



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: loop modulo linear 12.5W

LampCAT: modulo led 25W/m 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6900

Test No:

Current(A): 0.1220

Number of Lamps: 1

Power (W): 15.4040

Lamp flux(lm): 1748.0

PF: 0.9880

Length(mm): 500

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 943.82, Efficiency(%): 53.99% , Luminous Efficacy(lm/W): 61.27

Central intensity(cd): 397.032, Maximum intensity(cd): 397.032

Angle of maximum intensity: C=0.0 γ =0.0

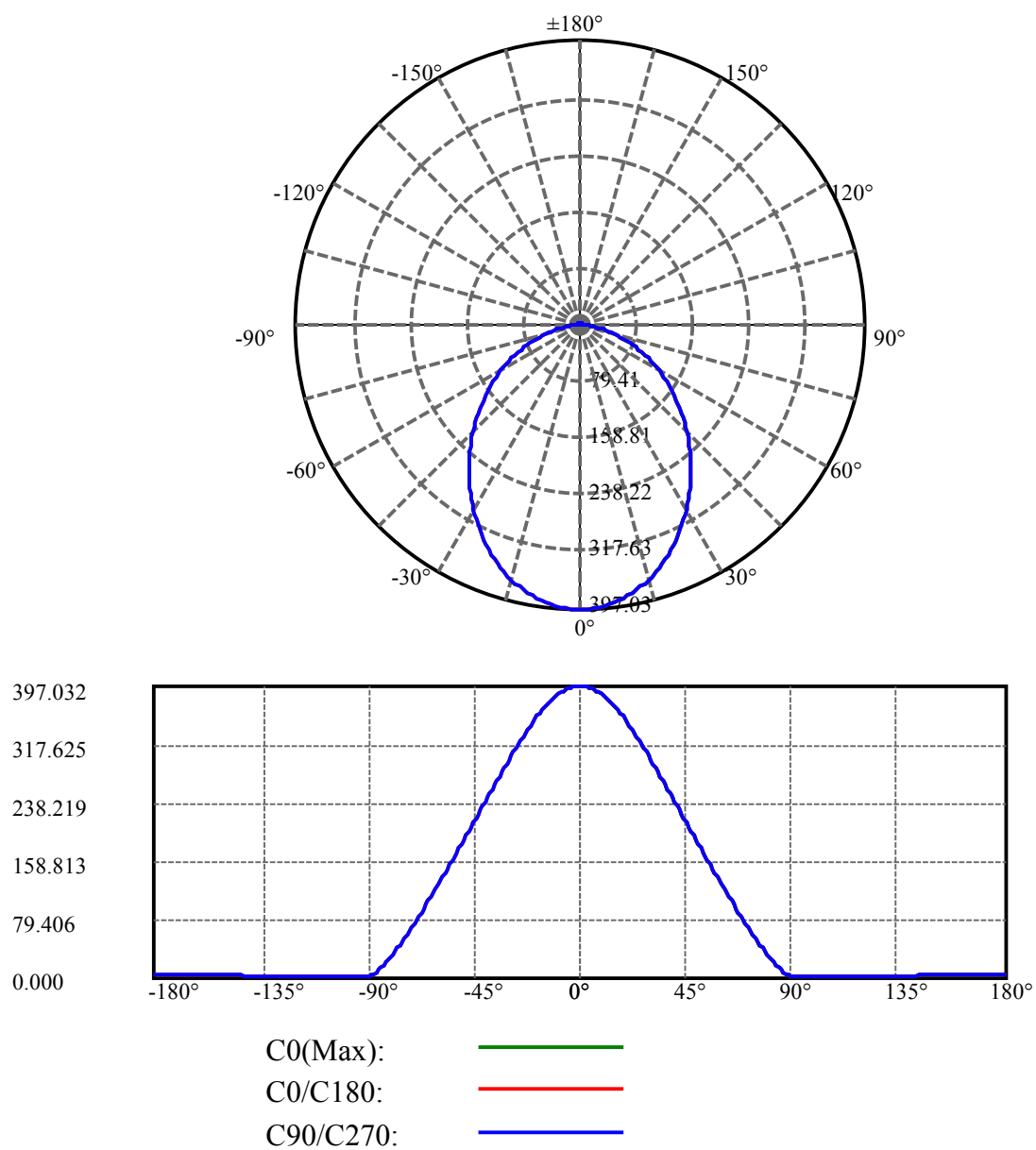
Beam angle of C0 plane : 94.43

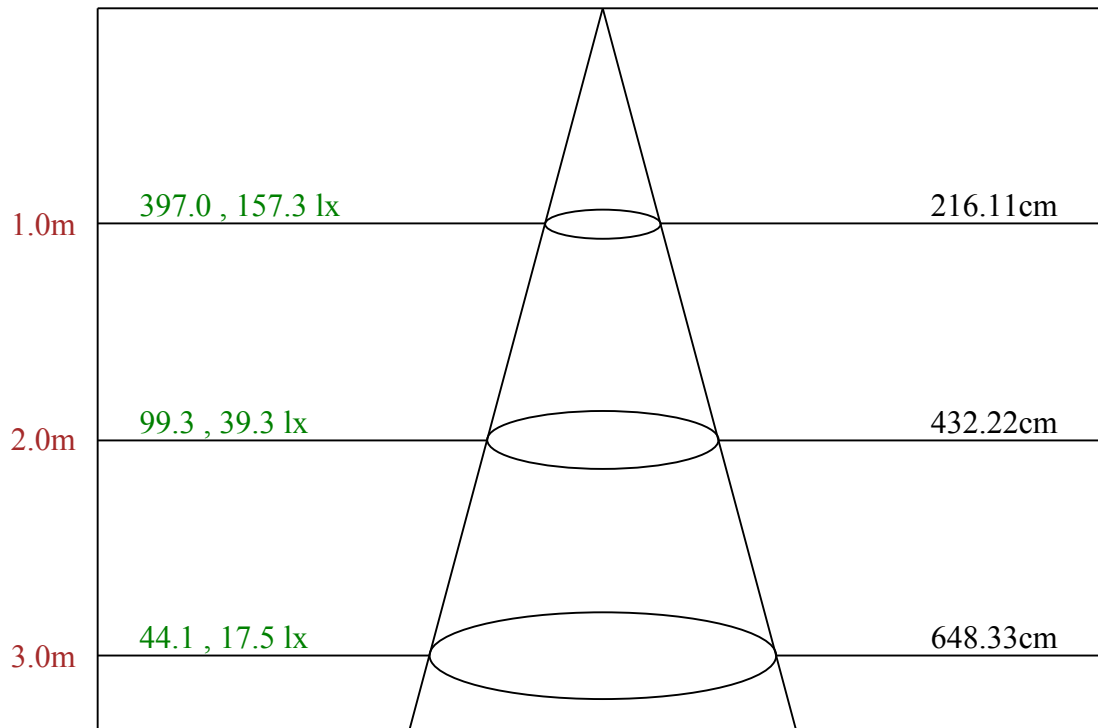
Aveage BeamAngle(IEC 61341):94.43

Equipment: equipamento lumini
Temperature(°C): 25.5

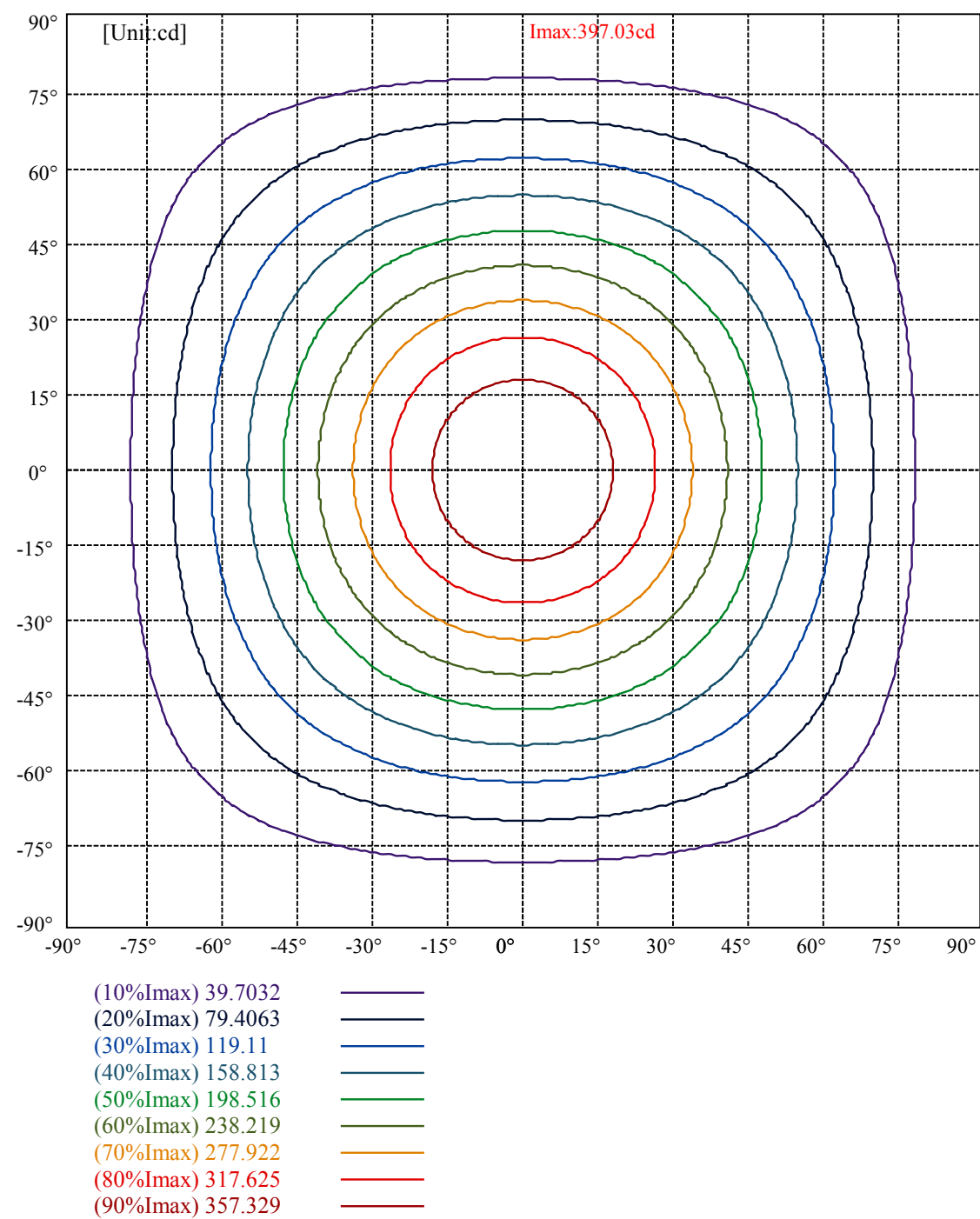
Date: 26/03/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 94.43



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	14927	14185	13442	12708	11835	10860	9606	8258	6675
C45	14927	14185	13442	12708	11835	10860	9606	8258	6675
C90	14927	14185	13442	12708	11835	10860	9606	8258	6675

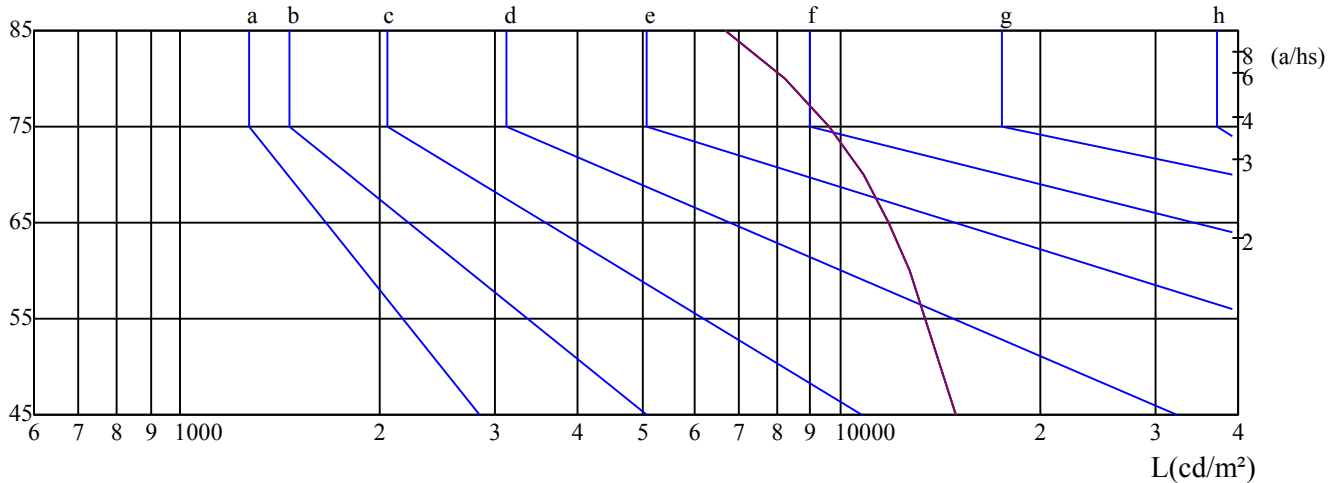
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
11835	11835	11835	9606	9606	9606	6675	6675	6675

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($^{\circ}\text{C}$): 25.5

Date: 26/03/2025
Humidity(%): 60.0%

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	21.10	22.63	21.49	22.99	23.36	21.67	23.20	22.06	23.56	23.93
	3H	22.56	23.94	22.97	24.33	24.72	23.20	24.59	23.62	24.97	25.36
	4H	23.09	24.39	23.51	24.78	25.19	23.75	25.05	24.17	25.44	25.85
	6H	23.50	24.70	23.94	25.11	25.56	24.15	25.36	24.59	25.76	26.21
	8H	23.61	24.78	24.06	25.19	25.64	24.24	25.40	24.68	25.82	26.27
	12H	23.69	24.81	24.14	25.23	25.69	24.27	25.38	24.71	25.81	26.26
4H	2H	21.83	23.13	22.26	23.53	23.94	22.28	23.58	22.70	23.97	24.38
	3H	23.44	24.55	23.89	24.97	25.43	23.96	25.06	24.41	25.49	25.95
	4H	24.13	25.11	24.60	25.56	26.05	24.67	25.65	25.14	26.10	26.59
	6H	24.62	25.49	25.11	25.96	26.45	25.15	26.02	25.64	26.50	26.99
	8H	24.80	25.62	25.31	26.10	26.61	25.30	26.12	25.81	26.60	27.11
	12H	24.95	25.70	25.46	26.18	26.73	25.39	26.15	25.90	26.62	27.17
8H	4H	24.42	25.23	24.92	25.71	26.22	24.90	25.71	25.40	26.19	26.70
	6H	25.03	25.71	25.55	26.21	26.76	25.49	26.17	26.02	26.67	27.22
	8H	25.34	25.93	25.89	26.48	27.01	25.77	26.36	26.31	26.90	27.44
	12H	25.55	26.05	26.11	26.60	27.15	25.91	26.41	26.46	26.95	27.50
12H	4H	24.44	25.20	24.95	25.68	26.22	24.92	25.67	25.43	26.15	26.70
	6H	25.14	25.73	25.69	26.28	26.81	25.59	26.18	26.13	26.73	27.26
	8H	25.45	25.95	26.00	26.49	27.05	25.85	26.35	26.41	26.90	27.45
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		6.6					6.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25