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LumCAT:

Luminaire: box 2 r w1

LampCAT: modulo led tr 12W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.8400

Test No:

Current(A): 0.1050

Number of Lamps: 1

Power (W): 12.5220

Lamp flux(lm): 1200.0

PF: 0.9320

Length(mm): 248

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 733.52, Efficiency(%): 61.13% , Luminous Efficacy(lm/W): 58.58

Central intensity(cd): 247.322, Maximum intensity(cd): 247.322

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

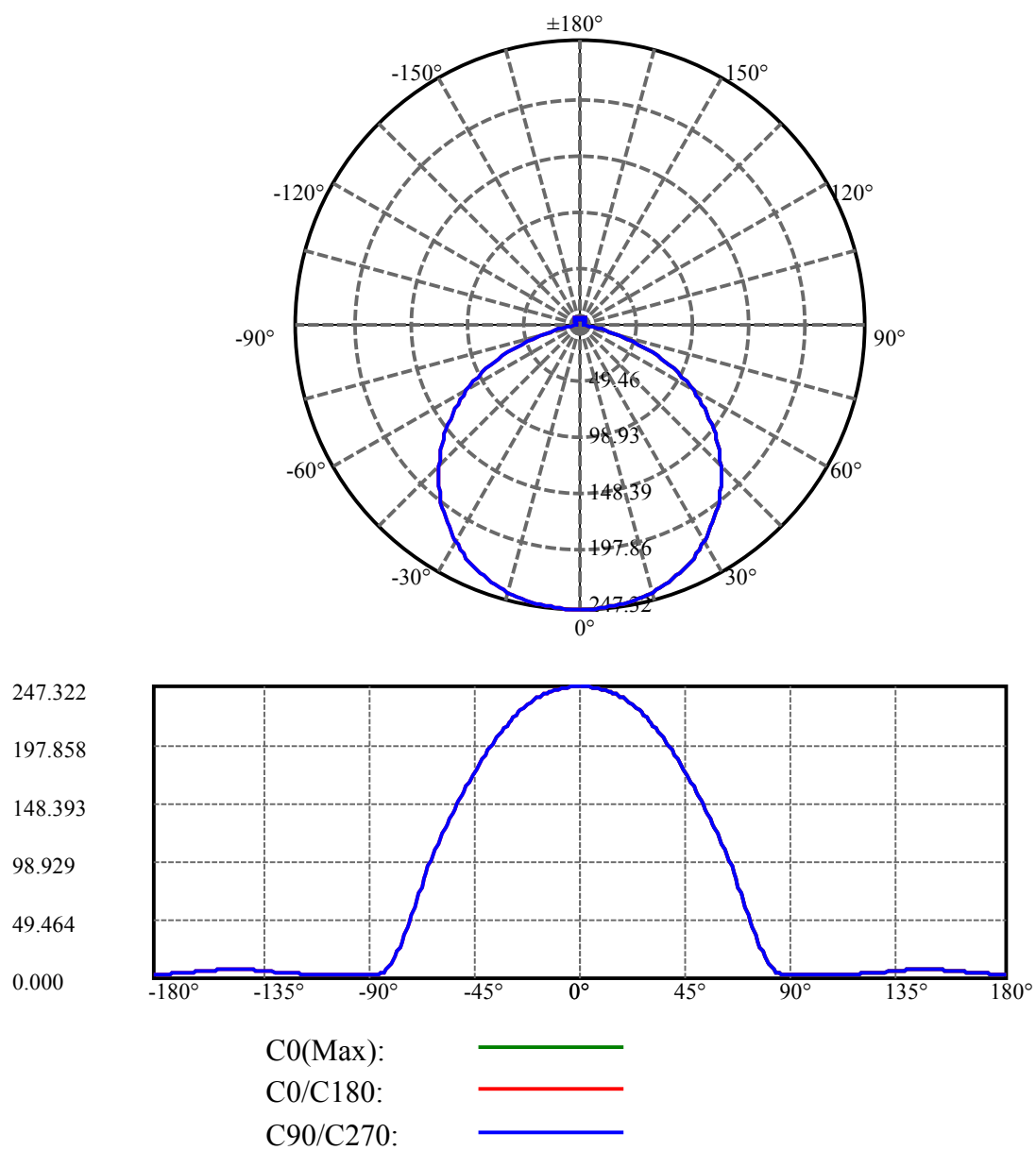
Beam angle of C0 plane : 115.39

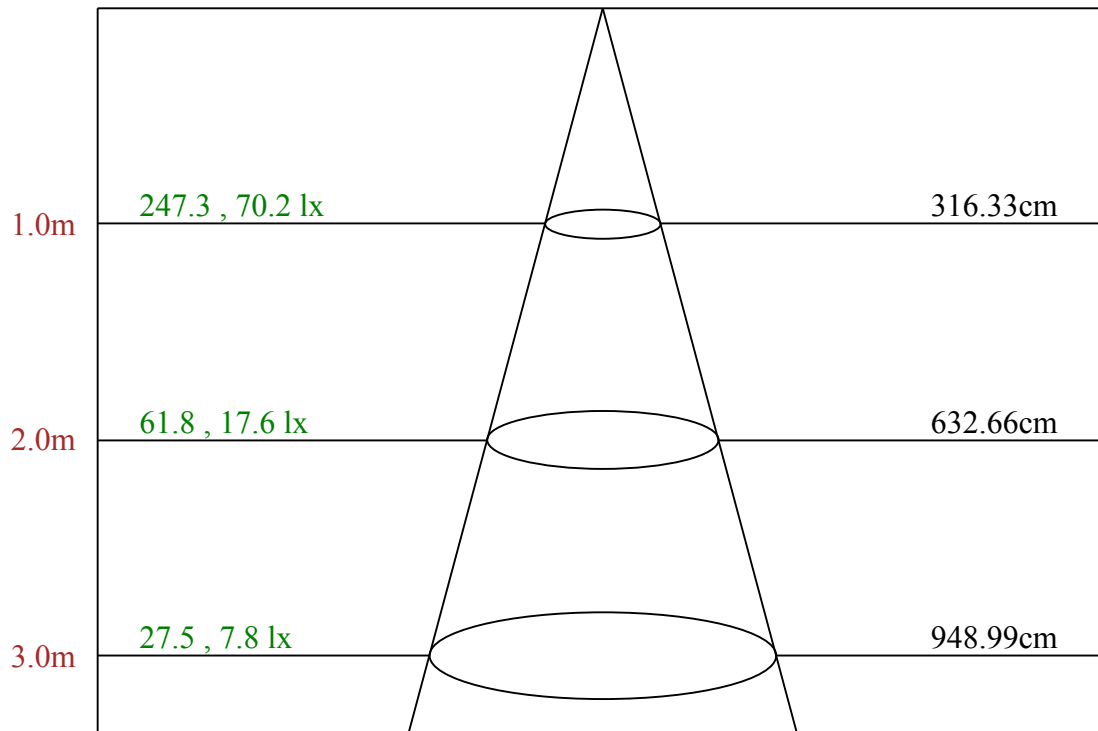
Average BeamAngle(IEC 61341): 115.39

Equipment: equipamento lumini
Temperature(°C): 25.5

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

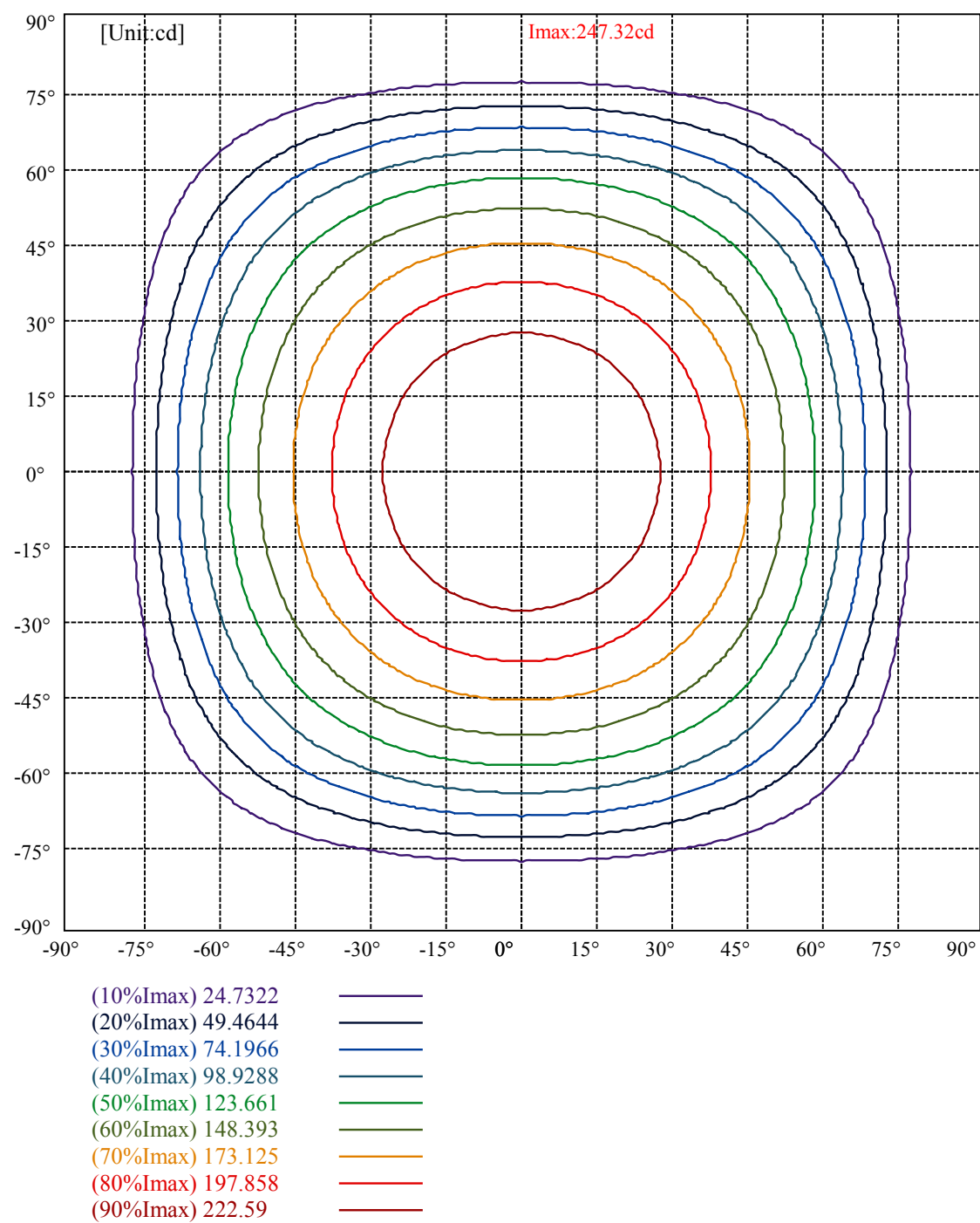
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 115.39



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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	7947	7829	7658	7407	6896	5706	3927	2246	1330
C45	7947	7829	7658	7407	6896	5706	3927	2246	1330
C90	7947	7829	7658	7407	6896	5706	3927	2246	1330

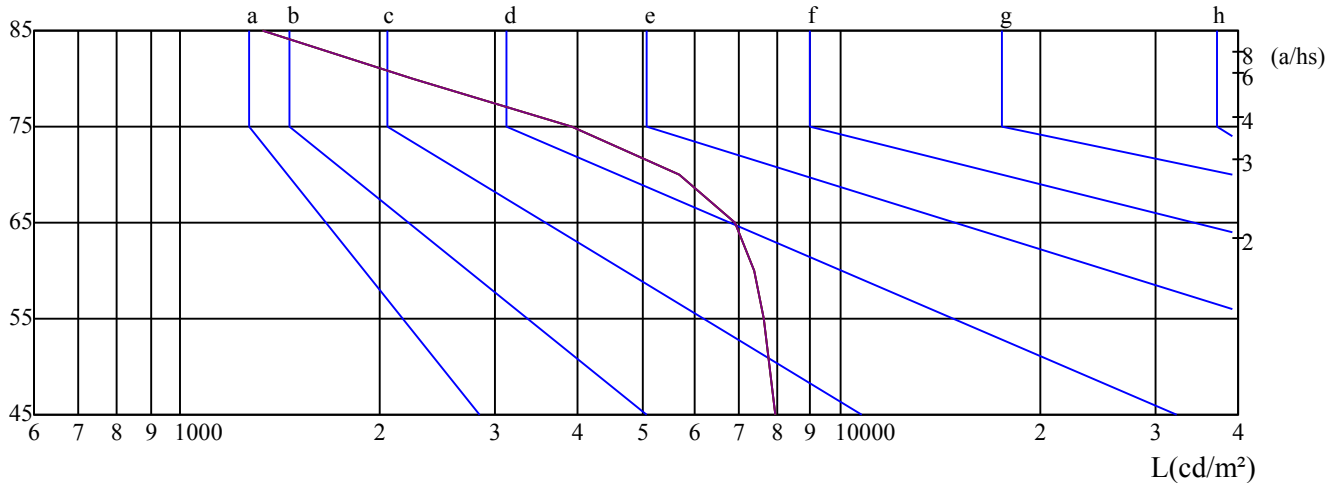
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6896	6896	6896	3927	3927	3927	1330	1330	1330

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($^{\circ}$ 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	20.27	21.79	20.69	22.19	22.60	19.74	21.27	20.16	21.67	22.08
	3H	22.21	23.59	22.65	24.01	24.44	21.15	22.53	21.59	22.95	23.38
	4H	22.89	24.18	23.34	24.61	25.07	21.37	22.66	21.82	23.09	23.55
	6H	23.35	24.55	23.82	24.99	25.48	21.38	22.58	21.85	23.03	23.51
	8H	23.39	24.55	23.86	25.00	25.49	21.34	22.50	21.81	22.95	23.44
	12H	23.35	24.46	23.82	24.91	25.41	21.31	22.42	21.78	22.87	23.37
4H	2H	20.99	22.28	21.44	22.71	23.17	20.59	21.88	21.04	22.31	22.76
	3H	23.04	24.14	23.52	24.60	25.10	22.12	23.21	22.59	23.67	24.17
	4H	23.86	24.82	24.35	25.31	25.84	22.46	23.43	22.96	23.92	24.44
	6H	24.34	25.20	24.86	25.71	26.24	22.47	23.33	22.99	23.84	24.37
	8H	24.41	25.21	24.95	25.73	26.28	22.46	23.26	22.99	23.78	24.32
	12H	24.40	25.14	24.94	25.65	26.24	22.46	23.20	23.00	23.71	24.30
8H	4H	24.00	24.80	24.53	25.31	25.86	22.73	23.53	23.26	24.04	24.59
	6H	24.51	25.18	25.06	25.71	26.30	22.76	23.42	23.31	23.96	24.54
	8H	24.65	25.23	25.22	25.80	26.37	22.81	23.38	23.38	23.95	24.53
	12H	24.64	25.12	25.22	25.70	26.29	22.81	23.30	23.39	23.87	24.46
12H	4H	23.98	24.72	24.51	25.23	25.82	22.73	23.47	23.27	23.98	24.57
	6H	24.54	25.11	25.11	25.69	26.26	22.81	23.39	23.38	23.96	24.53
	8H	24.63	25.12	25.21	25.69	26.28	22.81	23.30	23.39	23.87	24.47
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