



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: led wide md c

LampCAT: modulo led 10.5W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.8700

Test No:

Current(A): 0.1160

Number of Lamps: 1

Power (W): 13.8630

Lamp flux(lm): 1621.0

PF: 0.9350

Length(mm): 28

Width(mm): 28

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1221.42, Efficiency(%): 75.35% , Luminous Efficacy(lm/W): 88.11

Central intensity(cd): 505.487, Maximum intensity(cd): 505.487

Angle of maximum intensity: C=0.0 γ =0.0

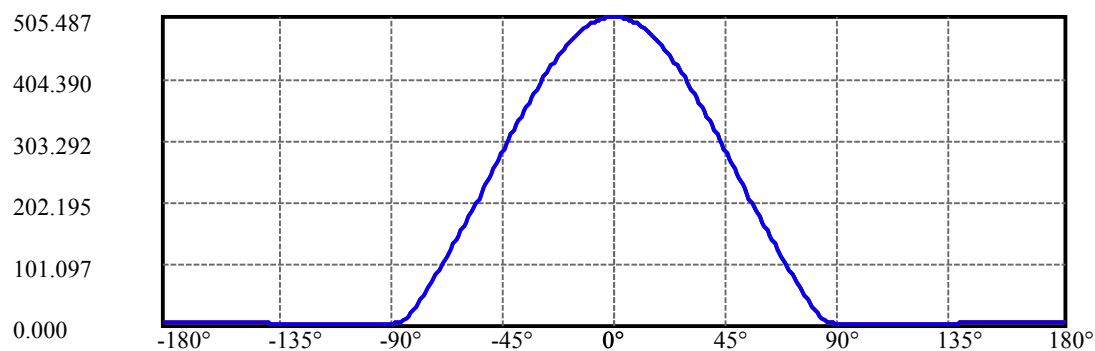
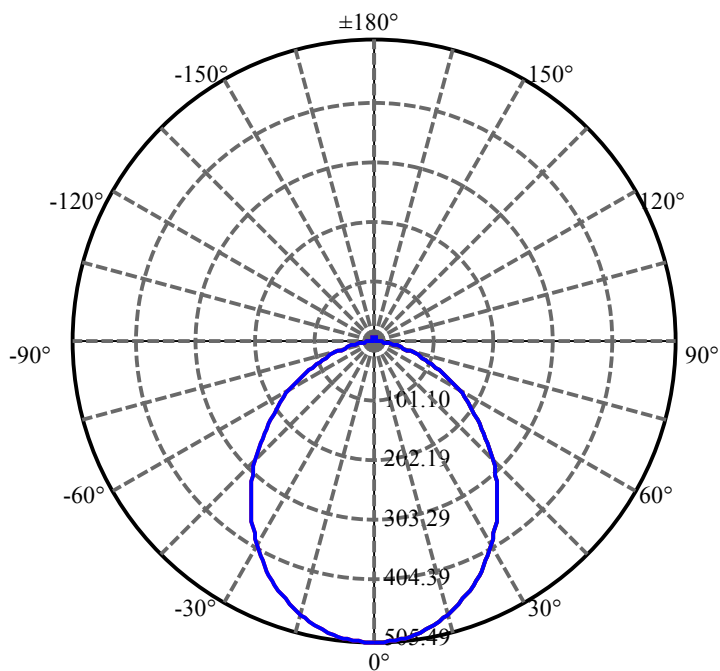
Beam angle of C0 plane : 97.07

Average BeamAngle(IEC 61341): 97.07

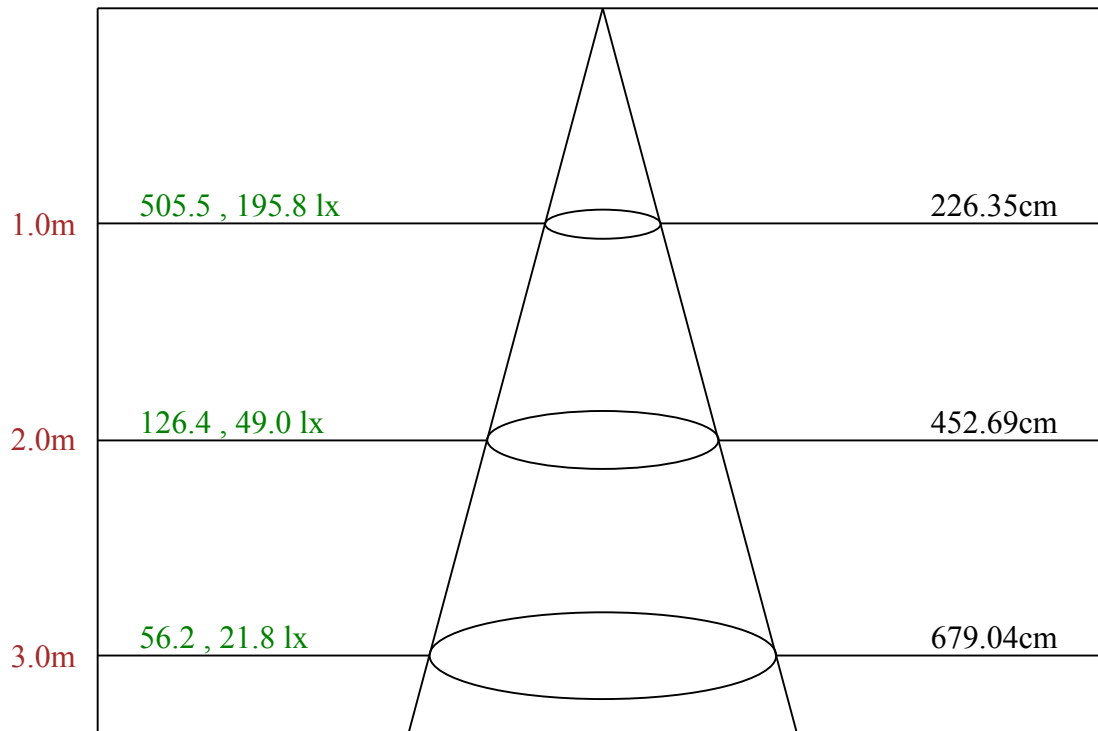
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 31/03/2025
Humidity(%): 60.0%

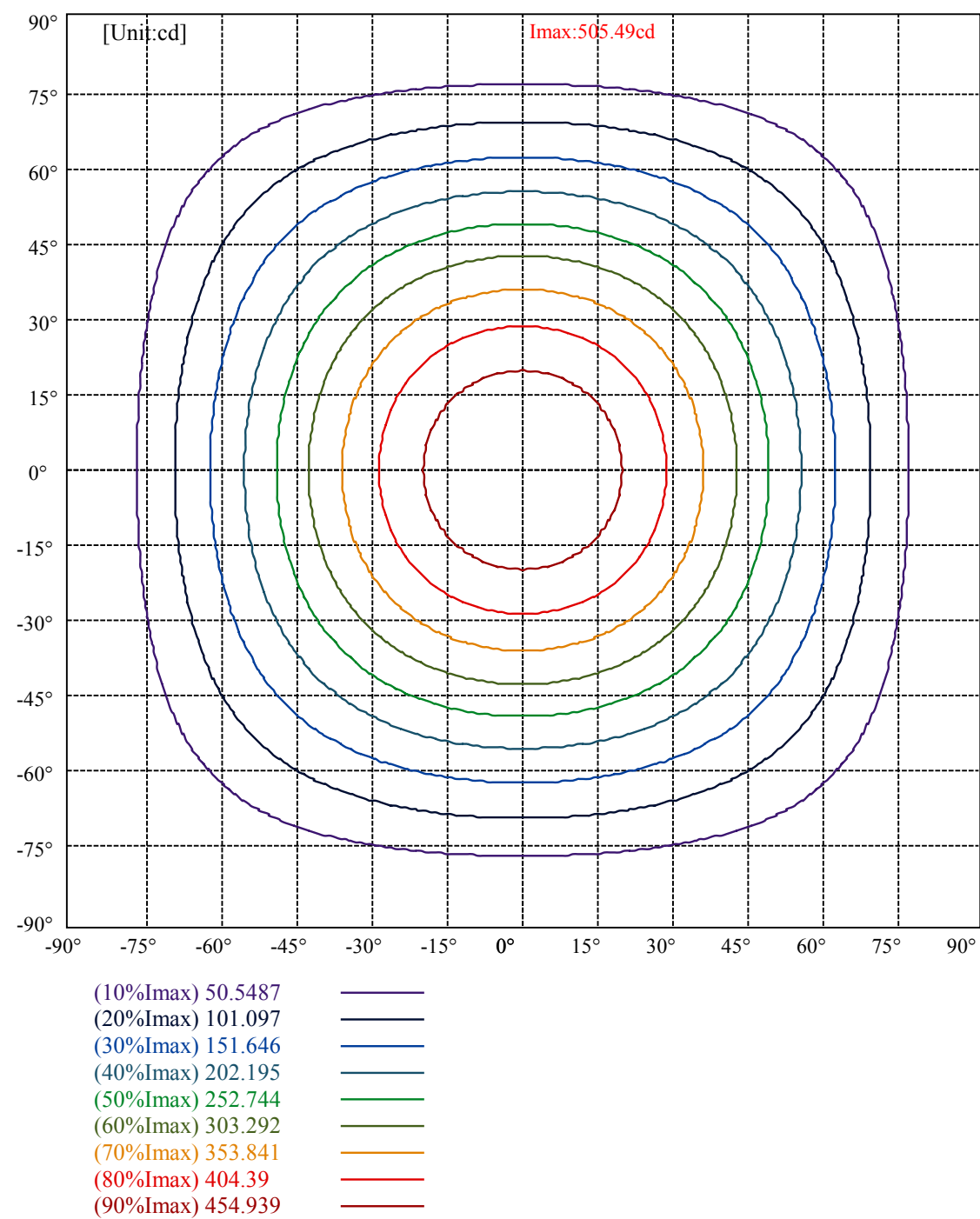
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 97.07



Luminance Table

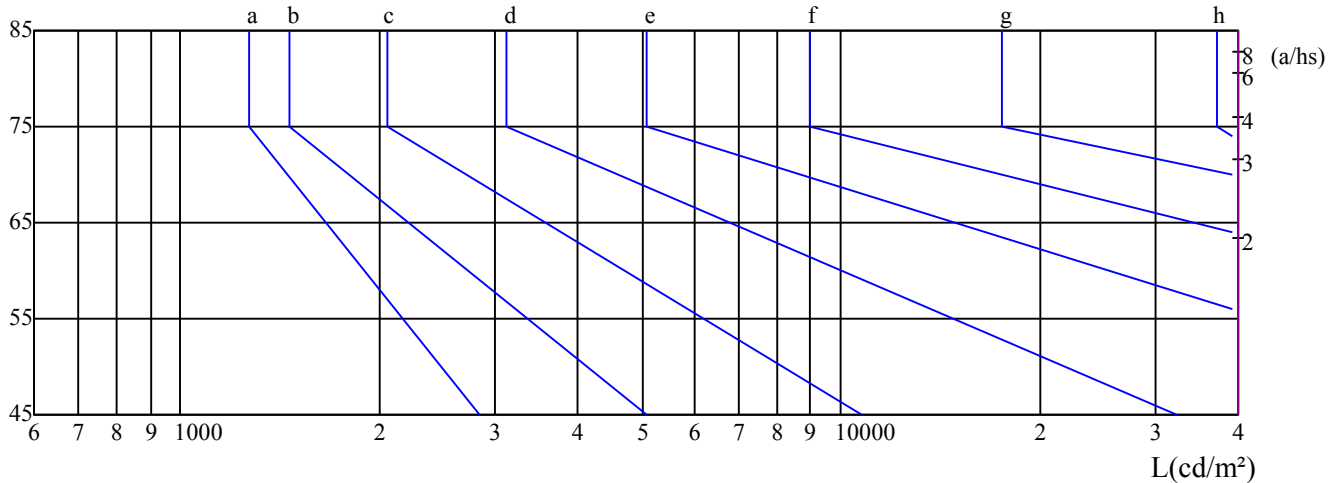
γ	45	50	55	60	65	70	75	80	85
C0	506988	478265	447677	416906	381450	339173	283611	196451	102686
C45	506988	478265	447677	416906	381450	339173	283611	196451	102686
C90	506988	478265	447677	416906	381450	339173	283611	196451	102686

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
381450	381450	381450	283611	283611	283611	102686	102686	102686

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 ———

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	33.86	35.37	34.25	35.73	36.10	33.74	35.25	34.13	35.61	35.98
	3H	35.26	36.63	35.68	37.02	37.41	35.11	36.47	35.52	36.86	37.25
	4H	35.75	37.03	36.18	37.43	37.84	35.55	36.83	35.97	37.22	37.64
	6H	36.06	37.25	36.50	37.66	38.11	35.80	36.99	36.24	37.40	37.85
	8H	36.09	37.24	36.54	37.65	38.11	35.81	36.96	36.26	37.38	37.83
	12H	36.07	37.17	36.52	37.59	38.06	35.78	36.88	36.23	37.31	37.77
4H	2H	34.51	35.79	34.94	36.19	36.60	34.42	35.70	34.85	36.10	36.51
	3H	36.07	37.16	36.52	37.58	38.04	35.94	37.02	36.39	37.45	37.91
	4H	36.71	37.67	37.18	38.12	38.61	36.53	37.49	37.00	37.94	38.43
	6H	37.07	37.92	37.56	38.40	38.89	36.83	37.68	37.32	38.16	38.65
	8H	37.15	37.94	37.65	38.43	38.94	36.88	37.68	37.39	38.16	38.67
	12H	37.17	37.90	37.68	38.38	38.93	36.89	37.62	37.40	38.10	38.65
8H	4H	36.92	37.71	37.42	38.20	38.71	36.75	37.55	37.26	38.03	38.54
	6H	37.36	38.02	37.89	38.53	39.07	37.14	37.80	37.66	38.30	38.85
	8H	37.53	38.10	38.08	38.65	39.18	37.28	37.85	37.82	38.40	38.93
	12H	37.56	38.05	38.12	38.59	39.15	37.30	37.78	37.85	38.32	38.88
12H	4H	36.92	37.66	37.43	38.14	38.69	36.76	37.50	37.27	37.98	38.53
	6H	37.43	38.01	37.98	38.55	39.09	37.21	37.79	37.76	38.33	38.87
	8H	37.57	38.05	38.13	38.60	39.15	37.32	37.81	37.88	38.35	38.91
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.4					0.4/-0.4				
S = 1.5H		0.7/-0.8					0.7/-0.8				
S = 2.0H		1.3/-1.1					1.3/-1.1				
Standard tables:		BK3					BK3				
Uncorrected UGR		18.5					18.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25