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LumCAT:

Luminaire: box 1 r w1

LampCAT: modulo led tr 9W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.9100

Test No:

Current(A): 0.0710

Number of Lamps: 1

Power (W): 8.5240

Lamp flux(lm): 525.0

PF: 0.9390

Length(mm): 124

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 227.57, Efficiency(%): 43.35% , Luminous Efficacy(lm/W): 26.70

Central intensity(cd): 81.663, Maximum intensity(cd): 81.675

Angle of maximum intensity: C=0.0 γ =1.0

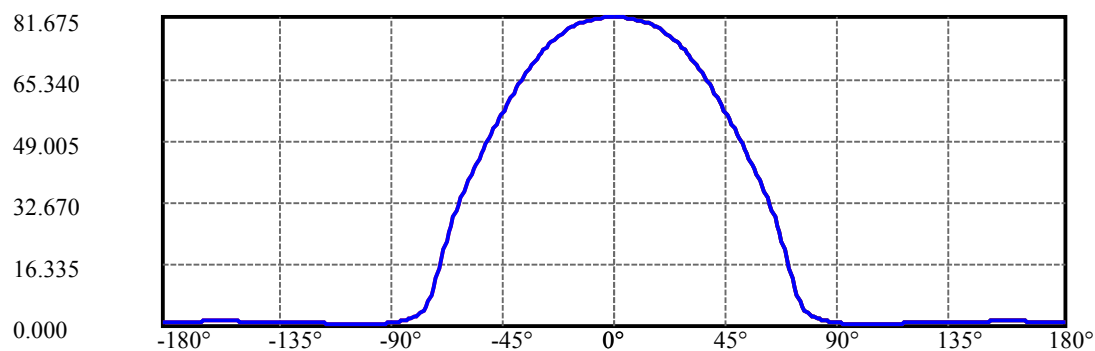
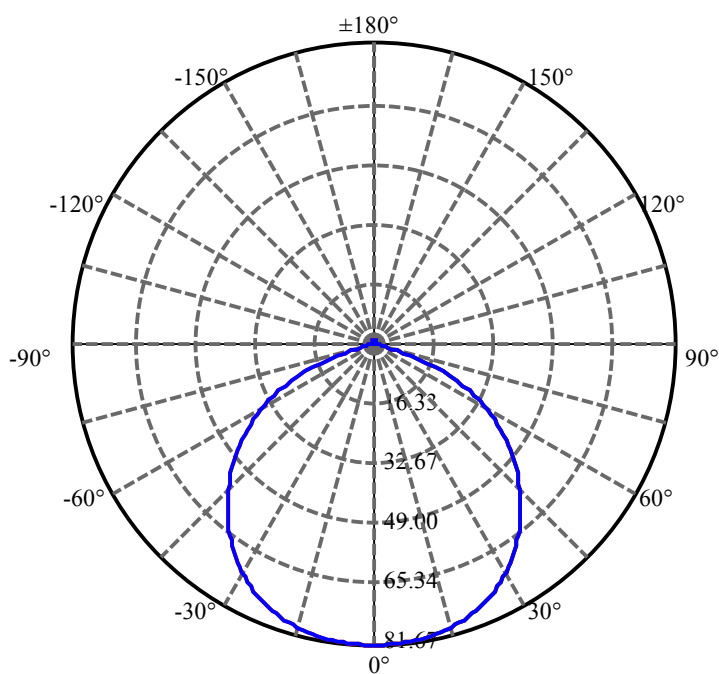
Beam angle of C0 plane : 112.80

Aveage BeamAngle(IEC 61341):112.80

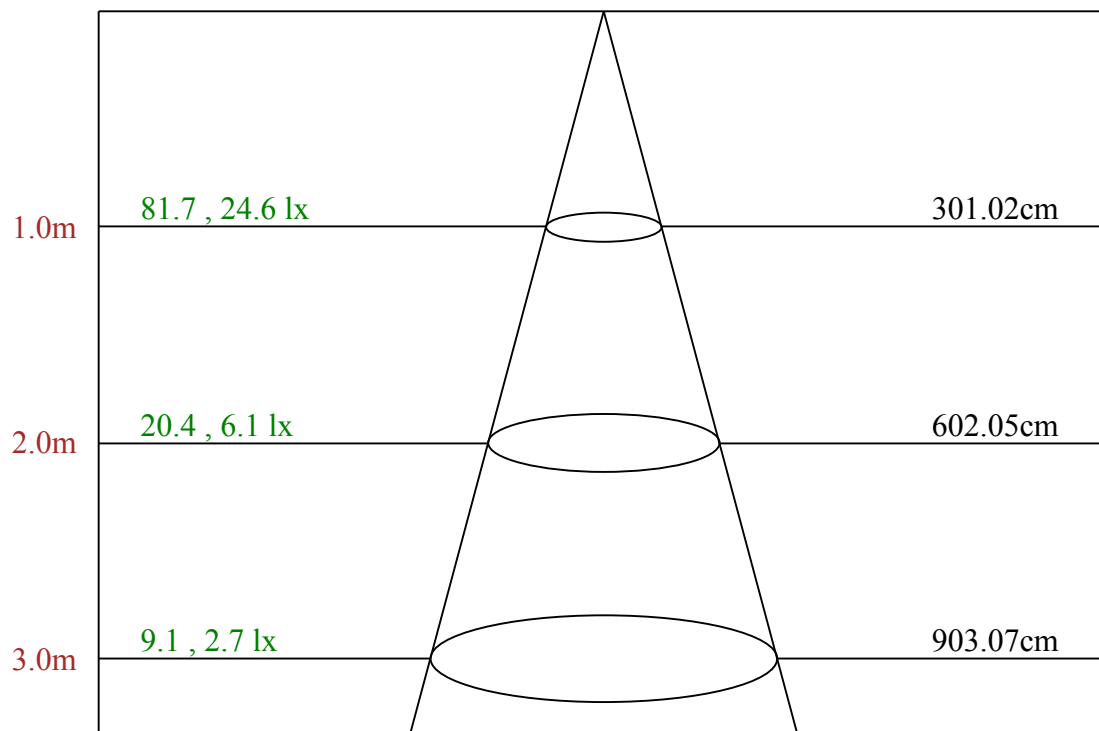
Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

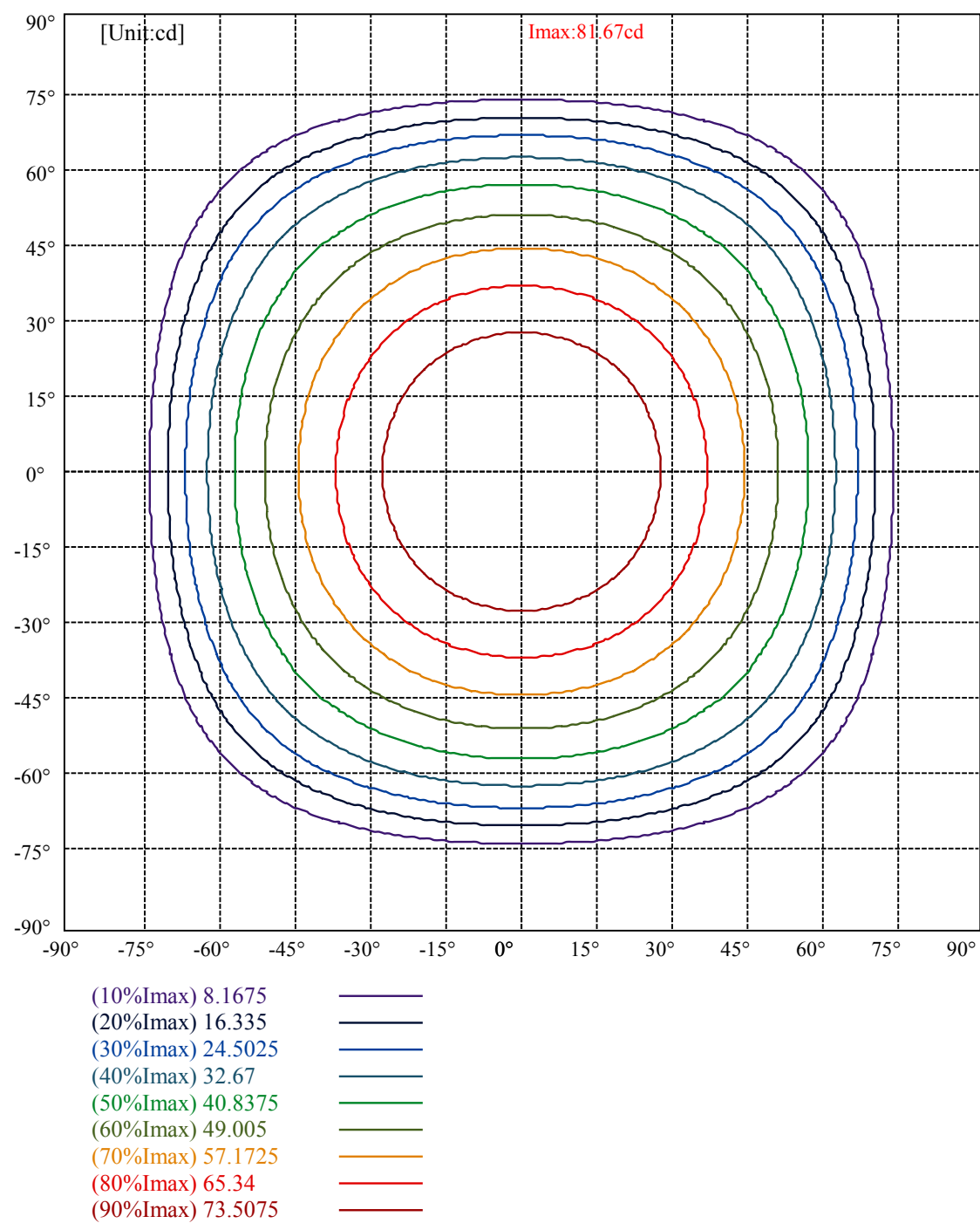


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 112.80



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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	5135	5018	4851	4631	4092	2873	1283	872	955
C45	5135	5018	4851	4631	4092	2873	1283	872	955
C90	5135	5018	4851	4631	4092	2873	1283	872	955

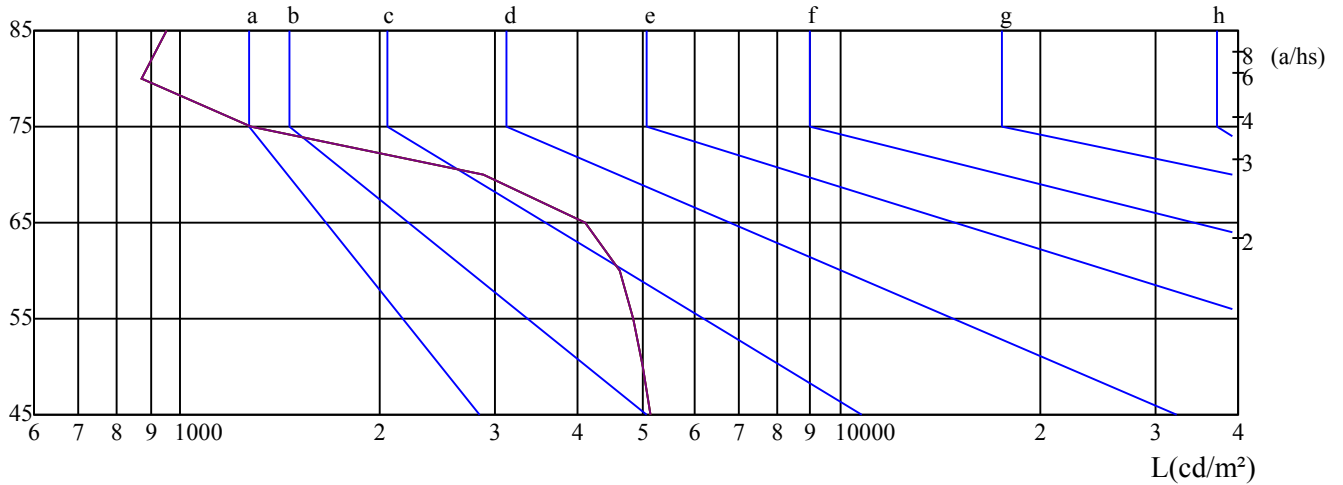
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4092	4092	4092	1283	1283	1283	955	955	955

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	18.68	20.21	19.08	20.58	20.95	18.50	20.03	18.90	20.40	20.78
	3H	20.15	21.53	20.57	21.92	22.32	19.91	21.29	20.33	21.68	22.08
	4H	20.31	21.60	20.74	22.00	22.42	20.04	21.32	20.47	21.72	22.15
	6H	20.32	21.51	20.76	21.93	22.38	20.02	21.21	20.46	21.62	22.08
	8H	20.29	21.44	20.74	21.86	22.32	19.97	21.12	20.42	21.54	22.00
	12H	20.27	21.37	20.73	21.80	22.27	19.93	21.03	20.38	21.46	21.93
4H	2H	19.39	20.67	19.82	21.07	21.50	19.25	20.54	19.68	20.94	21.36
	3H	20.91	21.99	21.37	22.43	22.89	20.71	21.79	21.17	22.23	22.70
	4H	21.13	22.08	21.60	22.54	23.04	20.89	21.85	21.37	22.31	22.80
	6H	21.11	21.96	21.61	22.44	22.94	20.84	21.69	21.34	22.17	22.67
	8H	21.12	21.90	21.63	22.40	22.91	20.83	21.61	21.34	22.10	22.62
	12H	21.14	21.87	21.66	22.35	22.91	20.82	21.55	21.34	22.03	22.59
8H	4H	21.15	21.93	21.66	22.42	22.94	20.92	21.71	21.43	22.20	22.72
	6H	21.13	21.79	21.66	22.30	22.85	20.87	21.52	21.40	22.03	22.59
	8H	21.20	21.77	21.76	22.32	22.86	20.91	21.48	21.46	22.03	22.57
	12H	21.25	21.72	21.81	22.27	22.84	20.92	21.39	21.48	21.94	22.51
12H	4H	21.12	21.85	21.64	22.33	22.89	20.90	21.63	21.42	22.11	22.67
	6H	21.15	21.72	21.70	22.27	22.81	20.89	21.46	21.44	22.01	22.55
	8H	21.18	21.66	21.75	22.21	22.77	20.89	21.37	21.45	21.92	22.48
Variation with the observer position at spacings:											
S = 1.0H		0.6/-0.4					0.6/-0.4				
S = 1.5H		0.9/-0.9					0.9/-0.9				
S = 2.0H		1.7/-1.5					1.7/-1.5				
Standard tables:		BK2					BK2				
Uncorrected UGR		1.9					1.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25