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LumCAT:

Luminaire: box 1 a w1

LampCAT: modulo led tr 9W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.9000

Test No:

Current(A): 0.0710

Number of Lamps: 1

Power (W): 8.5330

Lamp flux(lm): 525.0

PF: 0.9390

Length(mm): 124

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 232.26, Efficiency(%): 44.24% , Luminous Efficacy(lm/W): 27.22

Central intensity(cd): 81.508, Maximum intensity(cd): 81.508

Angle of maximum intensity: C=0.0 γ =0.0

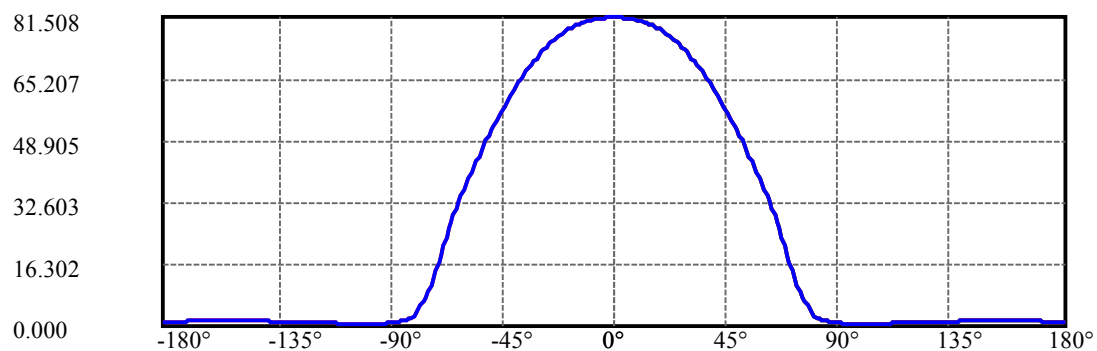
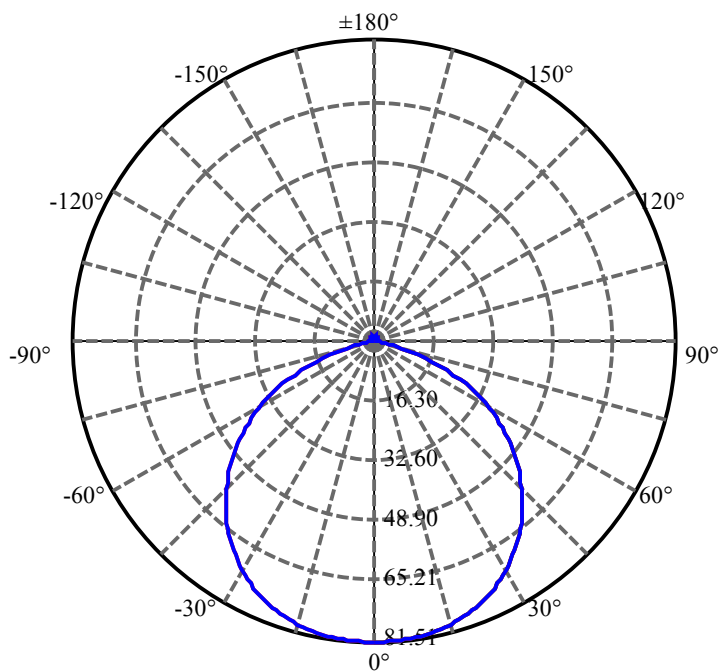
Beam angle of C0 plane : 113.66

Aveage BeamAngle(IEC 61341):113.66

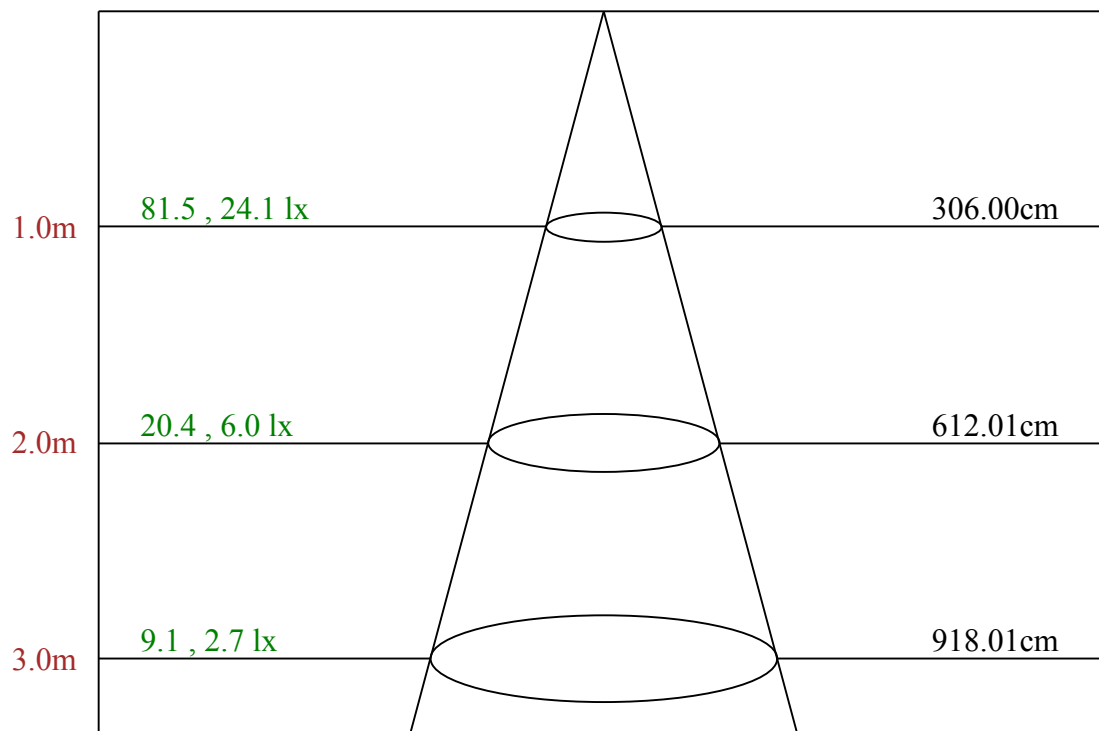
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 23/12/2025
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

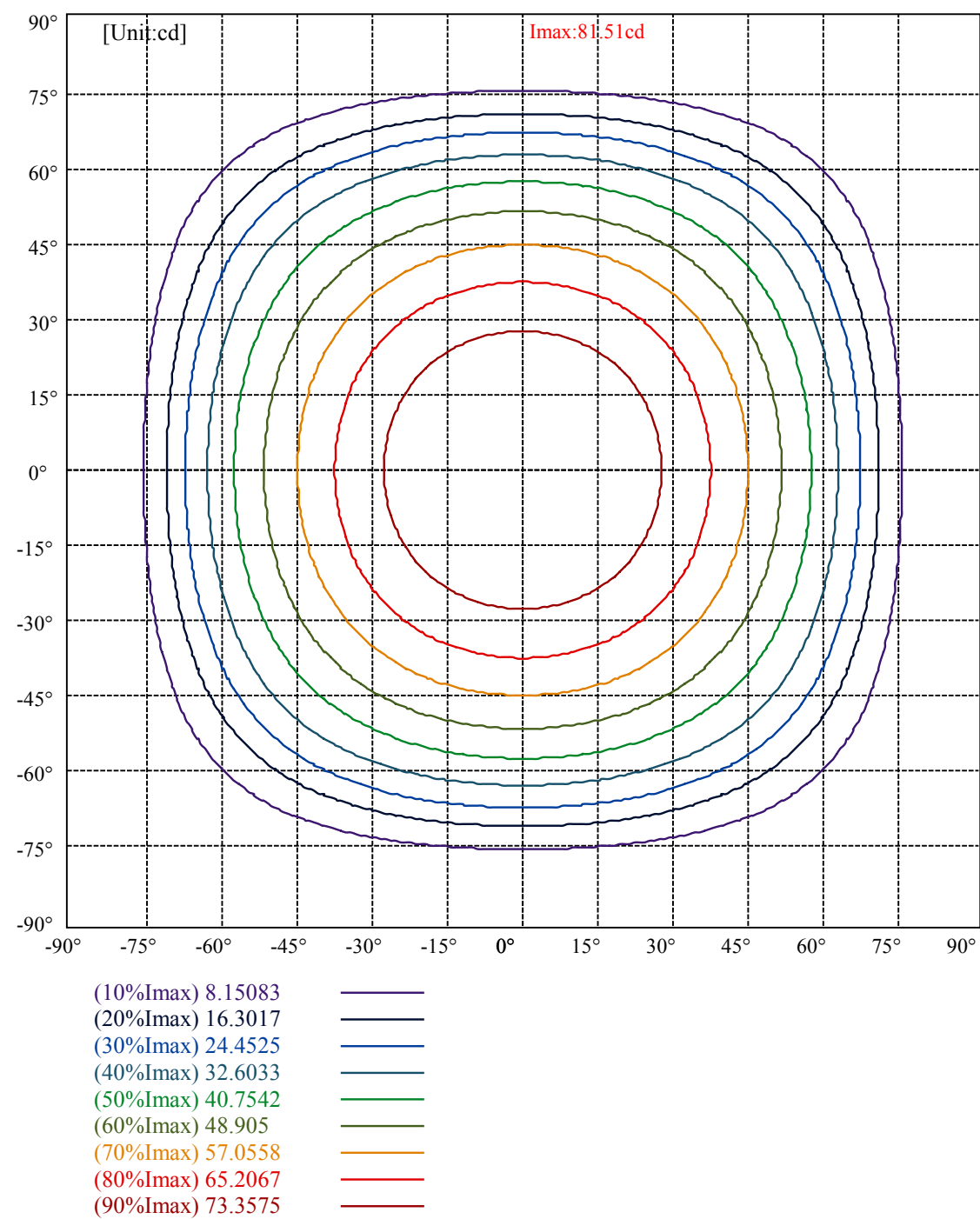


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 113.66



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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	5174	5068	4920	4686	4246	3166	1949	990	946
C45	5174	5068	4920	4686	4246	3166	1949	990	946
C90	5174	5068	4920	4686	4246	3166	1949	990	946

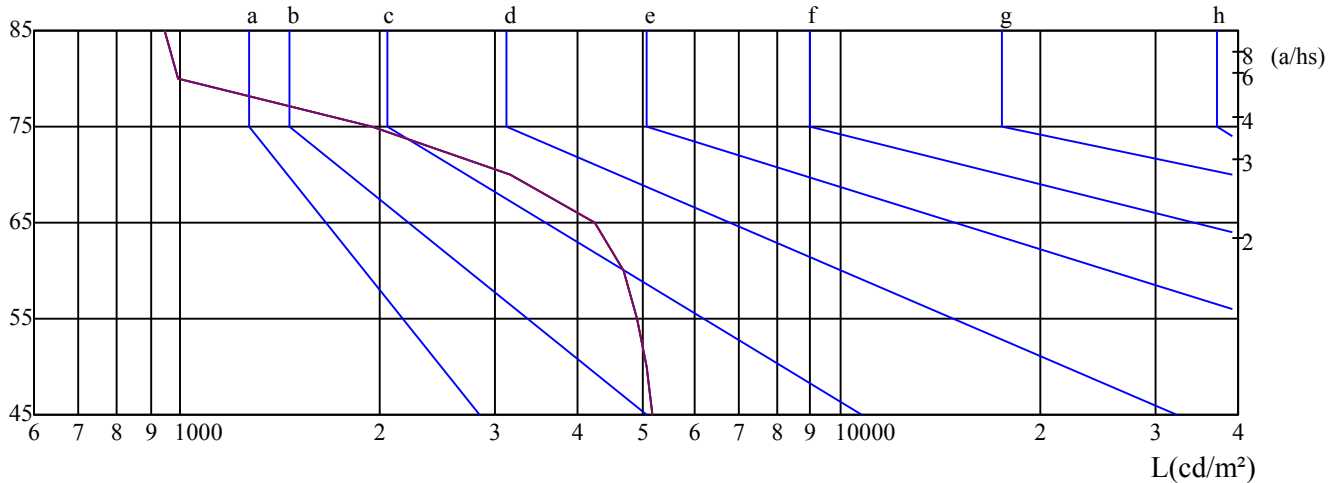
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4246	4246	4246	1949	1949	1949	946	946	946

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: 23/12/2025
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	18.77	20.31	19.17	20.68	21.06	18.63	20.16	19.03	20.53	20.92
	3H	20.41	21.79	20.83	22.19	22.59	20.14	21.52	20.56	21.92	22.32
	4H	20.70	21.99	21.13	22.40	22.83	20.34	21.64	20.78	22.05	22.47
	6H	20.73	21.93	21.18	22.35	22.81	20.34	21.54	20.79	21.96	22.42
	8H	20.70	21.85	21.15	22.28	22.75	20.29	21.45	20.75	21.88	22.34
	12H	20.68	21.78	21.14	22.22	22.70	20.25	21.36	20.71	21.80	22.28
4H	2H	19.53	20.83	19.97	21.24	21.66	19.42	20.72	19.86	21.13	21.55
	3H	21.30	22.39	21.76	22.83	23.30	21.06	22.15	21.52	22.59	23.07
	4H	21.71	22.67	22.19	23.14	23.64	21.39	22.35	21.87	22.82	23.32
	6H	21.73	22.58	22.24	23.08	23.58	21.38	22.23	21.88	22.72	23.23
	8H	21.73	22.53	22.25	23.02	23.55	21.36	22.15	21.87	22.65	23.17
	12H	21.75	22.49	22.27	22.98	23.54	21.35	22.09	21.87	22.58	23.14
8H	4H	21.89	22.68	22.40	23.18	23.70	21.60	22.40	22.12	22.89	23.42
	6H	21.92	22.58	22.46	23.10	23.66	21.60	22.26	22.13	22.77	23.33
	8H	21.99	22.56	22.54	23.11	23.66	21.64	22.21	22.19	22.77	23.32
	12H	22.02	22.50	22.58	23.06	23.63	21.64	22.12	22.20	22.68	23.25
12H	4H	21.87	22.60	22.39	23.09	23.66	21.58	22.32	22.10	22.81	23.37
	6H	21.95	22.52	22.50	23.08	23.63	21.62	22.20	22.18	22.75	23.30
	8H	21.97	22.45	22.54	23.01	23.58	21.62	22.11	22.19	22.66	23.23
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.4					0.5/-0.4				
S = 1.5H		0.9/-0.8					0.9/-0.8				
S = 2.0H		1.5/-1.4					1.5/-1.4				
Standard tables:		BK2					BK2				
Uncorrected UGR		2.1					2.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25