



lumini Solucoes em Iluminacao LTDA
www.lumini.com.br
Email:laboratorio@lumini.com.br
Tel:+55 11 3437-5555 Fax:+55 11 3437-5555
Address:Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

lumini

LumCAT:

Luminaire: darklight 50 c serie 2 fa

LampCAT: modulo led 36W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.3060

Number of Lamps: 1

Power (W): 38.6320

Lamp flux(lm): 3870.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2798.68, Efficiency(%): 72.32% , Luminous Efficacy(lm/W): 72.44

Central intensity(cd): 3338.913, Maximum intensity(cd): 3353.339

Angle of maximum intensity: C=0.0 γ =6.0

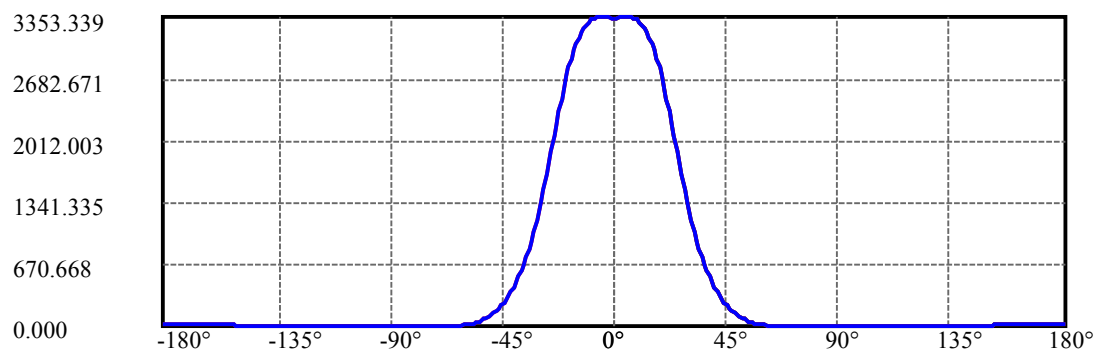
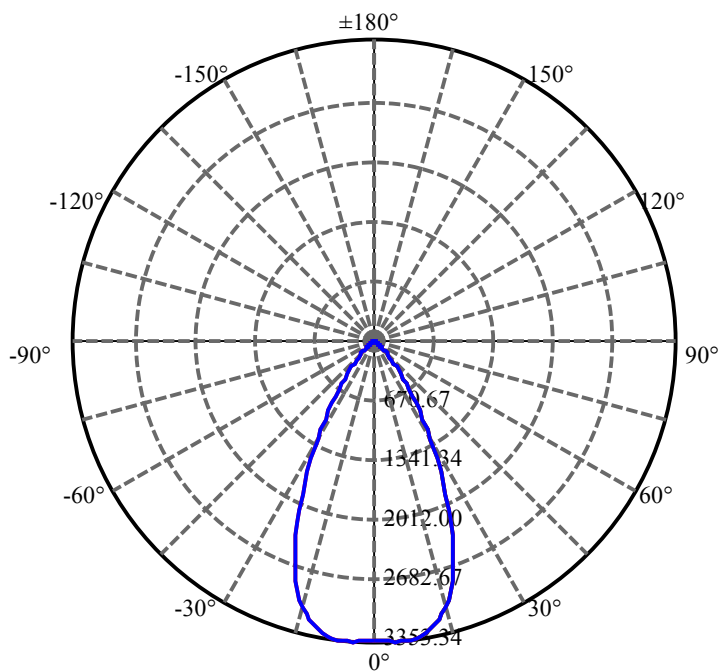
Beam angle of C0 plane : 53.48

Aveage BeamAngle(IEC 61341):53.48

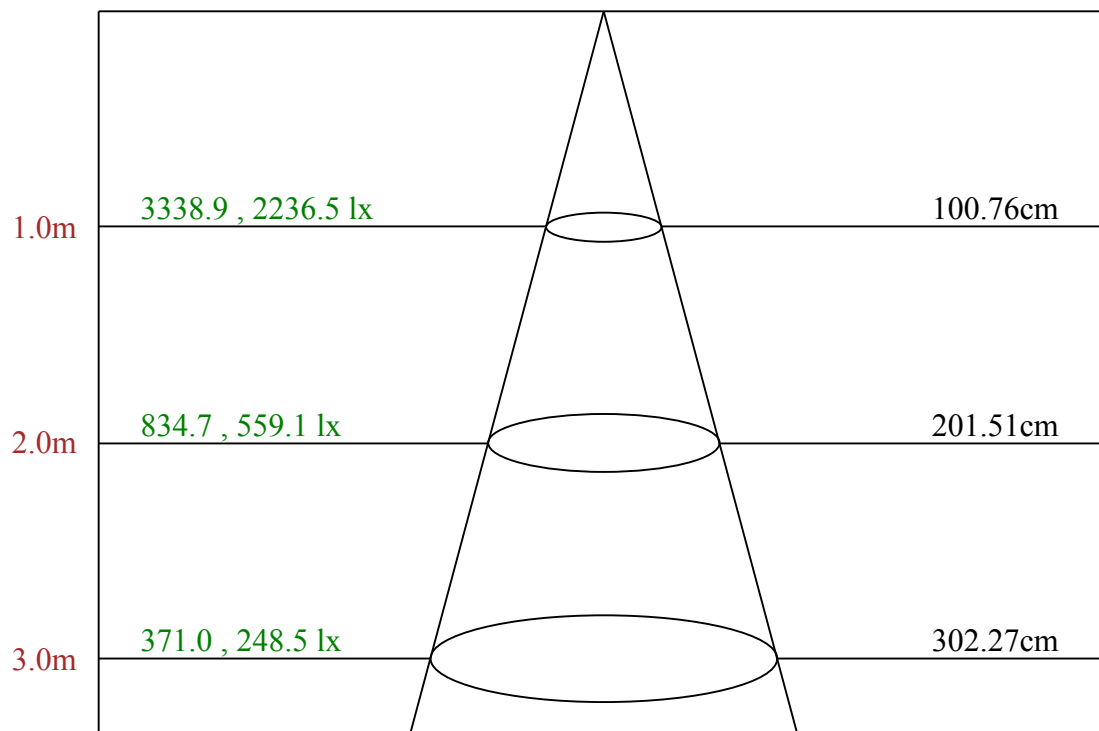
Equipment: equipamento lumini
Temperature(°C): 27.2

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

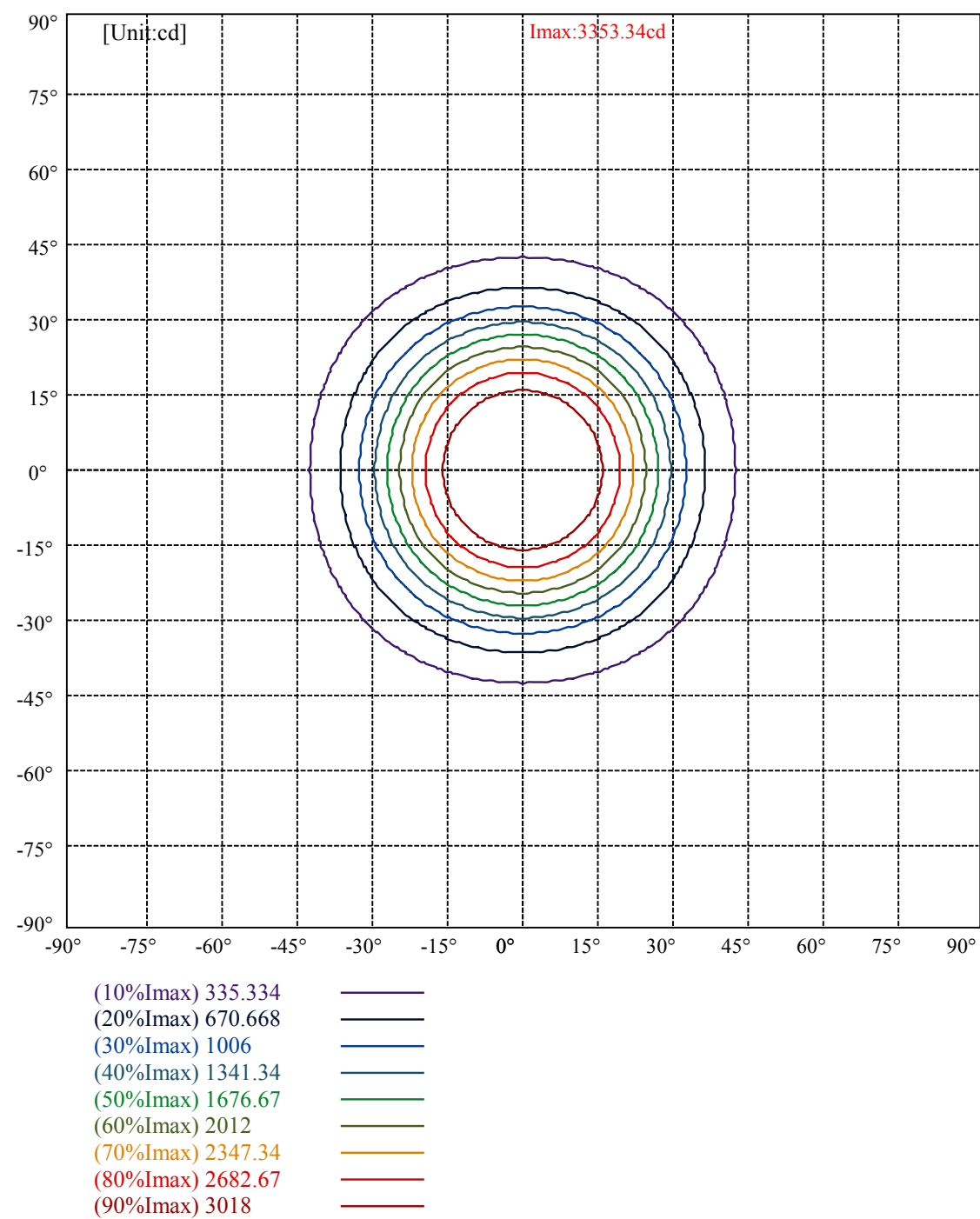
Operator: 01
Distance(m): 6.90



C0(Max):
C0/C180:
C90/C270:



Max , Ave Beam angle of C0 plane 53.48



lumini

Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:5

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	39124	20868	8140	3108	2091	2490	3271	4879	9688
C45	39124	20868	8140	3108	2091	2490	3271	4879	9688
C90	39124	20868	8140	3108	2091	2490	3271	4879	9688

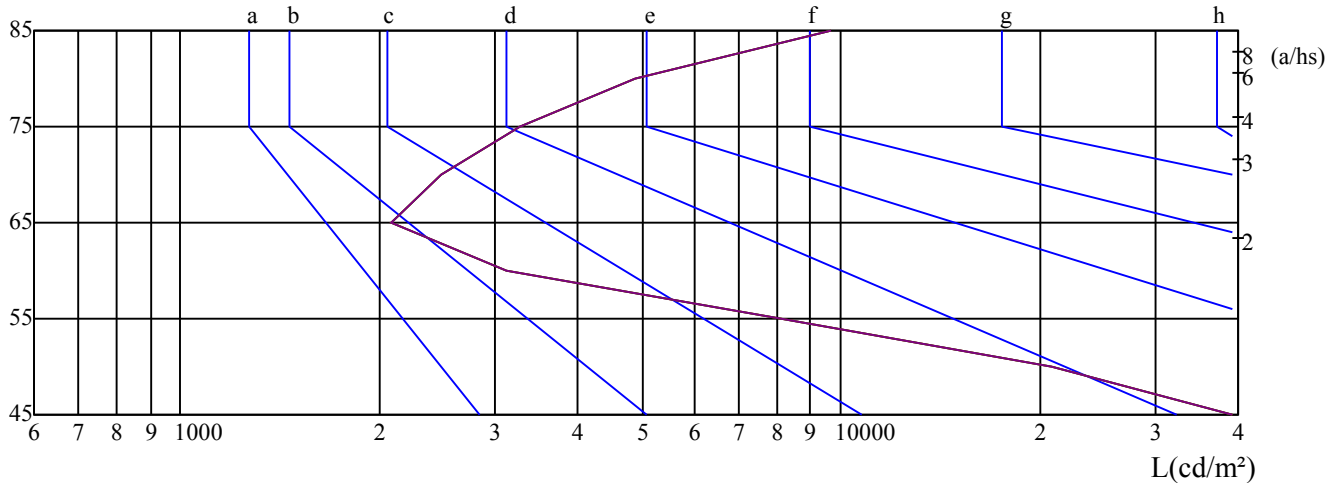
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2091	2091	2091	3271	3271	3271	9688	9688	9688

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