



lumini Solucoes em Iluminacao LTDA
www.lumini.com.br
Email:laboratorio@lumini.com.br
Tel:+55 11 3437-5555 Fax:+55 11 3437-5555
Address:Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

lumini

LumCAT:

Luminaire: kube n1

LampCAT: modulo led 34W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6000

Test No:

Current(A): 0.2980

Number of Lamps: 1

Power (W): 37.5710

Lamp flux(lm): 4929.0

PF: 0.9900

Length(mm): 500

Width(mm): 80

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3617.83, Efficiency(%): 73.40% , Luminous Efficacy(lm/W): 96.29

Central intensity(cd): 1411.113, Maximum intensity(cd): 1411.113

Angle of maximum intensity: C=0.0 γ =0.0

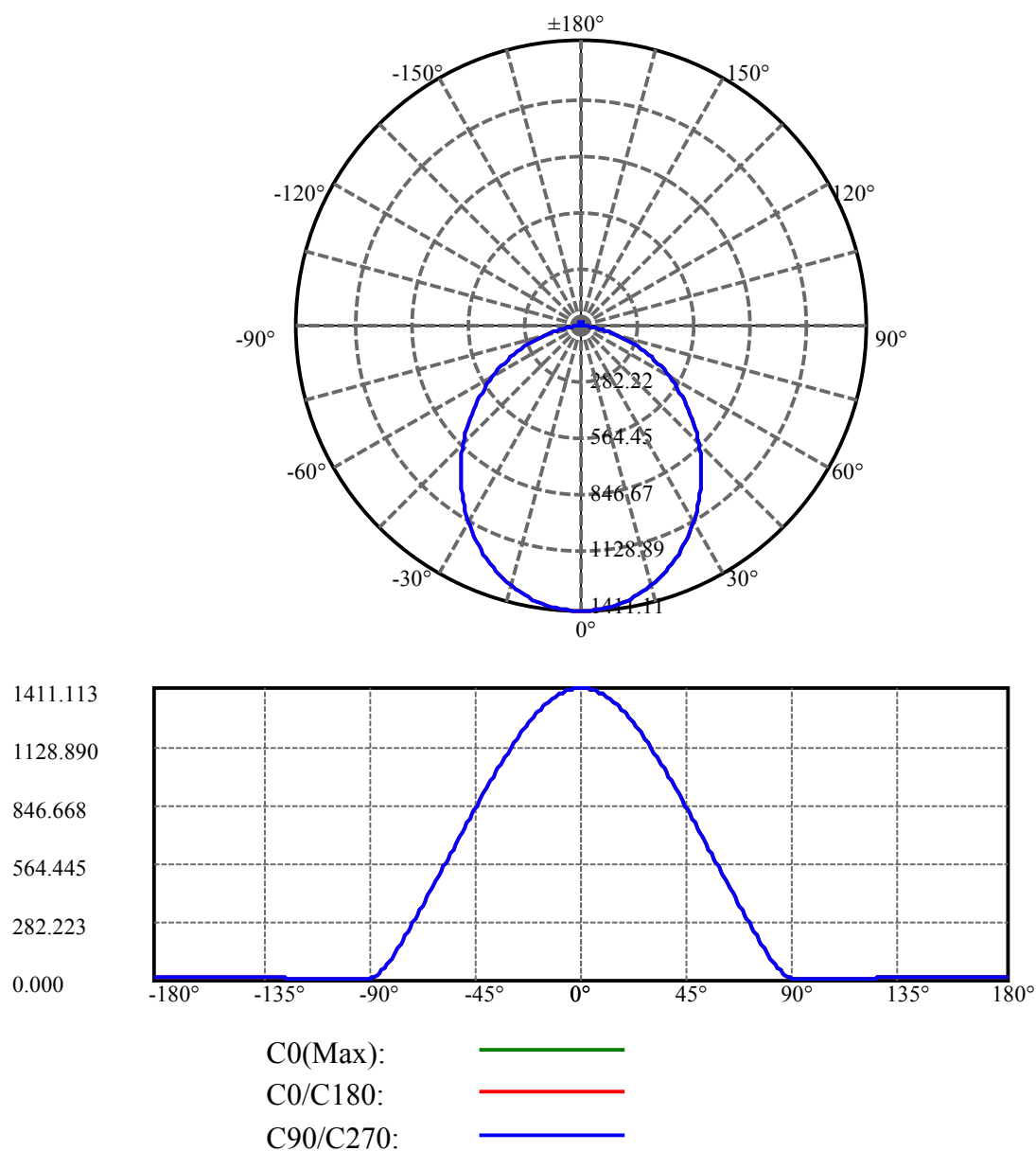
Beam angle of C0 plane : 101.15

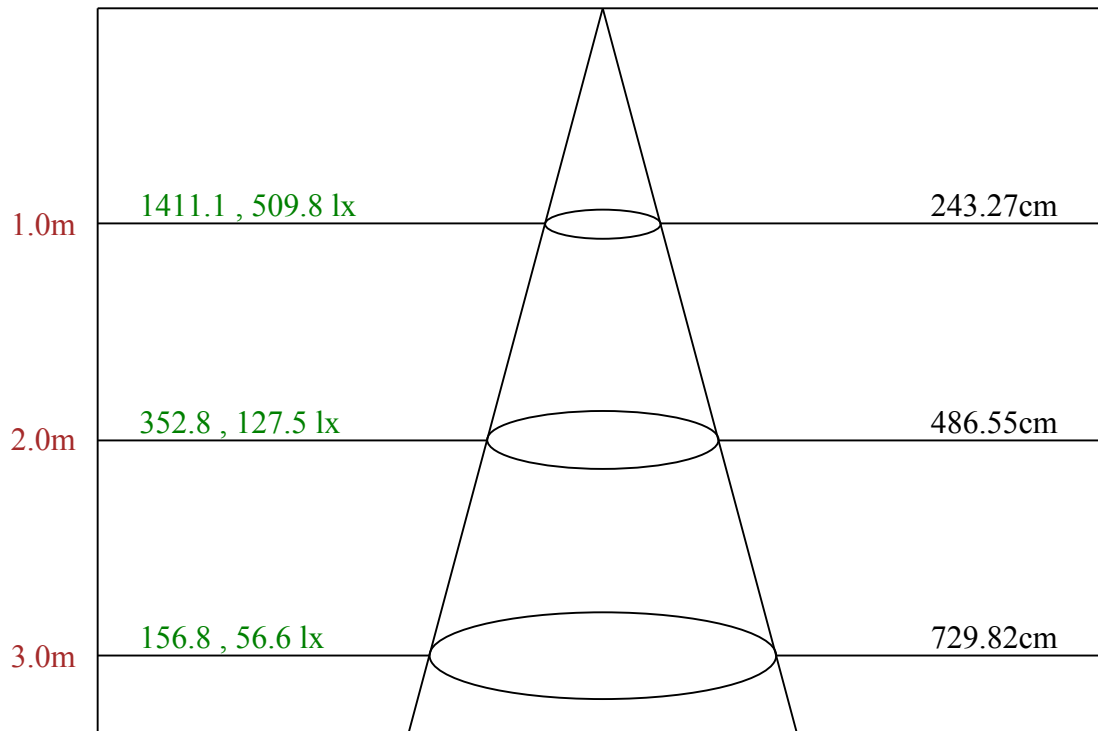
Aveage BeamAngle(IEC 61341):101.15

Equipment: equipamento lumini
Temperature(°C): 25.0

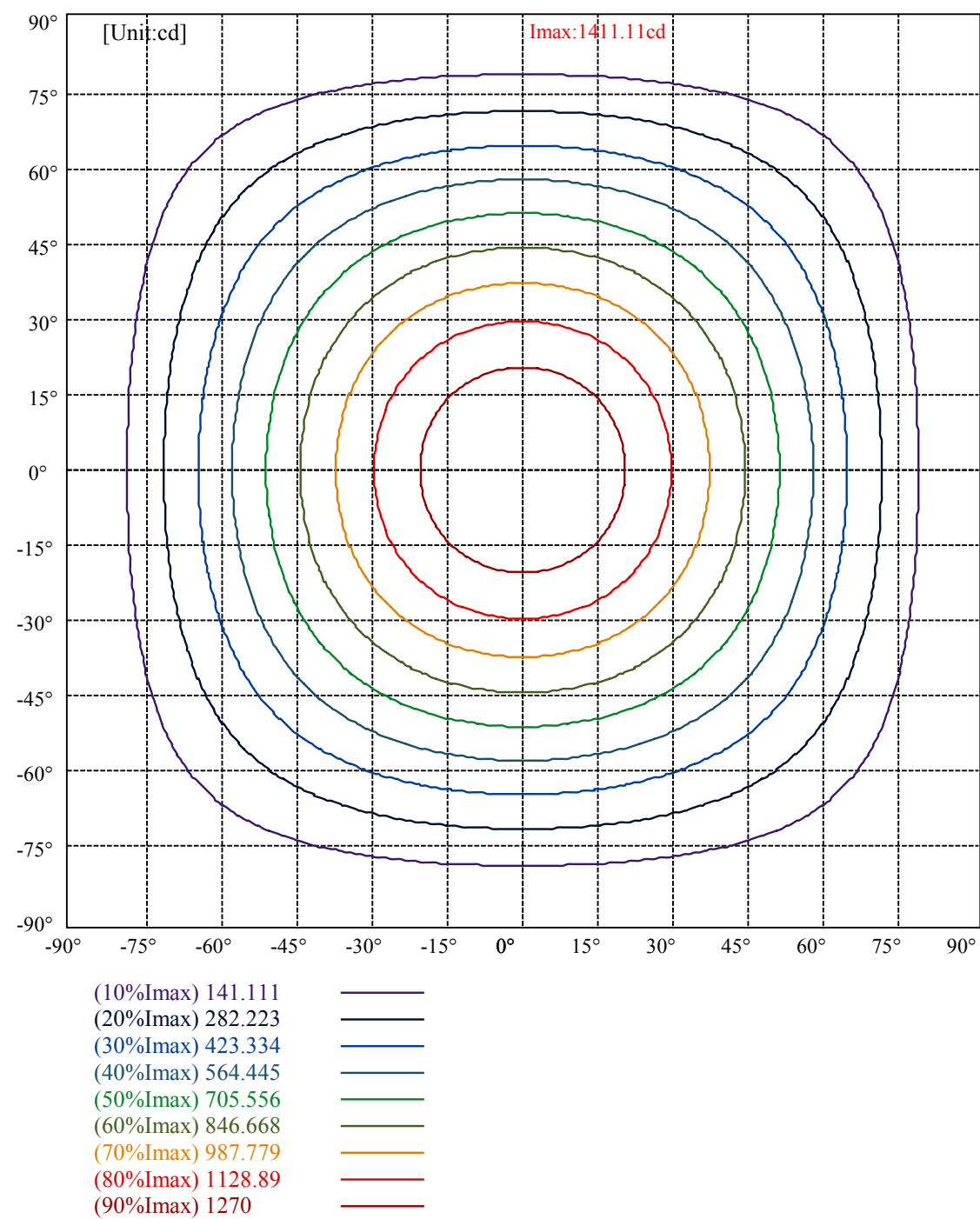
Date: 06/06/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 101.15



lumini

Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	29113	27927	26704	25283	23625	21730	19022	15384	10584
C45	29113	27927	26704	25283	23625	21730	19022	15384	10584
C90	29113	27927	26704	25283	23625	21730	19022	15384	10584

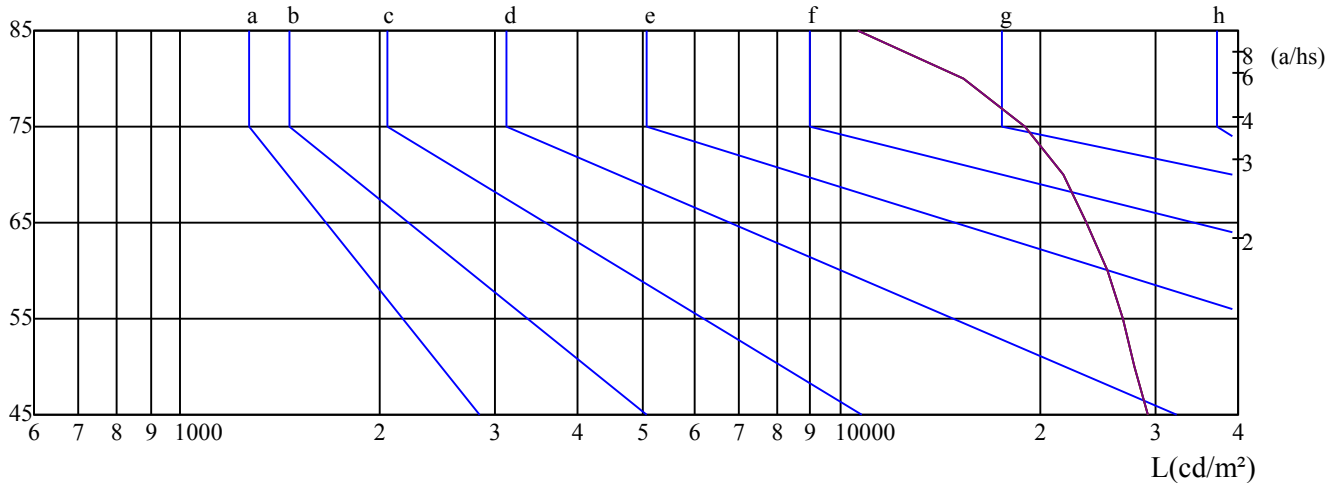
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
23625	23625	23625	19022	19022	19022	10584	10584	10584

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): 25.0

Date: 06/06/2025
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	23.76	25.30	24.15	25.66	26.03	24.02	25.57	24.42	25.93	26.30
	3H	25.21	26.61	25.63	26.99	27.39	25.60	27.00	26.02	27.38	27.78
	4H	25.70	27.01	26.13	27.41	27.82	26.16	27.47	26.59	27.87	28.28
	6H	26.01	27.23	26.45	27.64	28.08	26.58	27.80	27.02	28.21	28.66
	8H	26.05	27.22	26.50	27.64	28.10	26.69	27.86	27.13	28.28	28.73
	12H	26.04	27.17	26.49	27.59	28.06	26.74	27.86	27.19	28.29	28.75
4H	2H	24.49	25.80	24.92	26.20	26.62	24.70	26.01	25.13	26.41	26.82
	3H	26.10	27.21	26.55	27.64	28.11	26.42	27.54	26.87	27.97	28.43
	4H	26.75	27.73	27.22	28.19	28.68	27.15	28.13	27.62	28.59	29.08
	6H	27.11	27.99	27.61	28.47	28.96	27.63	28.51	28.13	28.99	29.49
	8H	27.21	28.03	27.72	28.52	29.03	27.81	28.63	28.31	29.11	29.62
	12H	27.24	28.01	27.76	28.49	29.04	27.91	28.67	28.42	29.15	29.71
8H	4H	27.02	27.84	27.53	28.33	28.84	27.38	28.20	27.89	28.69	29.20
	6H	27.50	28.18	28.02	28.69	29.24	27.98	28.66	28.51	29.17	29.72
	8H	27.70	28.29	28.25	28.84	29.38	28.27	28.86	28.81	29.41	29.95
	12H	27.76	28.27	28.32	28.81	29.37	28.42	28.92	28.98	29.47	30.03
12H	4H	27.05	27.81	27.56	28.29	28.84	27.39	28.15	27.91	28.63	29.19
	6H	27.60	28.20	28.15	28.74	29.28	28.07	28.66	28.61	29.21	29.75
	8H	27.79	28.29	28.34	28.84	29.39	28.34	28.84	28.89	29.39	29.94
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		1.0/-0.9					1.0/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		9.0					9.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25