



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

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LumCAT:

Luminaire: led line perfil 12V c lp 2.5W (difusor alto)

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): 20

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 218.14, Efficiency(%): 80.20% , Luminous Efficacy(lm/W): 41.22

Central intensity(cd): 45.694, Maximum intensity(cd): 45.831

Angle of maximum intensity: C=0.0 γ =5.0

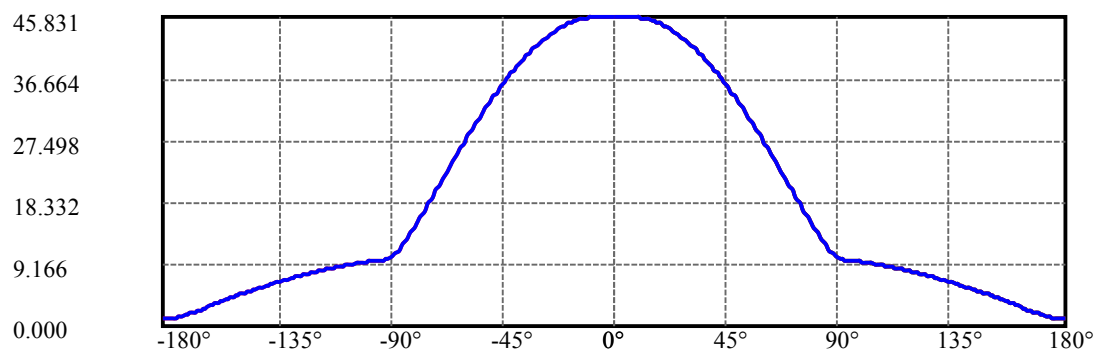
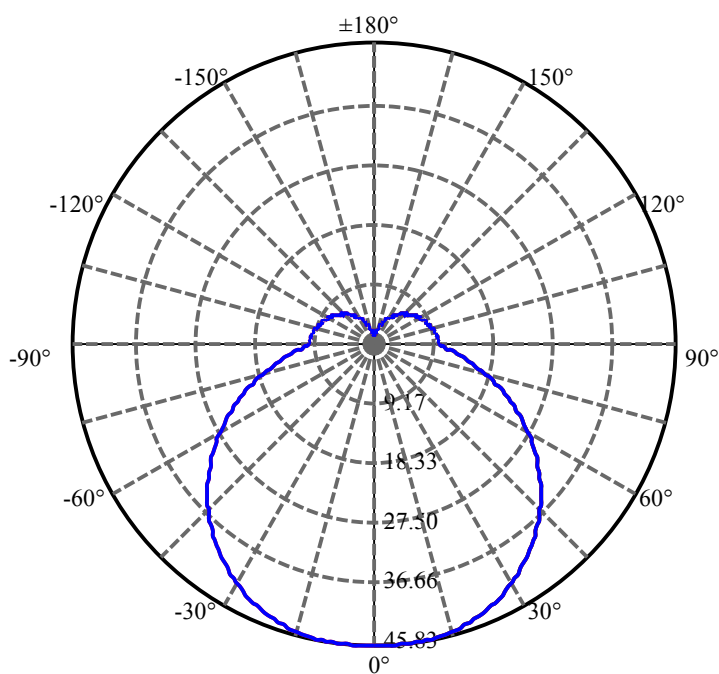
Beam angle of C0 plane : 133.38

Aveage BeamAngle(IEC 61341):133.38

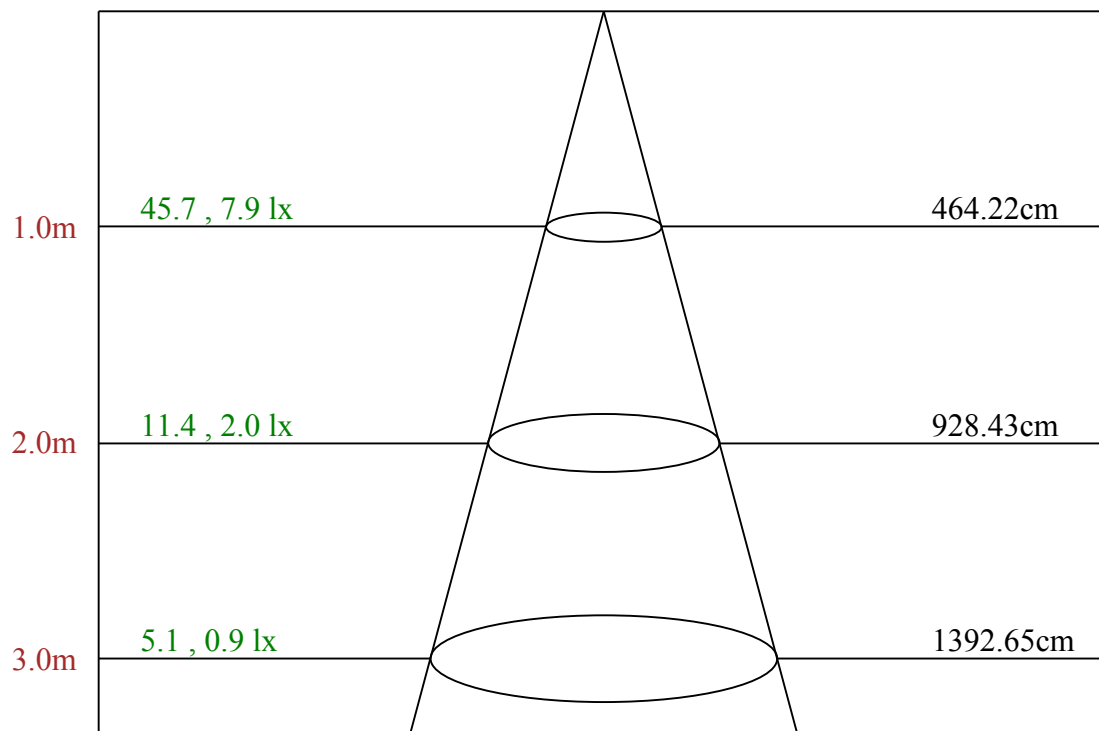
Equipment: equipamento lumini
Temperature(°C): 25.2

Date: 14/01/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90

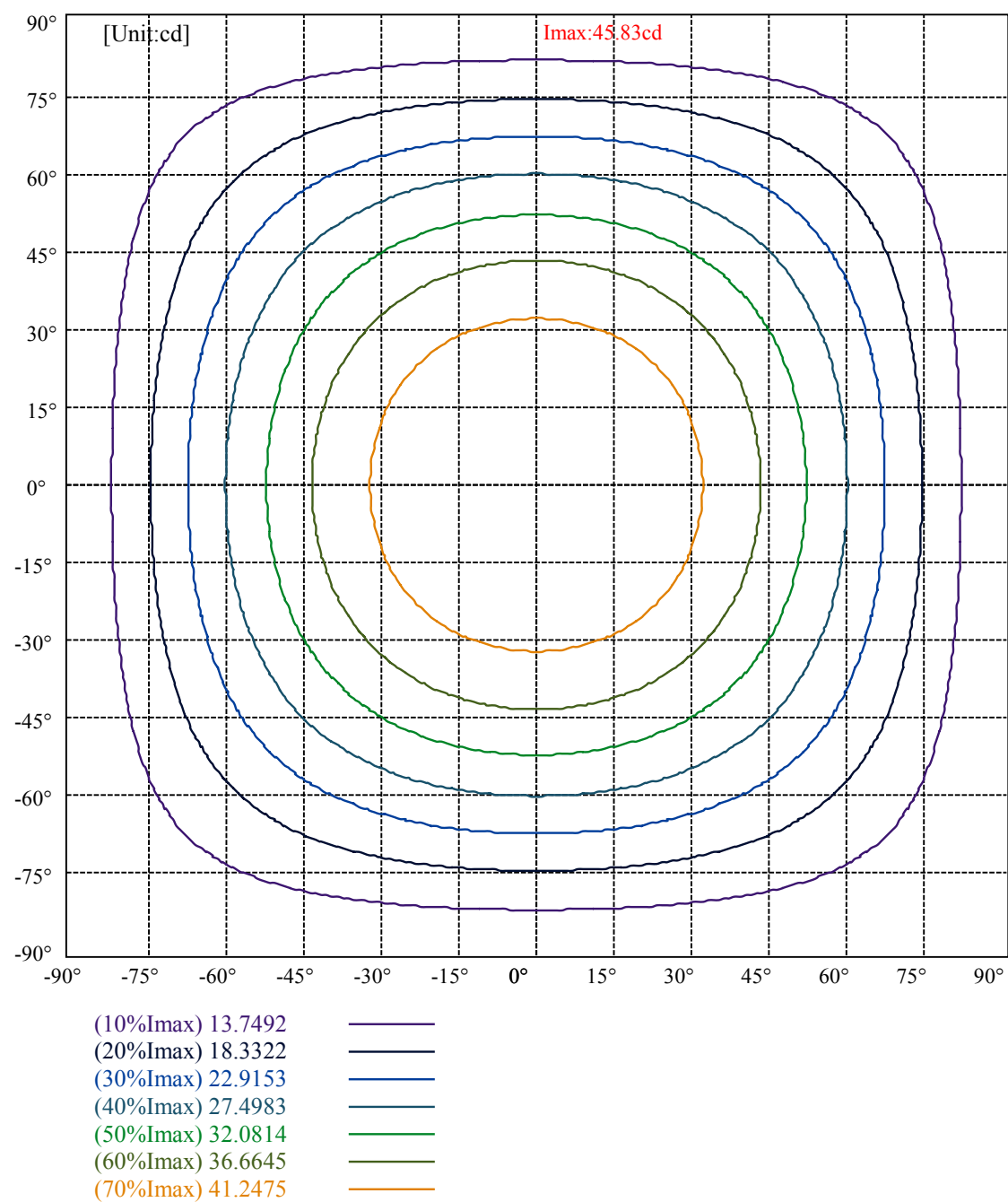


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 133.38



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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	5032	5129	5251	5419	5657	6078	6762	8314	13383
C45	5032	5129	5251	5419	5657	6078	6762	8314	13383
C90	5032	5129	5251	5419	5657	6078	6762	8314	13383

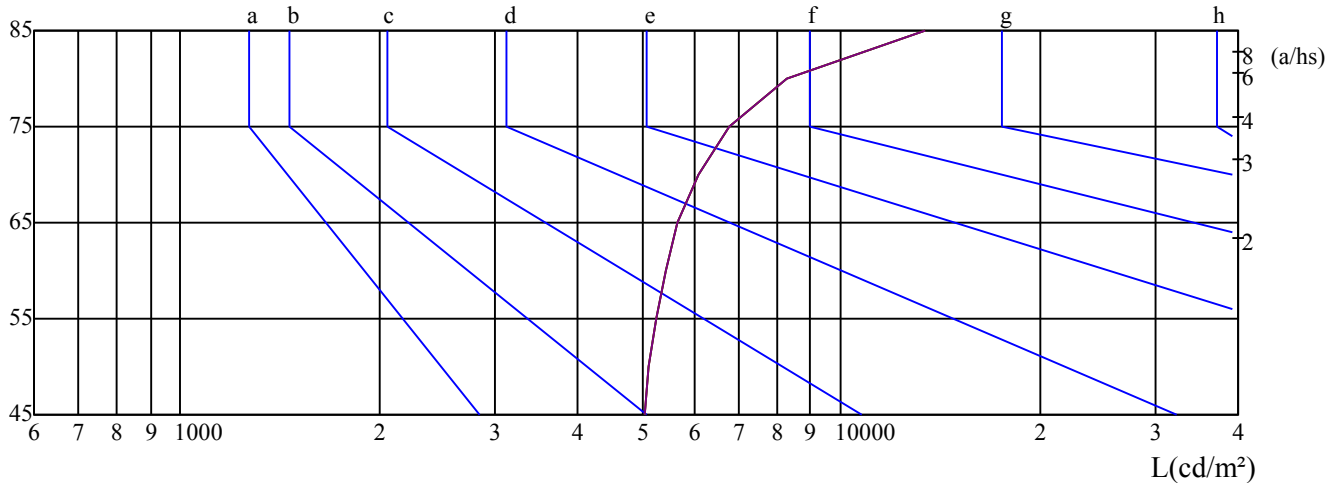
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5657	5657	5657	6762	6762	6762	13383	13383	13383

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($^{\circ}\text{C}$): 25.2

Date: 14/01/2025
Humidity(%): 57.0%

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	17.70	19.00	18.34	19.68	20.46	16.02	17.33	16.67	18.01	18.79
	3H	20.34	21.54	21.01	22.23	23.04	17.79	18.99	18.46	19.68	20.49
	4H	21.68	22.82	22.36	23.52	24.34	18.48	19.61	19.16	20.31	21.13
	6H	23.18	24.24	23.87	24.95	25.79	19.04	20.10	19.72	20.80	21.65
	8H	23.98	25.01	24.67	25.72	26.57	19.20	20.23	19.89	20.94	21.79
	12H	24.87	25.86	25.57	26.58	27.44	19.31	20.30	20.01	21.02	21.87
4H	2H	18.47	19.60	19.14	20.30	21.12	17.27	18.40	17.94	19.10	19.92
	3H	21.29	22.28	21.99	22.99	23.85	19.28	20.27	19.98	20.98	21.84
	4H	22.85	23.74	23.56	24.48	25.35	20.21	21.10	20.92	21.84	22.72
	6H	24.50	25.30	25.23	26.06	26.93	20.92	21.73	21.66	22.48	23.36
	8H	25.43	26.19	26.17	26.94	27.83	21.21	21.96	21.95	22.72	23.61
	12H	26.48	27.19	27.23	27.94	28.86	21.42	22.12	22.17	22.87	23.80
8H	4H	23.27	24.02	24.01	24.78	25.67	21.15	21.90	21.89	22.66	23.55
	6H	25.16	25.81	25.92	26.58	27.50	22.21	22.85	22.97	23.62	24.54
	8H	26.33	26.90	27.10	27.69	28.61	22.74	23.31	23.52	24.10	25.02
	12H	27.59	28.08	28.37	28.89	29.81	23.13	23.62	23.91	24.42	25.34
12H	4H	23.33	24.04	24.08	24.79	25.71	21.41	22.12	22.16	22.87	23.79
	6H	25.37	25.93	26.14	26.73	27.65	22.72	23.28	23.49	24.08	25.00
	8H	26.57	27.06	27.35	27.87	28.79	23.36	23.85	24.14	24.65	25.57
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.9					0.2/-0.9				
S = 1.5H		0.4/-0.9					0.4/-0.9				
S = 2.0H		0.2/-0.7					0.2/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		8.5					8.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25