



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: downled sm r pro s super wide serie 2 e fm

LampCAT: modulo led 12.5W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 124.0000

Test No:

Current(A): 0.1160

Number of Lamps: 1

Power (W): 14.3840

Lamp flux(lm): 1550.0

PF: 0.0000

Length(mm): 30

Width(mm): 30

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 925.32, Efficiency(%): 59.70% , Luminous Efficacy(lm/W): 64.33

Central intensity(cd): 3056.562, Maximum intensity(cd): 3056.562

Angle of maximum intensity: C=0.0 γ =0.0

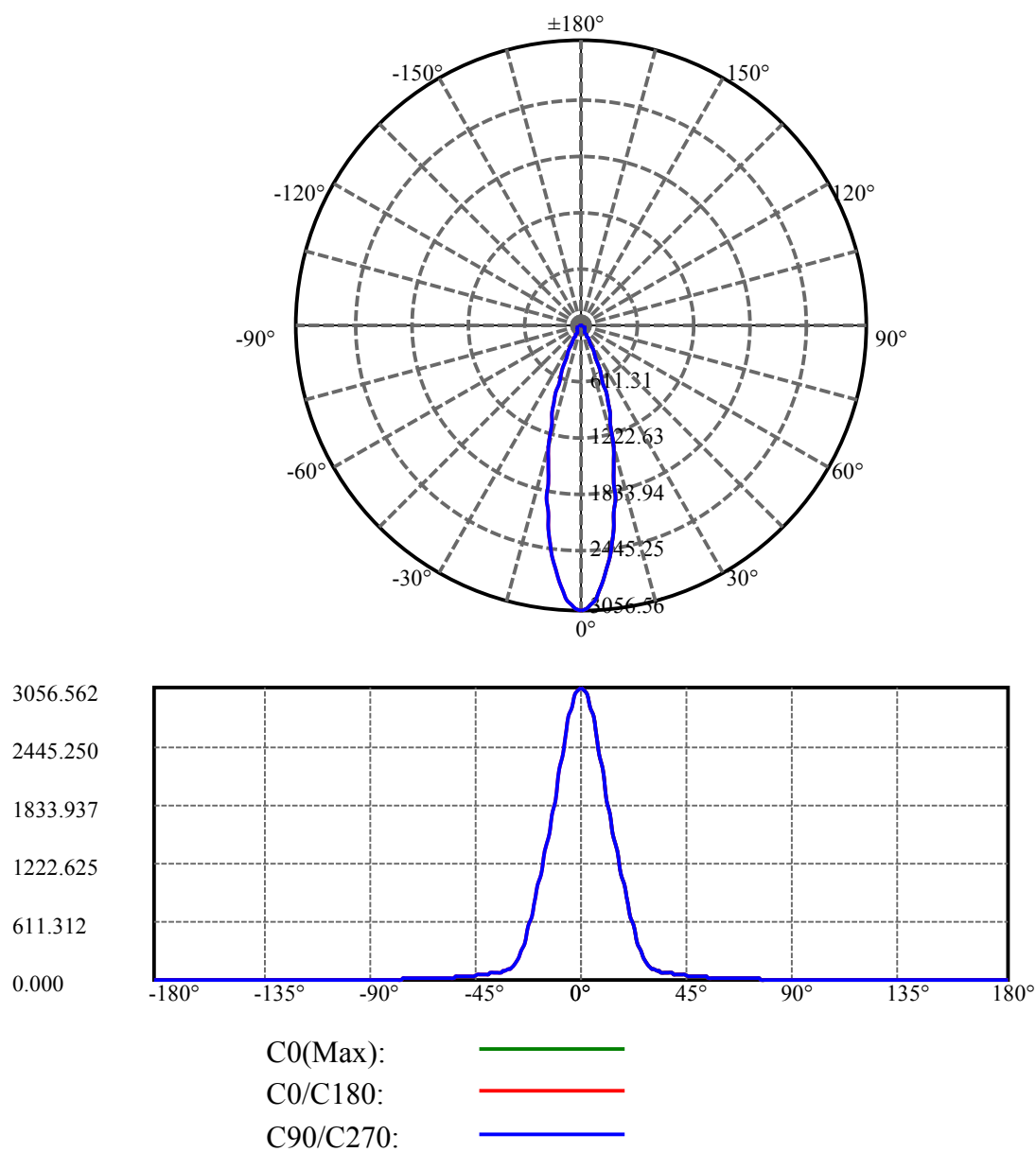
Beam angle of C0 plane : 26.93

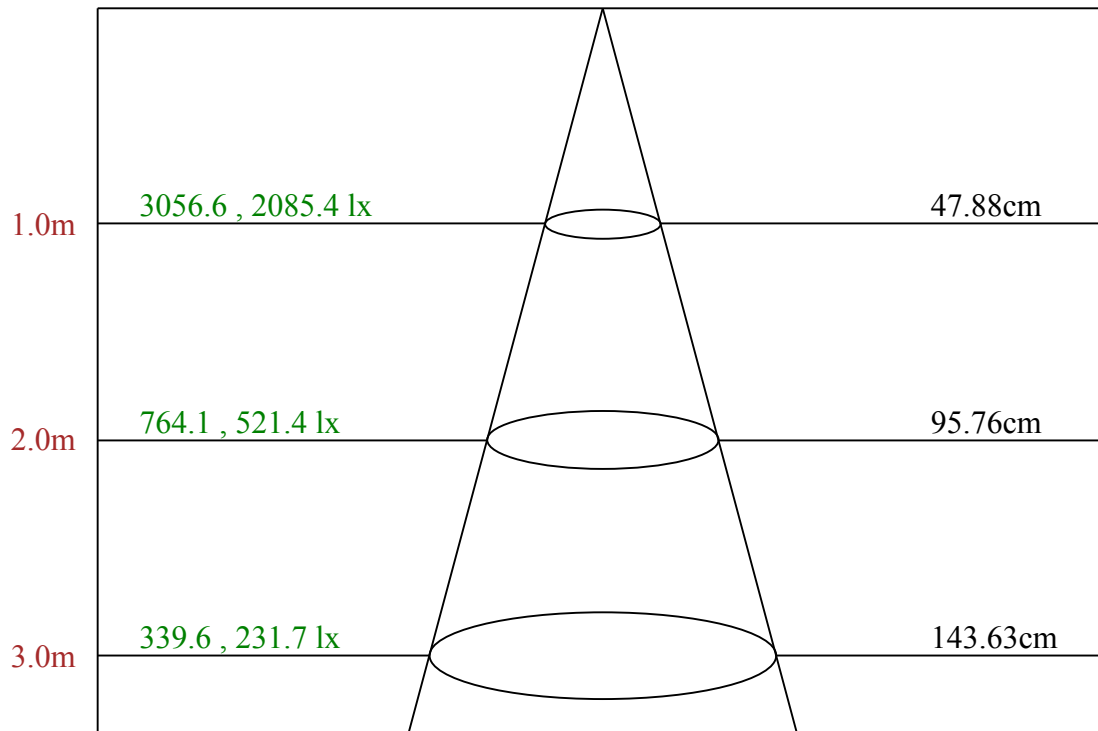
Aveage BeamAngle(IEC 61341):26.93

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 28/01/2025
Humidity(%): 62.0%

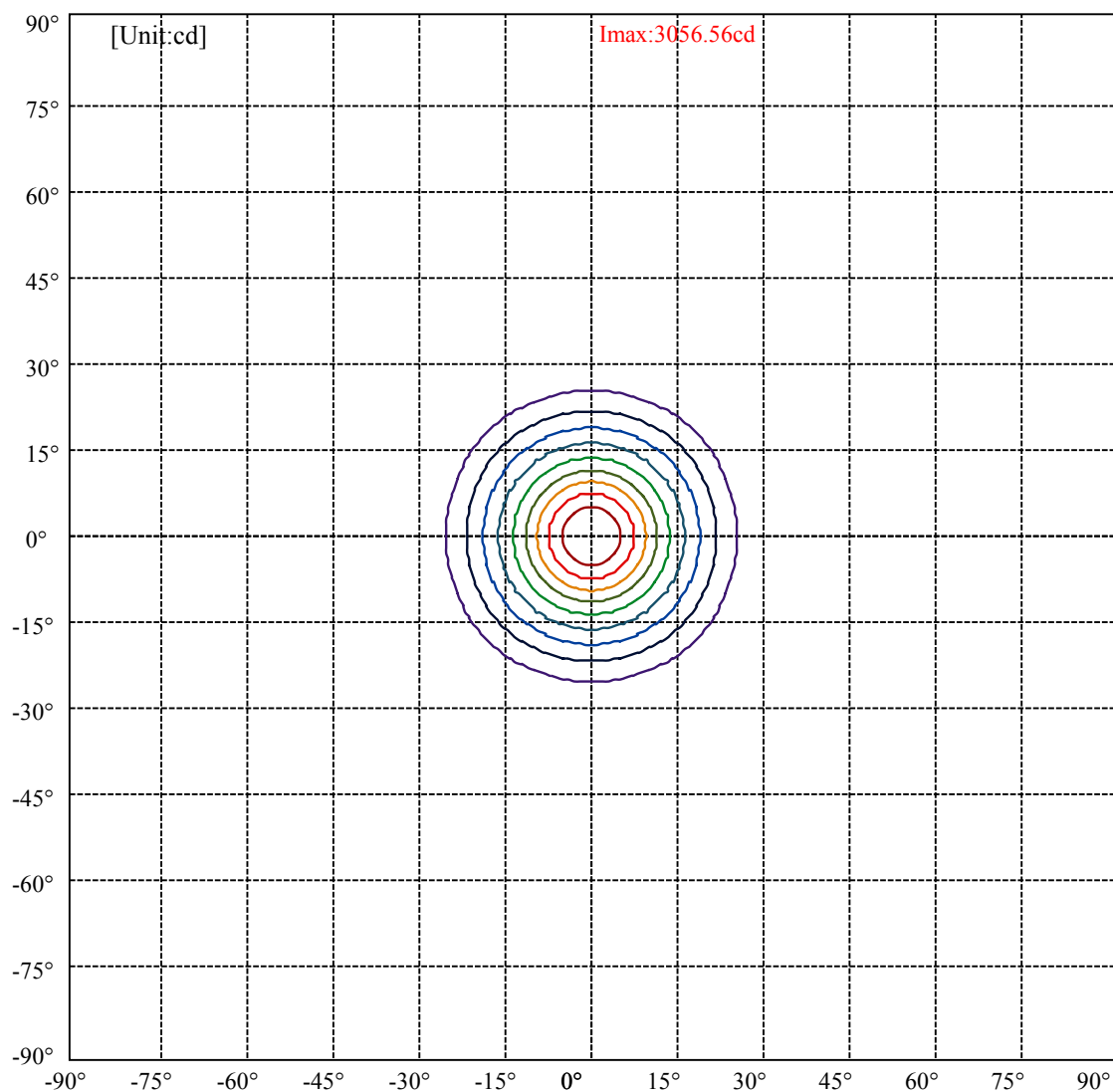
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 26.93



Luminance Table

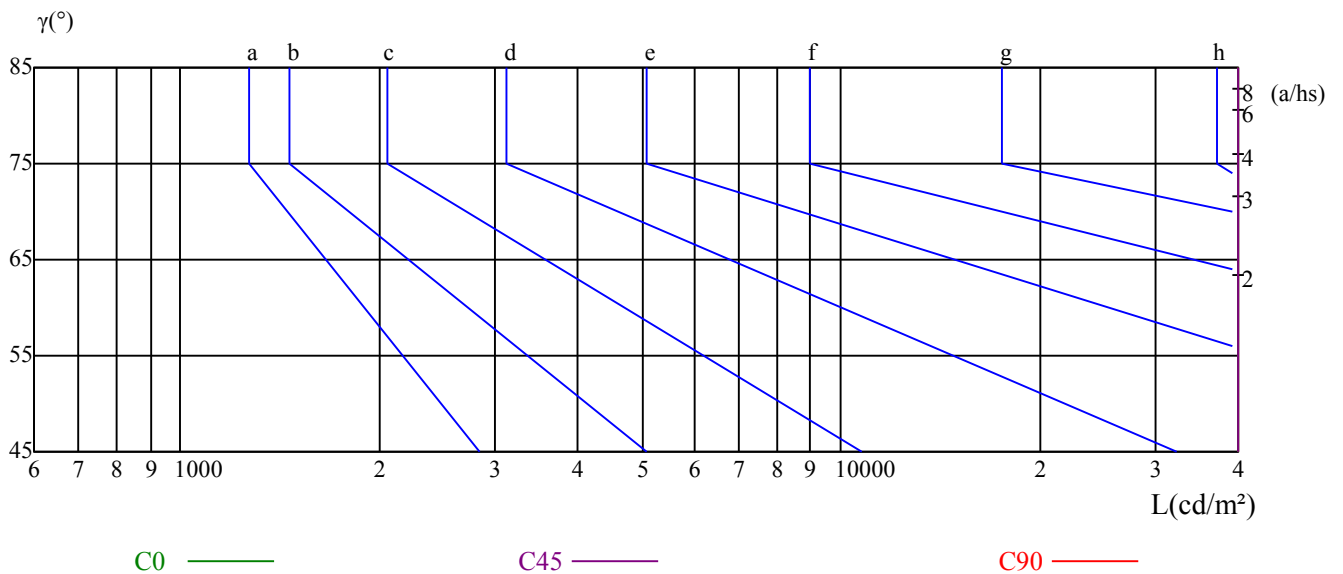
γ	45	50	55	60	65	70	75	80	85
C0	73783	58750	52178	47782	44295	41973	40776	42192	53412
C45	73783	58750	52178	47782	44295	41973	40776	42192	53412
C90	73783	58750	52178	47782	44295	41973	40776	42192	53412

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
44295	44295	44295	40776	40776	40776	53412	53412	53412

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



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	21.56	22.56	21.96	22.92	23.29	21.89	22.90	22.29	23.26	23.63
	3H	22.63	23.53	23.05	23.91	24.31	22.99	23.89	23.42	24.27	24.67
	4H	23.09	23.93	23.53	24.32	24.74	23.48	24.31	23.92	24.71	25.13
	6H	23.53	24.29	23.98	24.71	25.16	23.95	24.72	24.41	25.14	25.59
	8H	23.70	24.43	24.16	24.86	25.32	24.16	24.89	24.62	25.32	25.77
	12H	23.87	24.57	24.34	25.00	25.47	24.36	25.05	24.83	25.49	25.96
4H	2H	21.97	22.81	22.41	23.21	23.63	22.25	23.08	22.69	23.48	23.90
	3H	23.24	23.94	23.70	24.37	24.84	23.54	24.24	24.00	24.67	25.14
	4H	23.88	24.49	24.35	24.95	25.45	24.20	24.81	24.68	25.28	25.77
	6H	24.41	24.95	24.92	25.44	25.94	24.79	25.33	25.30	25.82	26.32
	8H	24.68	25.18	25.20	25.68	26.20	25.09	25.59	25.61	26.09	26.61
	12H	24.95	25.41	25.48	25.90	26.47	25.40	25.86	25.93	26.35	26.92
8H	4H	24.09	24.59	24.62	25.09	25.61	24.39	24.88	24.91	25.38	25.90
	6H	24.80	25.21	25.34	25.73	26.29	25.14	25.55	25.68	26.07	26.62
	8H	25.23	25.58	25.80	26.13	26.68	25.61	25.95	26.17	26.51	27.05
	12H	25.64	25.91	26.21	26.46	27.03	26.06	26.33	26.63	26.88	27.45
12H	4H	24.12	24.58	24.64	25.07	25.64	24.40	24.86	24.93	25.35	25.92
	6H	24.93	25.28	25.50	25.84	26.38	25.26	25.60	25.82	26.16	26.70
	8H	25.39	25.66	25.96	26.21	26.78	25.74	26.01	26.32	26.57	27.14
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.7					0.4/-0.7				
S = 1.5H		0.8/-1.0					0.8/-1.0				
S = 2.0H		1.5/-1.0					1.5/-1.0				
Standard tables:		BK4					BK4				
Uncorrected UGR		6.6					6.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25