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LumCAT:

Luminaire: no frame r 310 e

LampCAT: modulo led 21W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7200

Test No:

Current(A): 0.1780

Number of Lamps: 1

Power (W): 22.3090

Lamp flux(lm): 3043.0

PF: 0.9820

Length(mm): 285

Width(mm): 285

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2151.98, Efficiency(%): 70.72% , Luminous Efficacy(lm/W): 96.46

Central intensity(cd): 863.919, Maximum intensity(cd): 863.979

Angle of maximum intensity: C=0.0 γ =1.0

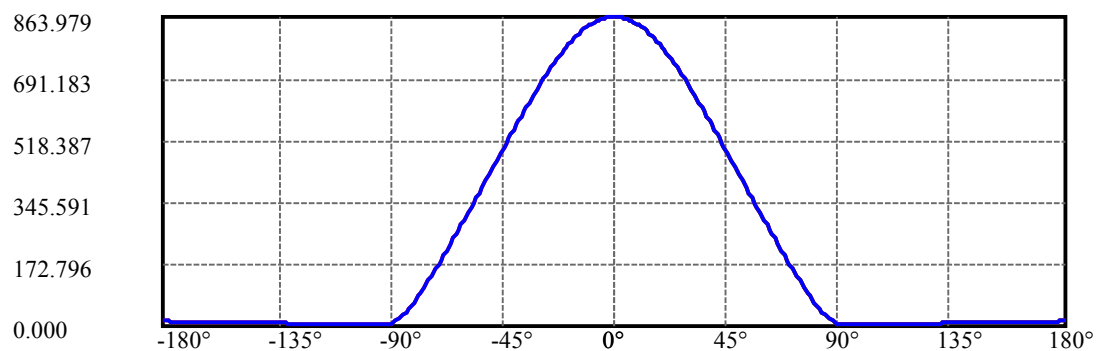
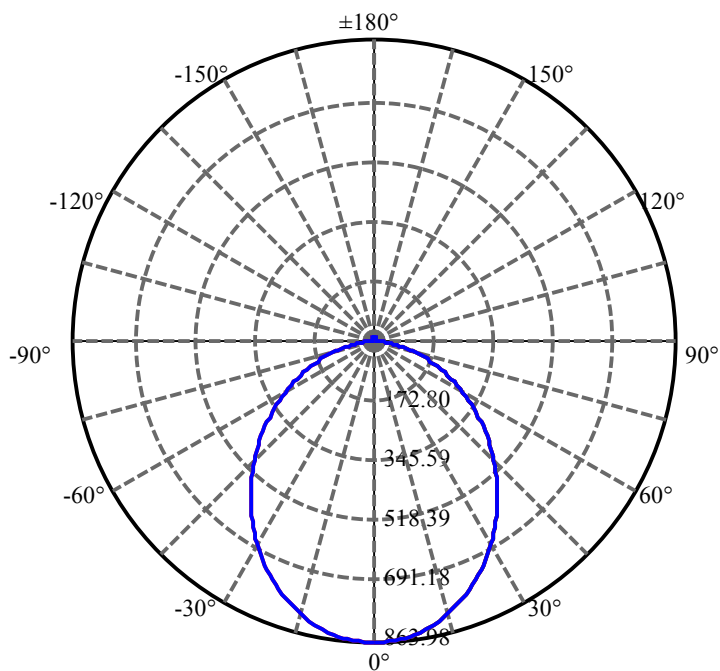
Beam angle of C0 plane : 98.35

Average BeamAngle(IEC 61341): 98.35

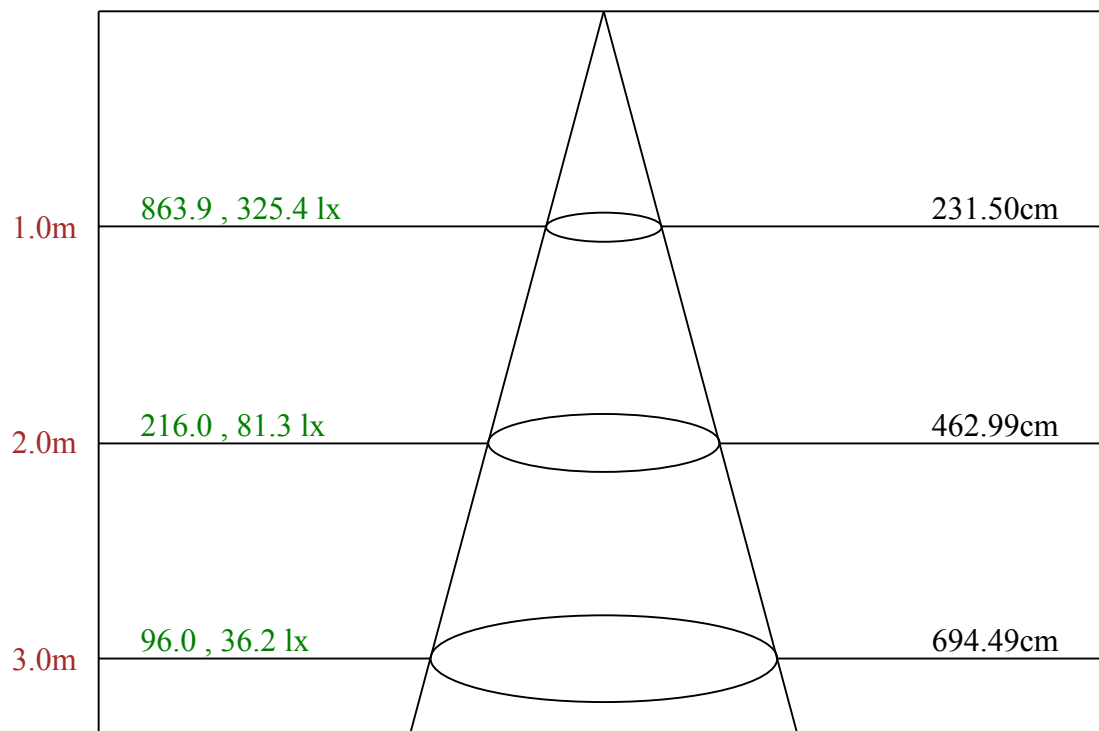
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 05/06/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90

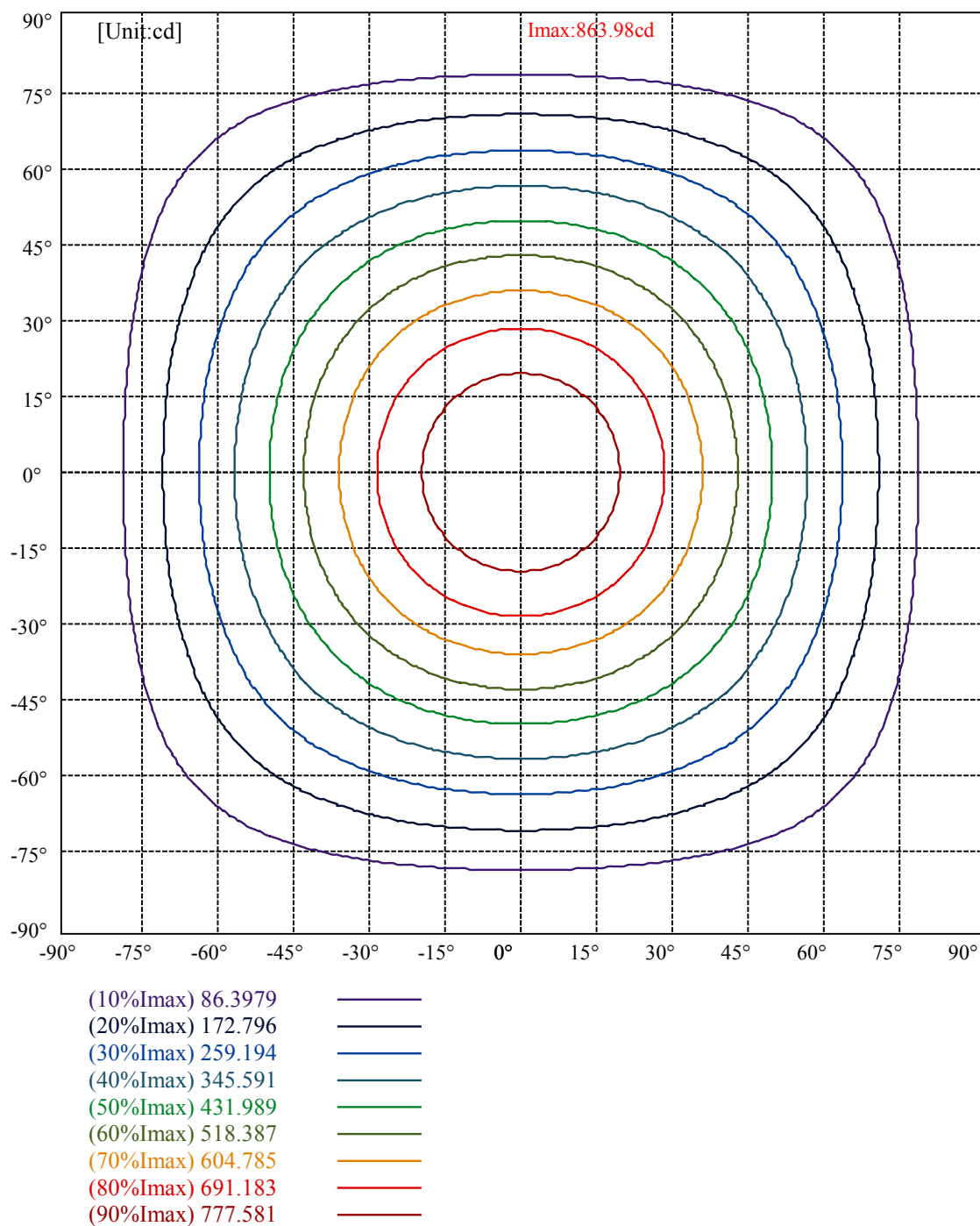


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 98.35



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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	8439	8085	7673	7269	6774	6205	5519	4621	3540
C45	8439	8085	7673	7269	6774	6205	5519	4621	3540
C90	8439	8085	7673	7269	6774	6205	5519	4621	3540

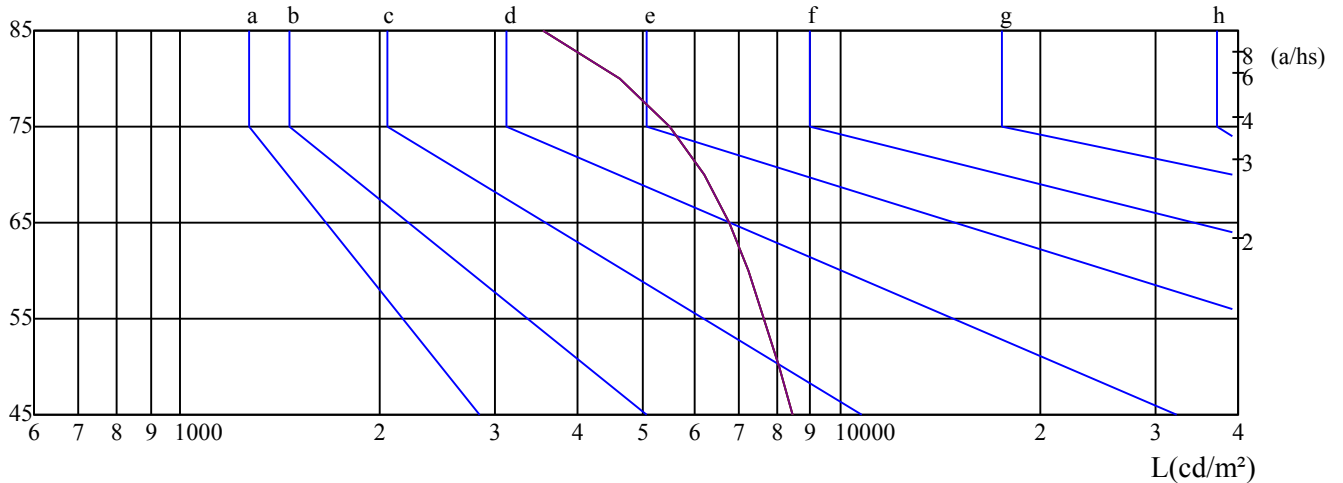
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
6774	6774	6774	5519	5519	5519	3540	3540	3540

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($^{\circ}\text{C}$): 25.0

Date: 05/06/2025
Humidity(%): 58.0%

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	19.57	21.10	19.96	21.46	21.83	19.44	20.97	19.83	21.34	21.71
	3H	21.08	22.47	21.50	22.86	23.26	20.91	22.30	21.33	22.68	23.08
	4H	21.63	22.93	22.06	23.33	23.75	21.42	22.72	21.84	23.12	23.53
	6H	22.04	23.25	22.48	23.66	24.11	21.78	22.99	22.22	23.40	23.85
	8H	22.13	23.30	22.58	23.72	24.18	21.85	23.02	22.30	23.44	23.89
	12H	22.18	23.30	22.63	23.72	24.19	21.87	22.99	22.33	23.42	23.88
4H	2H	20.24	21.54	20.67	21.94	22.36	20.14	21.44	20.57	21.84	22.26
	3H	21.90	23.01	22.36	23.44	23.90	21.75	22.86	22.21	23.29	23.76
	4H	22.61	23.59	23.08	24.05	24.54	22.42	23.40	22.89	23.86	24.35
	6H	23.08	23.96	23.58	24.44	24.93	22.85	23.72	23.34	24.20	24.70
	8H	23.25	24.06	23.75	24.55	25.06	22.99	23.80	23.49	24.29	24.80
	12H	23.35	24.10	23.86	24.58	25.14	23.06	23.82	23.57	24.30	24.85
8H	4H	22.84	23.66	23.35	24.15	24.66	22.68	23.49	23.18	23.98	24.49
	6H	23.44	24.12	23.96	24.62	25.17	23.22	23.90	23.74	24.41	24.96
	8H	23.71	24.31	24.26	24.85	25.39	23.47	24.06	24.01	24.61	25.15
	12H	23.86	24.36	24.42	24.91	25.47	23.59	24.09	24.14	24.64	25.19
12H	4H	22.86	23.62	23.37	24.10	24.65	22.70	23.46	23.21	23.94	24.49
	6H	23.53	24.12	24.07	24.67	25.21	23.32	23.91	23.87	24.46	25.00
	8H	23.79	24.29	24.35	24.84	25.40	23.56	24.06	24.11	24.60	25.16
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.3/-0.5				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.9/-0.9					0.9/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		4.7					4.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25