



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

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

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): 279.0

PF: 0.0000

Length(mm): 500

Width(mm): 20

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 228.47, Efficiency(%): 81.89% , Luminous Efficacy(lm/W): 43.17

Central intensity(cd): 46.003, Maximum intensity(cd): 46.164

Angle of maximum intensity: C=0.0 γ =9.0

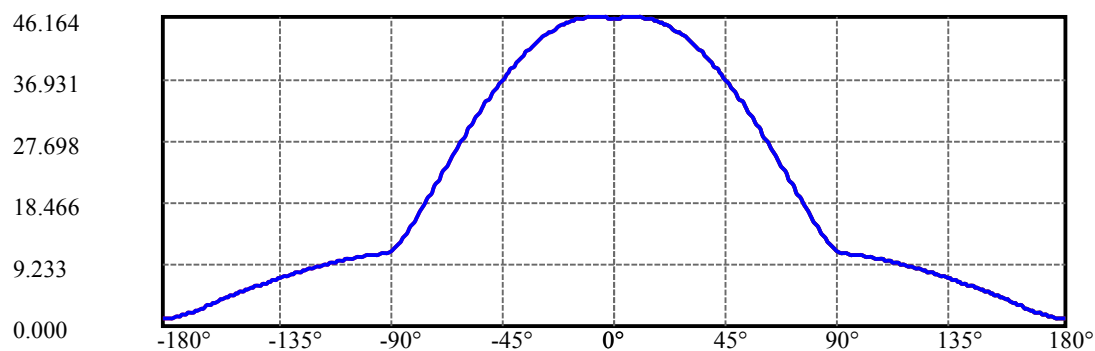
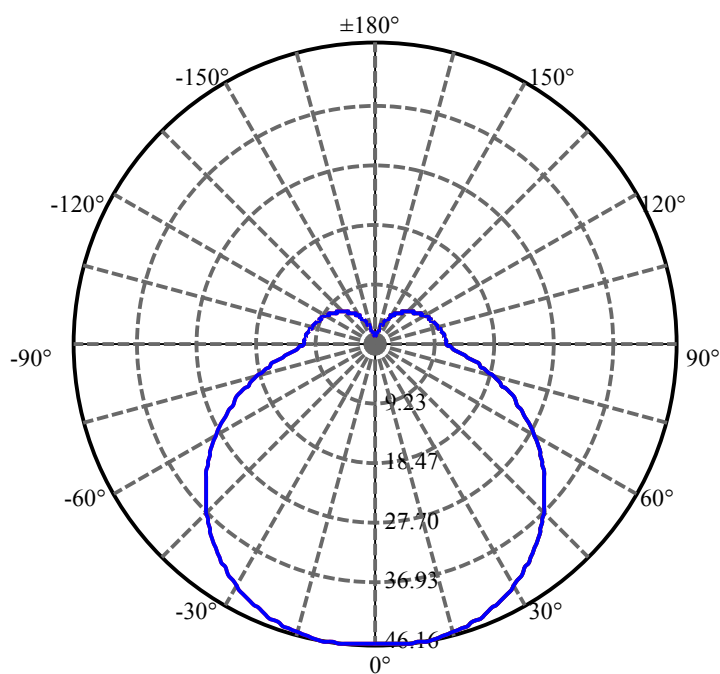
Beam angle of C0 plane : 136.37

Aveage BeamAngle(IEC 61341):136.37

Equipment: equipamento lumini
Temperature(°C): 24.4

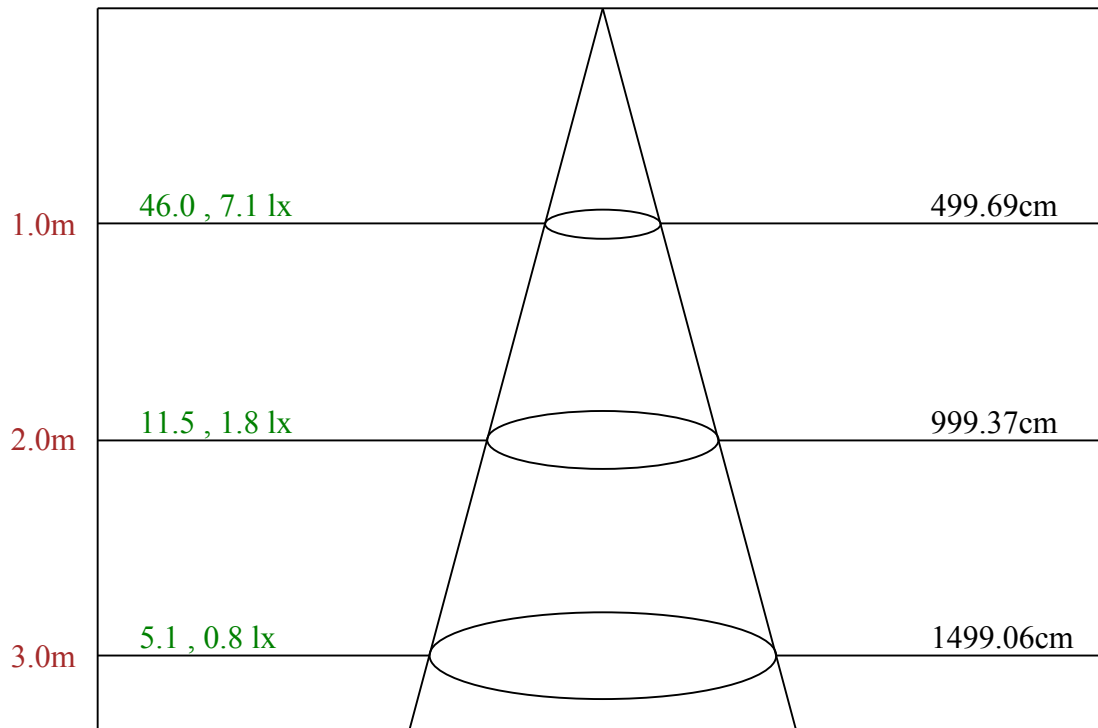
Date: 13/01/2025
Humidity(%): 61.0%

Operator: 01
Distance(m): 6.90



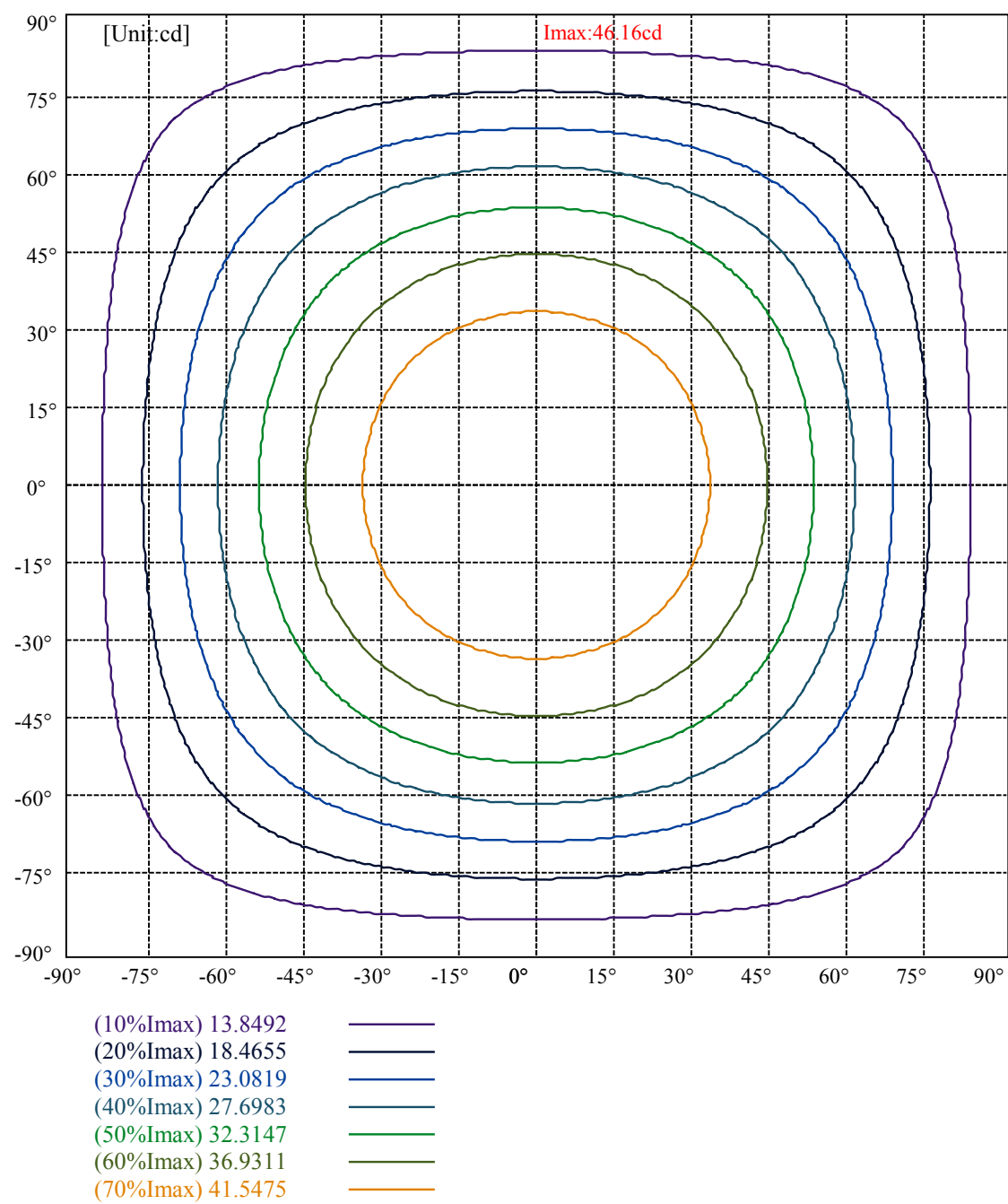
C0(Max):
C0/C180:
C90/C270:





Max , Ave

Beam angle of C0 plane 136.37



lumini

Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	5163	5279	5439	5645	5917	6391	7188	8918	14599
C45	5163	5279	5439	5645	5917	6391	7188	8918	14599
C90	5163	5279	5439	5645	5917	6391	7188	8918	14599

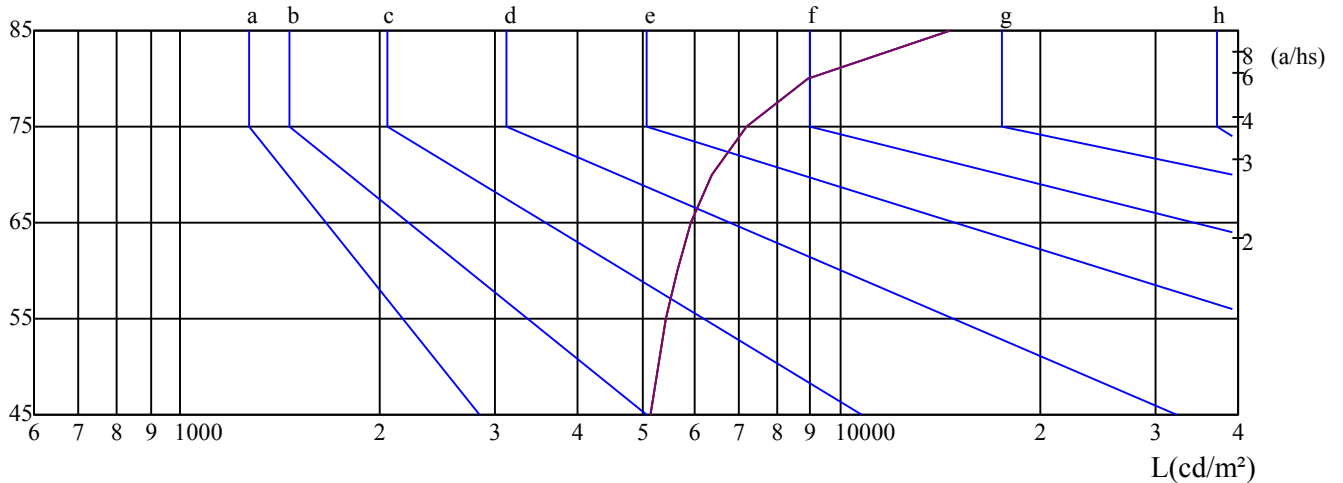
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5917	5917	5917	7188	7188	7188	14599	14599	14599

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

$\gamma(^{\circ})$



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 24.4

Date: 13/01/2025
Humidity(%): 61.0%

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	18.99	18.35	19.68	20.48	15.95	17.24	16.60	17.93	18.73
	3H	20.39	21.58	21.06	22.28	23.10	17.73	18.92	18.41	19.62	20.45
	4H	21.76	22.89	22.45	23.60	24.44	18.43	19.55	19.12	20.27	21.10
	6H	23.30	24.36	24.00	25.07	25.94	18.99	20.04	19.69	20.76	21.62
	8H	24.12	25.14	24.82	25.87	26.73	19.16	20.19	19.87	20.91	21.78
	12H	25.04	26.03	25.75	26.76	27.63	19.29	20.27	20.00	21.00	21.88
4H	2H	18.47	19.60	19.16	20.31	21.15	17.22	18.35	17.91	19.06	19.90
	3H	21.33	22.31	22.04	23.05	23.92	19.25	20.23	19.96	20.96	21.83
	4H	22.93	23.82	23.66	24.57	25.46	20.20	21.09	20.92	21.83	22.73
	6H	24.62	25.42	25.37	26.19	27.08	20.92	21.72	21.66	22.49	23.38
	8H	25.58	26.33	26.33	27.10	28.01	21.21	21.97	21.97	22.73	23.64
	12H	26.66	27.36	27.42	28.12	29.06	21.45	22.15	22.20	22.91	23.85
8H	4H	23.36	24.11	24.11	24.88	25.79	21.17	21.92	21.92	22.69	23.60
	6H	25.30	25.94	26.06	26.72	27.65	22.24	22.89	23.01	23.66	24.60
	8H	26.49	27.05	27.27	27.86	28.79	22.79	23.36	23.58	24.17	25.10
	12H	27.78	28.27	28.57	29.08	30.02	23.21	23.70	24.00	24.51	25.45
12H	4H	23.43	24.13	24.18	24.89	25.83	21.45	22.15	22.21	22.91	23.85
	6H	25.50	26.07	26.28	26.87	27.80	22.77	23.34	23.56	24.15	25.08
	8H	26.73	27.22	27.52	28.04	28.97	23.43	23.92	24.22	24.74	25.68
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.0					0.2/-1.0				
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		8.7					8.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25