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## lumini

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LumCAT:

Luminaire: led line perfil 12V e lp 2.5W (com difusor)

LampCAT: modulo led line 5W/m 12Vdc 30K irc 90 ip65

Ballast type: led line driver 12V

Report No:

Voltage(V): 126.0000

Test No:

Current(A): 0.0420

Number of Lamps: 1

Power (W): 5.2920

Lamp flux(lm): 272.0

PF: 0.0000

Length(mm): 500

Width(mm): 21

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 160.42, Efficiency(%): 58.98% , Luminous Efficacy(lm/W): 30.31

Central intensity(cd): 57.465, Maximum intensity(cd): 57.465

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam angle of C0 plane : 108.42

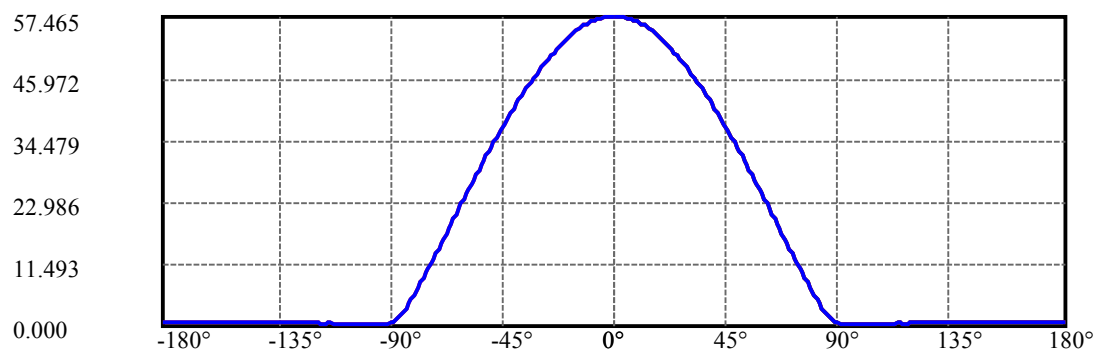
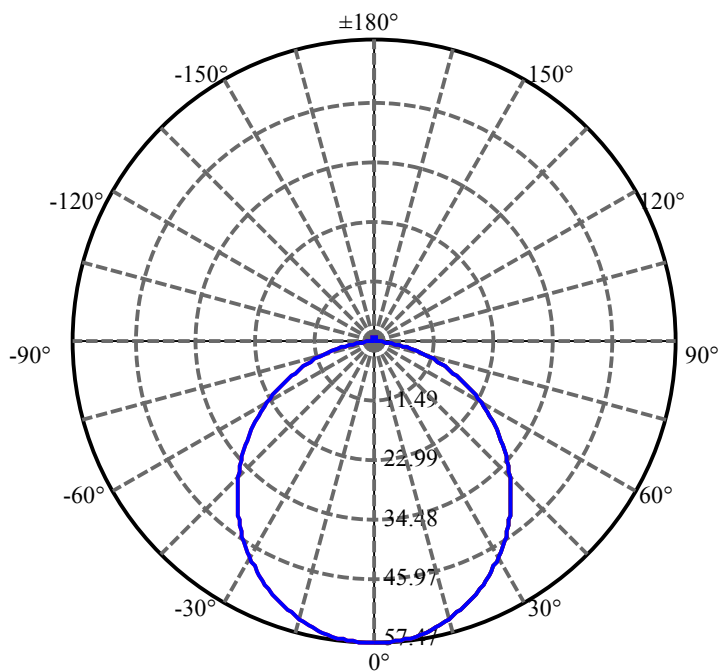
Aveage BeamAngle(IEC 61341):108.42

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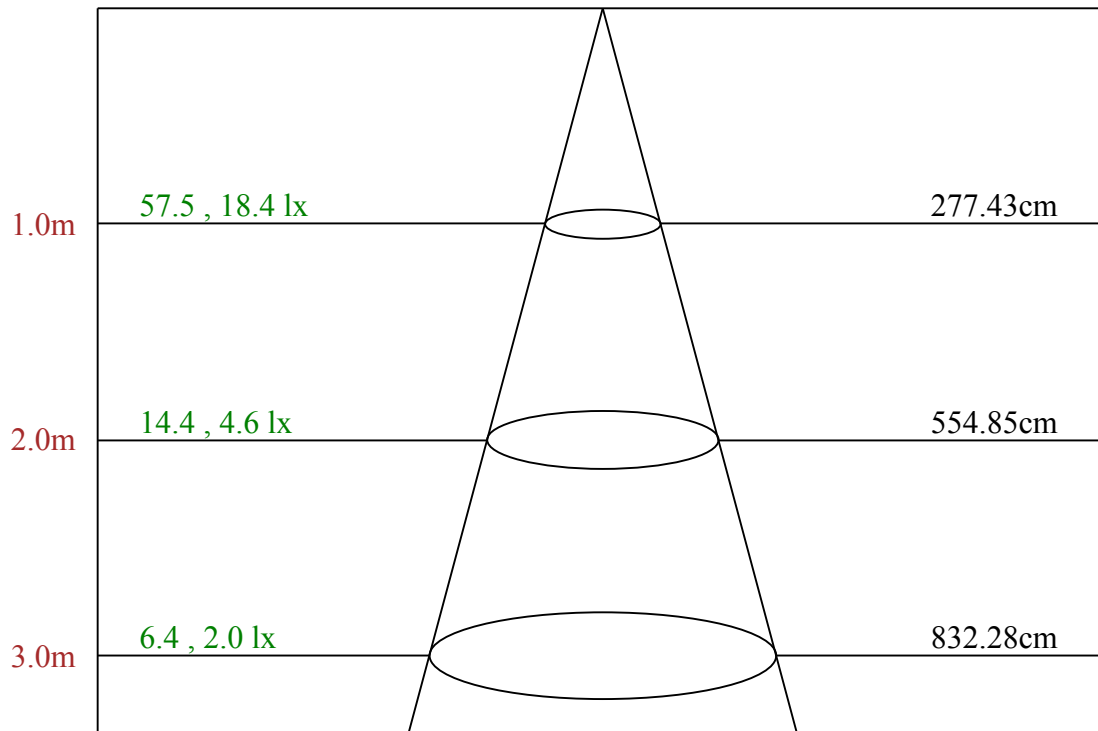
Equipment: equipamento lumini  
Temperature(°C): 27.5

Date: 23/01/2025  
Humidity(%): 45.0%

Operator: 01  
Distance(m): 6.90

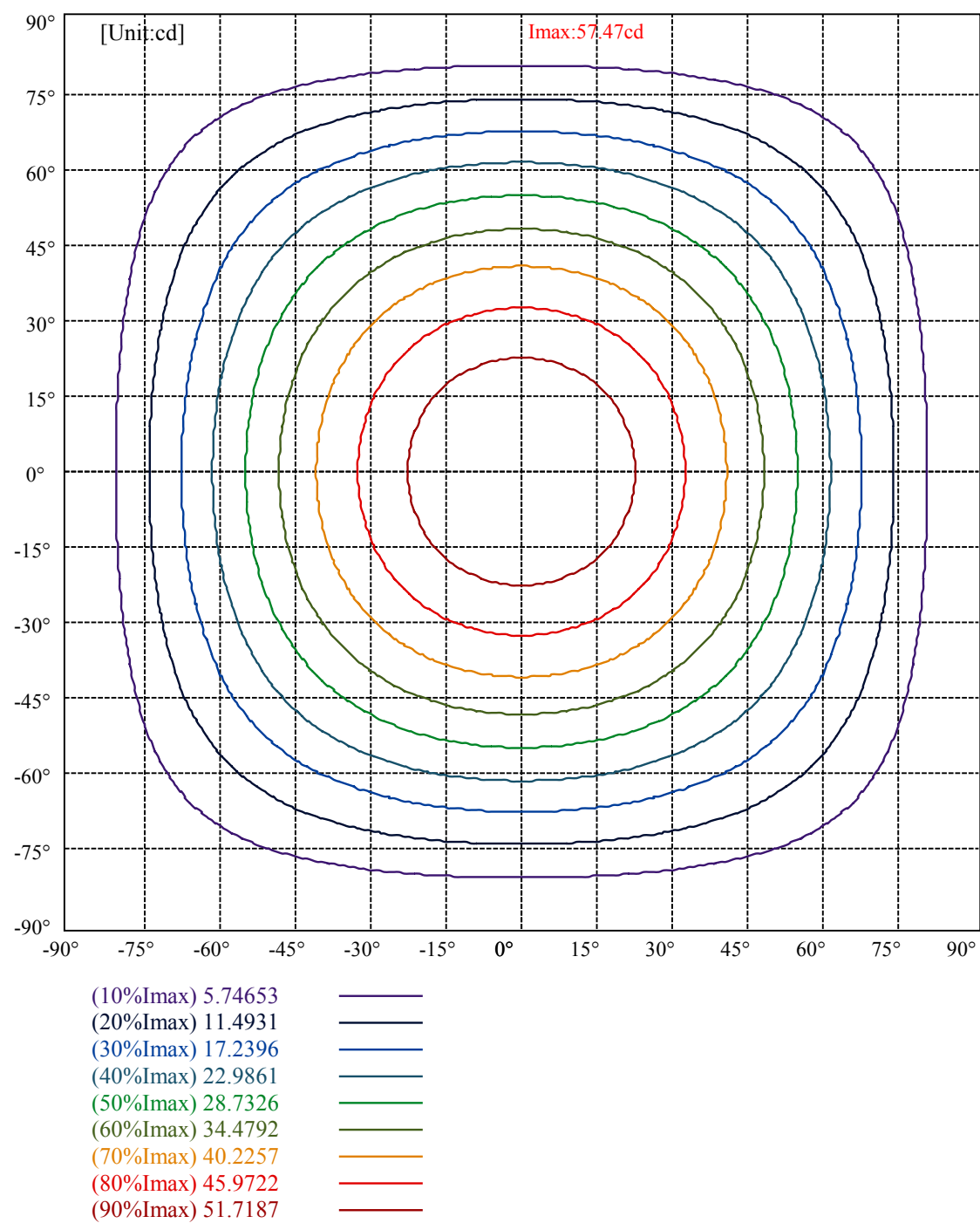


C0(Max):  
C0/C180:  
C90/C270:



Max , Ave

Beam angle of C0 plane 108.42



## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	4924	4806	4664	4510	4265	4007	3642	3042	2322
C45	4924	4806	4664	4510	4265	4007	3642	3042	2322
C90	4924	4806	4664	4510	4265	4007	3642	3042	2322

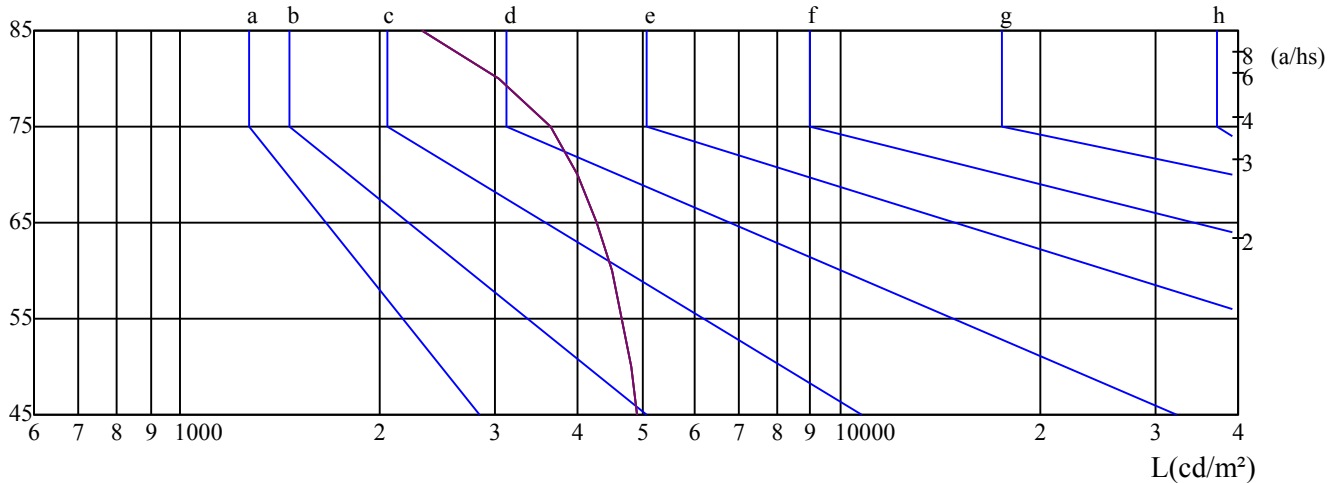
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4265	4265	4265	3642	3642	3642	2322	2322	2322

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini  
Temperature( $^{\circ}\text{C}$ ): 27.5

Date: 23/01/2025  
Humidity(%): 45.0%

Operator: 01  
Distance(m): 6.90

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	17.99	19.56	18.38	19.92	20.29	18.22	19.79	18.61	20.15	20.52
	3H	19.67	21.10	20.09	21.48	21.88	19.98	21.41	20.40	21.79	22.19
	4H	20.31	21.66	20.74	22.05	22.47	20.64	21.98	21.07	22.38	22.79
	6H	20.80	22.05	21.24	22.46	22.91	21.15	22.40	21.59	22.81	23.25
	8H	20.94	22.14	21.38	22.56	23.01	21.30	22.51	21.75	22.93	23.38
	12H	21.01	22.17	21.46	22.60	23.06	21.39	22.55	21.84	22.98	23.44
4H	2H	18.77	20.11	19.19	20.50	20.92	18.94	20.28	19.37	20.68	21.09
	3H	20.61	21.75	21.06	22.18	22.64	20.86	22.00	21.31	22.43	22.89
	4H	21.43	22.44	21.89	22.90	23.39	21.69	22.71	22.16	23.16	23.65
	6H	21.99	22.90	22.49	23.38	23.87	22.29	23.19	22.78	23.67	24.16
	8H	22.20	23.05	22.71	23.53	24.04	22.52	23.36	23.02	23.85	24.36
	12H	22.34	23.13	22.85	23.61	24.16	22.68	23.46	23.19	23.94	24.49
8H	4H	21.75	22.60	22.26	23.08	23.59	21.99	22.83	22.49	23.32	23.83
	6H	22.46	23.17	22.98	23.67	24.22	22.72	23.43	23.24	23.93	24.48
	8H	22.81	23.42	23.35	23.97	24.50	23.09	23.71	23.63	24.25	24.79
	12H	23.01	23.53	23.56	24.08	24.63	23.32	23.84	23.87	24.38	24.94
12H	4H	21.79	22.58	22.30	23.06	23.61	22.02	22.80	22.53	23.28	23.83
	6H	22.59	23.21	23.13	23.75	24.29	22.84	23.46	23.38	24.00	24.54
	8H	22.94	23.46	23.49	24.00	24.56	23.21	23.73	23.76	24.28	24.83
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		3.3					3.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25