



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 24V e lp 12W

LampCAT: modulo led line 24W/m 24Vdc 30K irc 90

Ballast type: led line driver 24V

Report No:

Voltage(V): 126.0000

Test No:

Current(A): 0.1380

Number of Lamps: 1

Power (W): 17.3880

Lamp flux(lm): 1078.0

PF: 0.0000

Length(mm): 500

Width(mm): 21

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 648.97, Efficiency(%): 60.20% , Luminous Efficacy(lm/W): 37.32

Central intensity(cd): 233.539, Maximum intensity(cd): 233.545

Angle of maximum intensity: C=0.0 γ =1.0

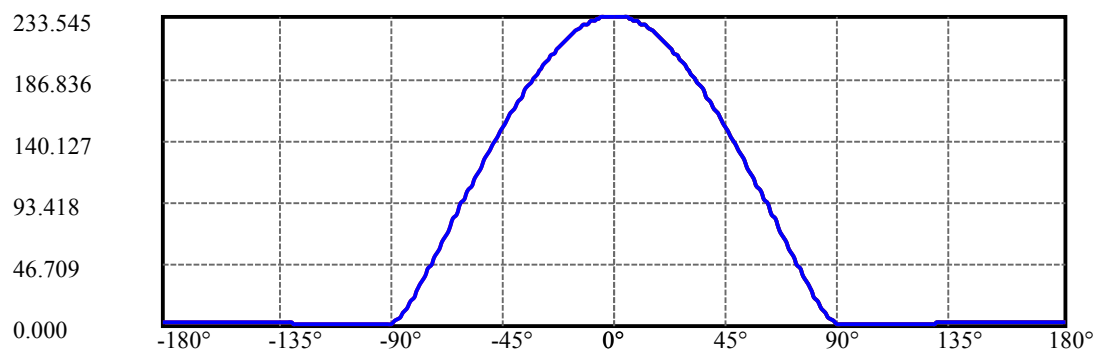
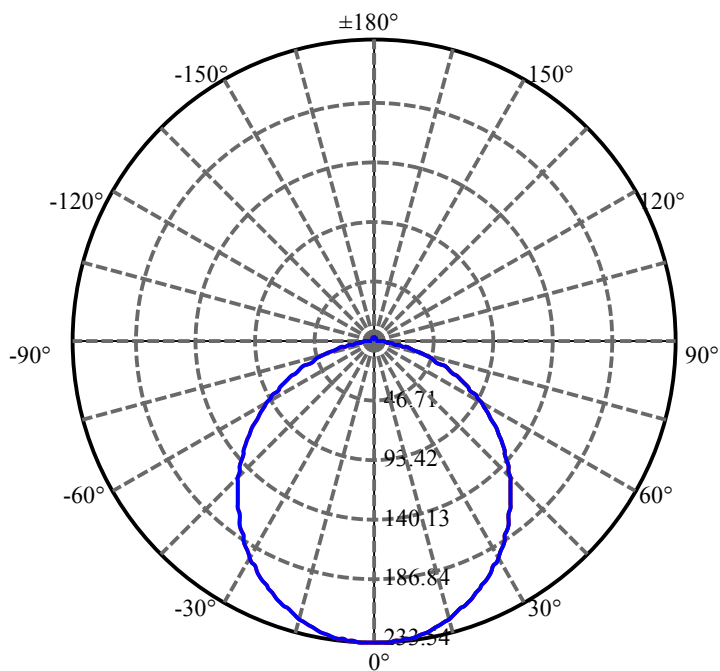
Beam angle of C0 plane : 108.29

Aveage BeamAngle(IEC 61341):108.29

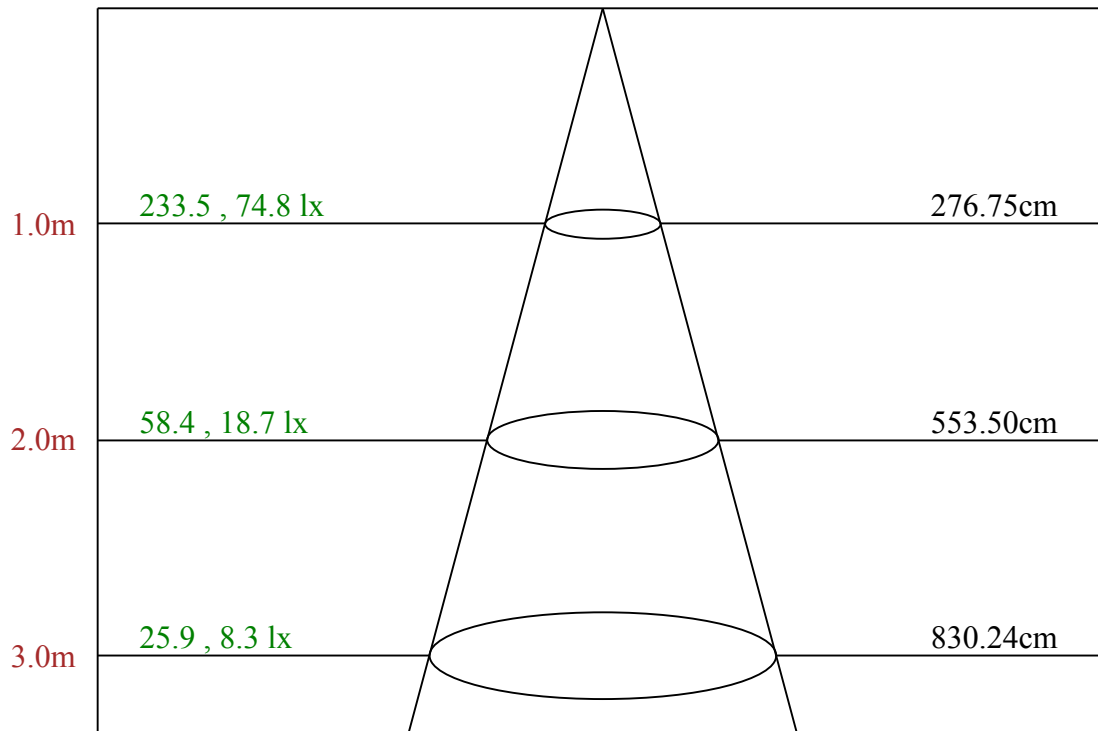
Equipment: equipamento lumini
Temperature(°C): 24.5

Date: 17/01/2025
Humidity(%): 71.0%

Operator: 01
Distance(m): 6.90

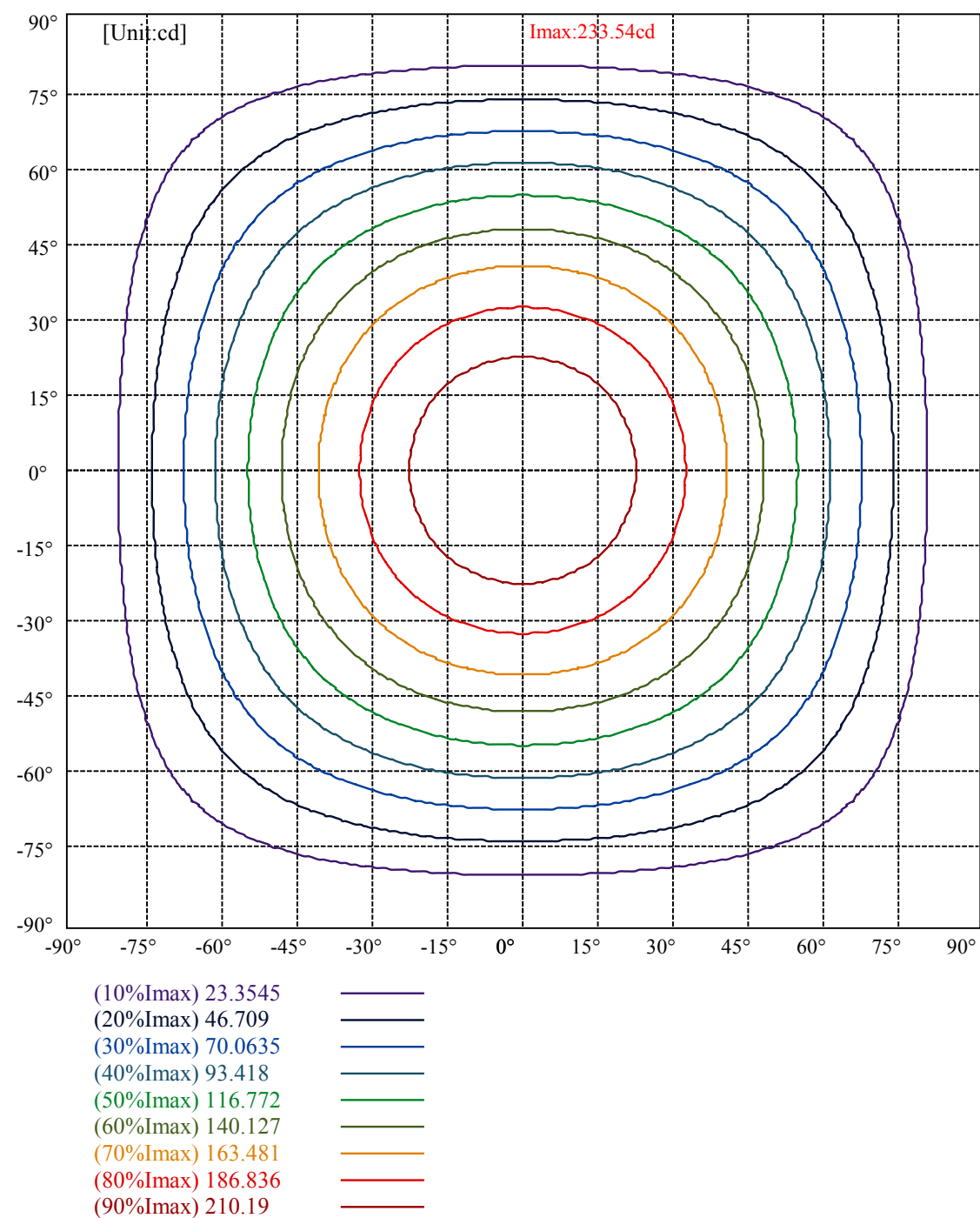


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 108.29



Luminance Table

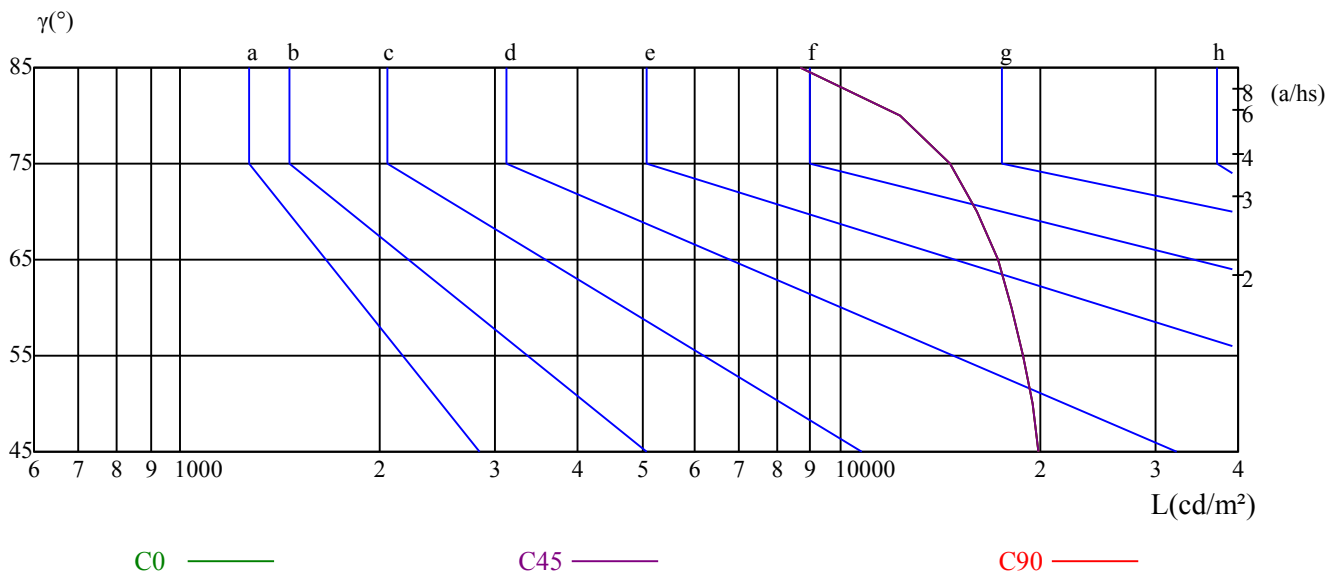
γ	45	50	55	60	65	70	75	80	85
C0	19976	19471	18892	18193	17353	16126	14655	12276	8662
C45	19976	19471	18892	18193	17353	16126	14655	12276	8662
C90	19976	19471	18892	18193	17353	16126	14655	12276	8662

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
17353	17353	17353	14655	14655	14655	8662	8662	8662

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



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	22.44	24.02	22.83	24.37	24.74	22.89	24.47	23.29	24.83	25.19
	3H	24.00	25.43	24.41	25.81	26.20	24.61	26.04	25.02	26.42	26.81
	4H	24.55	25.89	24.97	26.28	26.70	25.24	26.58	25.67	26.98	27.39
	6H	24.93	26.18	25.36	26.58	27.03	25.72	26.97	26.16	27.38	27.82
	8H	24.99	26.20	25.43	26.61	27.06	25.85	27.05	26.29	27.47	27.92
	12H	25.00	26.15	25.44	26.58	27.03	25.91	27.07	26.36	27.49	27.95
4H	2H	23.22	24.56	23.64	24.95	25.36	23.57	24.91	23.99	25.30	25.72
	3H	24.92	26.06	25.37	26.49	26.95	25.43	26.57	25.87	26.99	27.45
	4H	25.64	26.65	26.11	27.11	27.59	26.23	27.24	26.69	27.69	28.18
	6H	26.08	26.99	26.57	27.46	27.95	26.78	27.68	27.27	28.16	28.65
	8H	26.21	27.05	26.71	27.54	28.04	26.98	27.83	27.48	28.31	28.81
	12H	26.26	27.05	26.77	27.52	28.07	27.11	27.89	27.62	28.37	28.92
8H	4H	25.95	26.79	26.45	27.27	27.78	26.47	27.31	26.97	27.80	28.30
	6H	26.51	27.22	27.03	27.72	28.26	27.15	27.85	27.67	28.35	28.90
	8H	26.75	27.36	27.29	27.91	28.44	27.46	28.08	28.01	28.62	29.16
	12H	26.84	27.36	27.39	27.91	28.46	27.65	28.17	28.20	28.71	29.27
12H	4H	25.98	26.77	26.49	27.24	27.79	26.49	27.27	27.00	27.75	28.30
	6H	26.63	27.25	27.17	27.79	28.32	27.24	27.86	27.78	28.40	28.93
	8H	26.85	27.37	27.41	27.92	28.47	27.55	28.07	28.10	28.61	29.16
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		8.1					8.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25