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LumCAT:

Luminaire: box 2 a w1

LampCAT: modulo led tr 12W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.8500

Test No:

Current(A): 0.1050

Number of Lamps: 1

Power (W): 12.5260

Lamp flux(lm): 1200.0

PF: 0.9320

Length(mm): 248

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 734.67, Efficiency(%): 61.22% , Luminous Efficacy(lm/W): 58.65

Central intensity(cd): 247.132, Maximum intensity(cd): 247.132

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

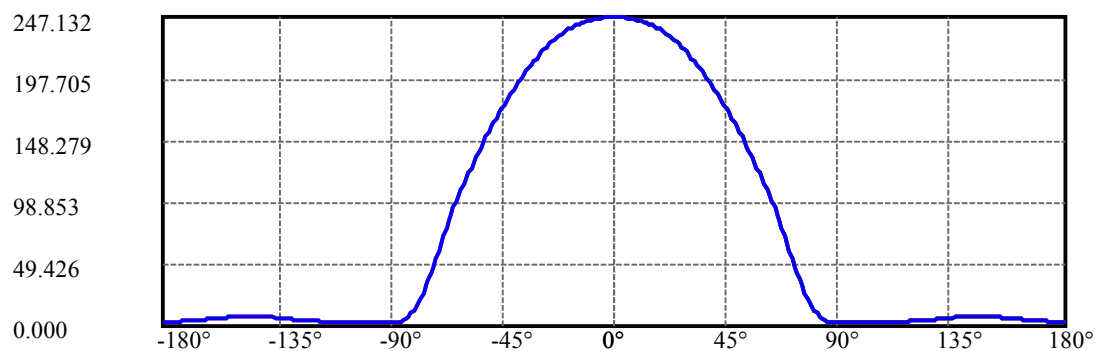
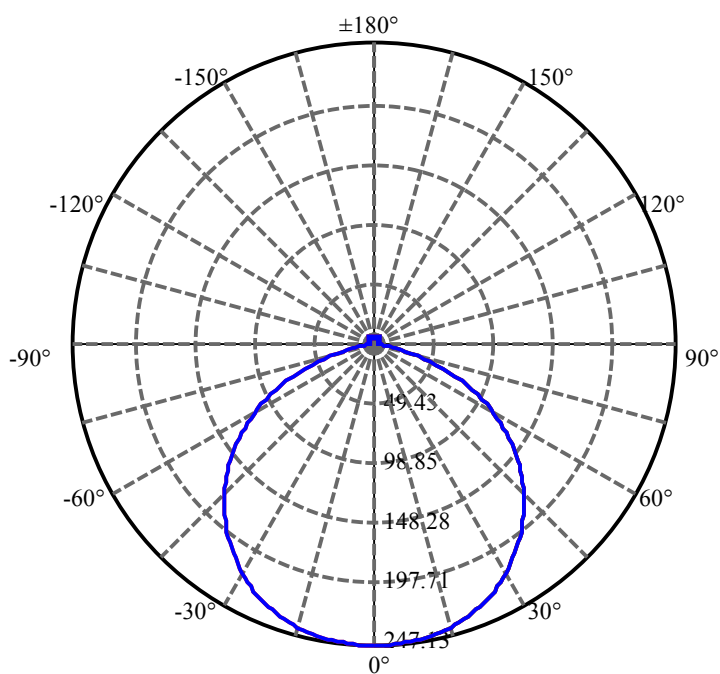
Beam angle of C0 plane : 115.62

Average BeamAngle(IEC 61341): 115.62

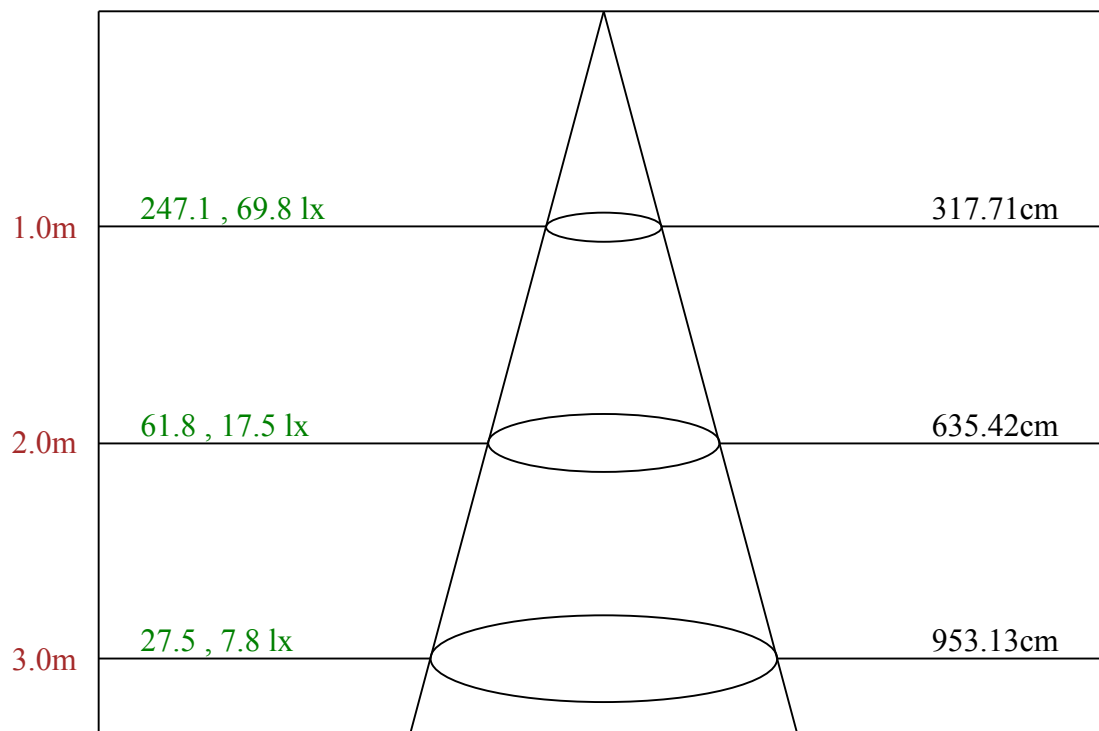
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 22/12/2025
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

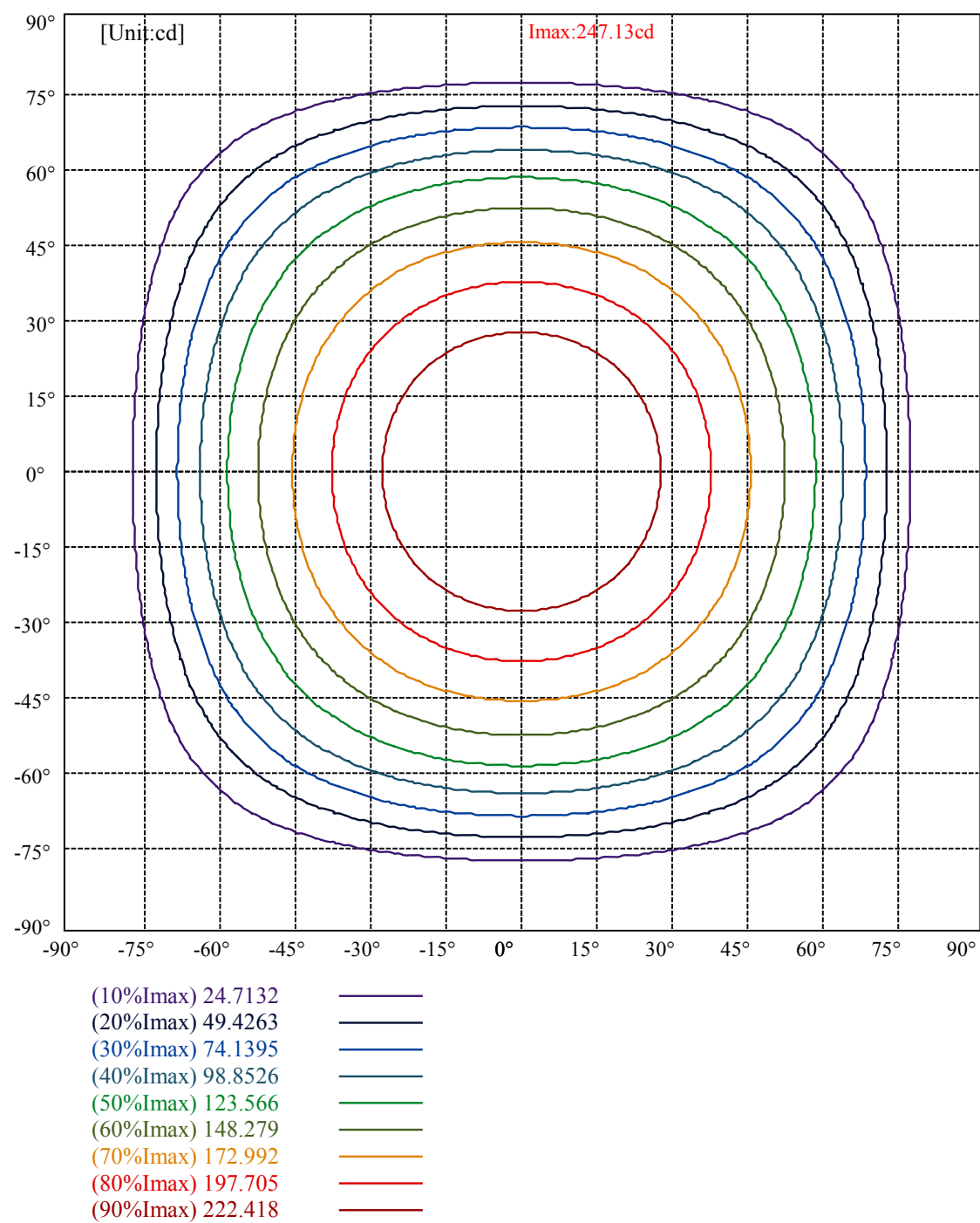


C0(Max): —
 C0/C180: —
 C90/C270: —



Max , Ave

Beam angle of C0 plane 115.62



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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	8027	7915	7721	7448	6923	5756	3994	2366	1381
C45	8027	7915	7721	7448	6923	5756	3994	2366	1381
C90	8027	7915	7721	7448	6923	5756	3994	2366	1381

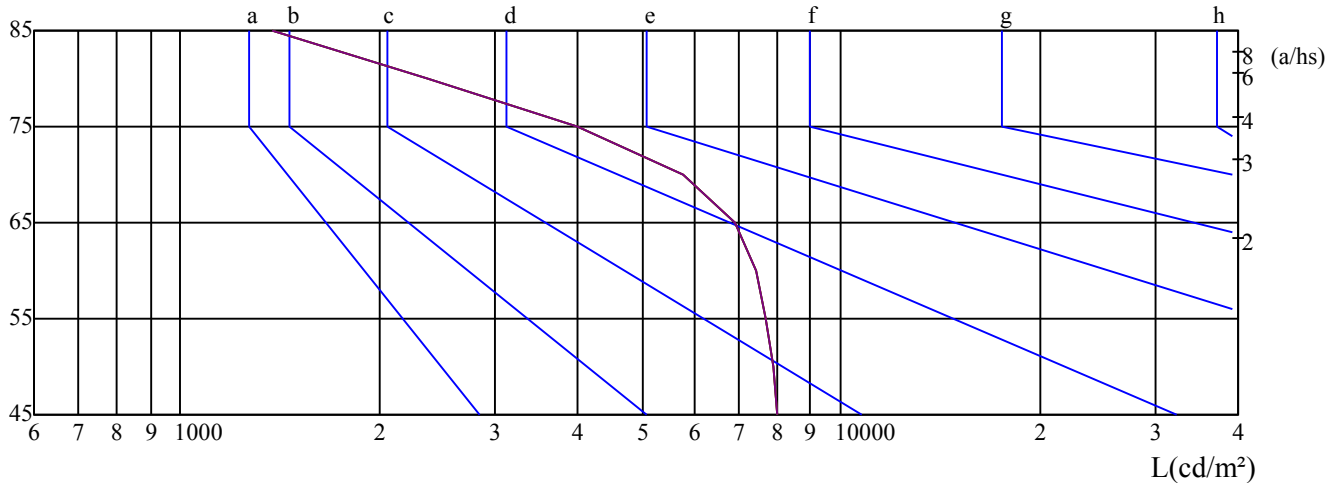
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6923	6923	6923	3994	3994	3994	1381	1381	1381

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($^{\circ}\text{C}$): 25.5

Date: 22/12/2025
Humidity(%): 55.0%

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	20.29	21.81	20.71	22.21	22.62	19.74	21.27	20.16	21.66	22.08
	3H	22.24	23.62	22.69	24.04	24.48	21.09	22.47	21.54	22.89	23.33
	4H	22.96	24.26	23.42	24.69	25.14	21.29	22.58	21.75	23.01	23.47
	6H	23.45	24.65	23.92	25.10	25.58	21.30	22.50	21.77	22.95	23.43
	8H	23.52	24.67	23.99	25.13	25.62	21.26	22.42	21.73	22.87	23.36
	12H	23.48	24.59	23.96	25.05	25.55	21.23	22.33	21.71	22.79	23.30
4H	2H	21.01	22.30	21.46	22.73	23.19	20.58	21.87	21.04	22.30	22.76
	3H	23.08	24.17	23.56	24.63	25.14	22.07	23.16	22.55	23.63	24.13
	4H	23.94	24.90	24.43	25.39	25.92	22.40	23.37	22.90	23.85	24.38
	6H	24.45	25.31	24.97	25.82	26.35	22.41	23.26	22.93	23.78	24.31
	8H	24.55	25.35	25.09	25.87	26.42	22.40	23.20	22.93	23.71	24.26
	12H	24.55	25.29	25.09	25.80	26.39	22.40	23.14	22.94	23.65	24.24
8H	4H	24.08	24.88	24.61	25.39	25.94	22.68	23.48	23.21	23.99	24.55
	6H	24.63	25.29	25.18	25.83	26.41	22.72	23.38	23.27	23.91	24.50
	8H	24.80	25.38	25.37	25.95	26.53	22.77	23.34	23.34	23.92	24.49
	12H	24.80	25.28	25.38	25.86	26.46	22.77	23.26	23.36	23.83	24.43
12H	4H	24.06	24.80	24.60	25.31	25.90	22.69	23.43	23.23	23.94	24.53
	6H	24.65	25.23	25.23	25.80	26.38	22.77	23.35	23.34	23.92	24.50
	8H	24.78	25.27	25.37	25.85	26.44	22.78	23.27	23.36	23.84	24.44
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.4					0.5/-0.4				
S = 1.5H		0.8/-0.7					0.8/-0.7				
S = 2.0H		1.2/-1.1					1.2/-1.1				
Standard tables:		BK3					BK3				
Uncorrected UGR		4.6					4.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25