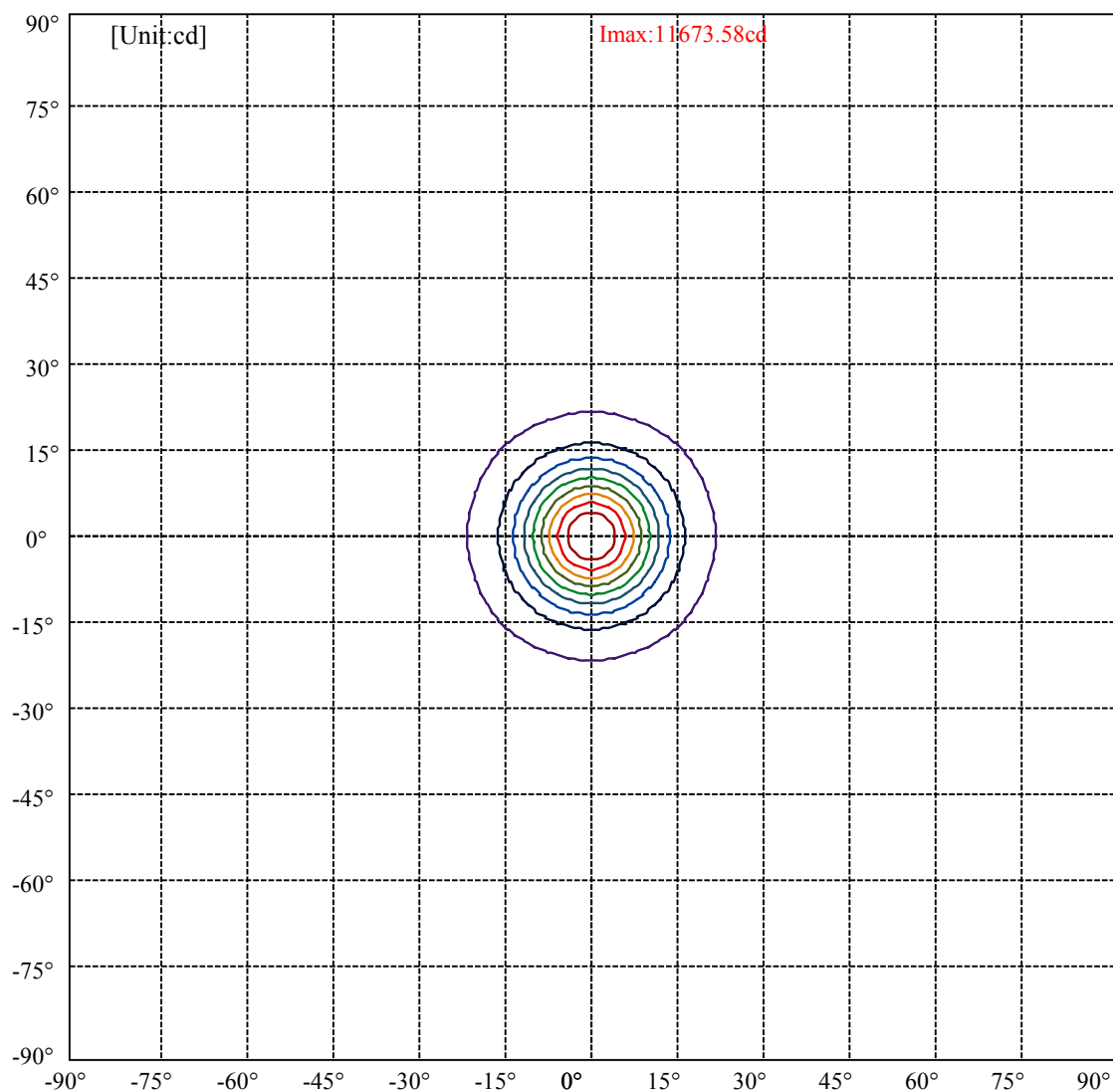
Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.14



(10%Imax) 1167.36	—
(20%Imax) 2334.72	—
(30%Imax) 3502.07	—
(40%Imax) 4669.43	—
(50%Imax) 5836.79	—
(60%Imax) 7004.15	—
(70%Imax) 8171.51	—
(80%Imax) 9338.86	—
(90%Imax) 10506.2	—

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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	7253	4759	3171	2184	1973	2312	3050	4511	9013
C45	7253	4759	3171	2184	1973	2312	3050	4511	9013
C90	7253	4759	3171	2184	1973	2312	3050	4511	9013

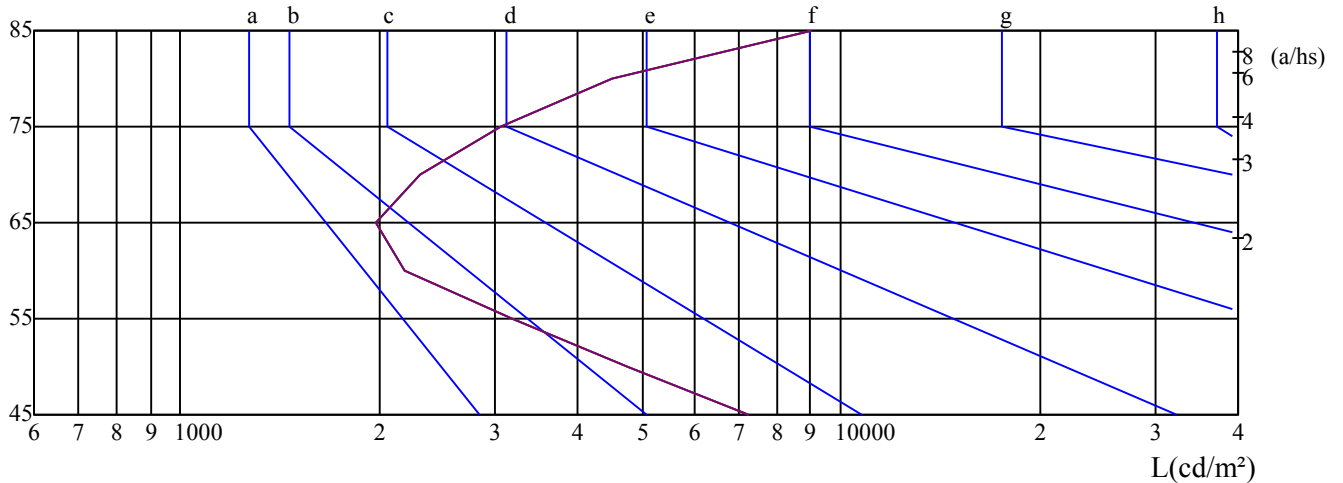
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1973	1973	1973	3050	3050	3050	9013	9013	9013

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($^{\circ}\text{C}$): 26.5

Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90