



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 md r wide serie 2 e

LampCAT: modulo led 27W 30K irc 90

Ballast type: led driver 900mA

Report No:

Voltage(V): 127.0100

Test No:

Current(A): 0.2510

Number of Lamps: 1

Power (W): 31.4550

Lamp flux(lm): 3540.0

PF: 0.9860

Length(mm): 128

Width(mm): 128

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2074.48, Efficiency(%): 58.60% , Luminous Efficacy(lm/W): 65.95

Central intensity(cd): 1420.992, Maximum intensity(cd): 1420.992

Angle of maximum intensity: C=0.0 γ =0.0

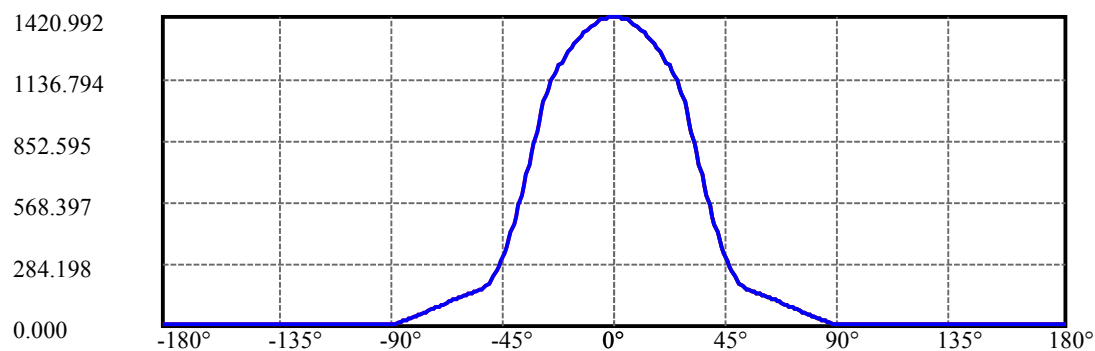
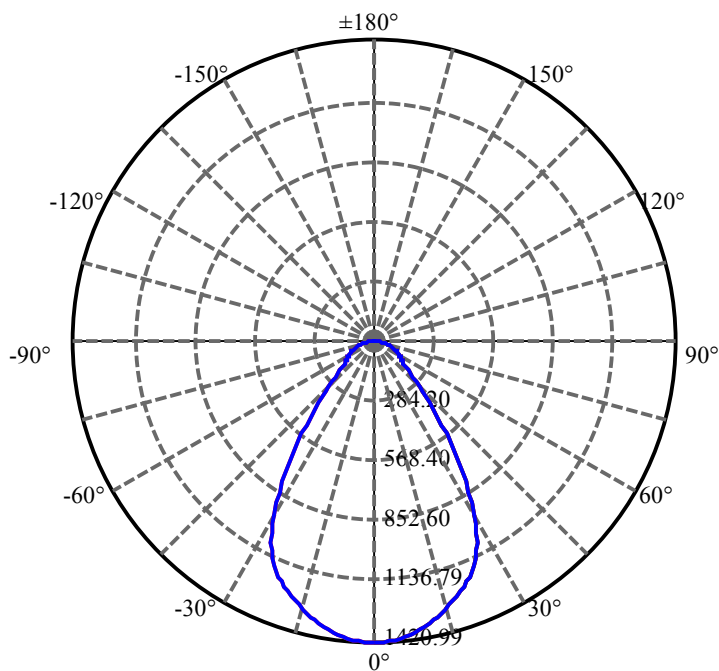
Beam angle of C0 plane : 69.31

Average BeamAngle(IEC 61341): 69.31

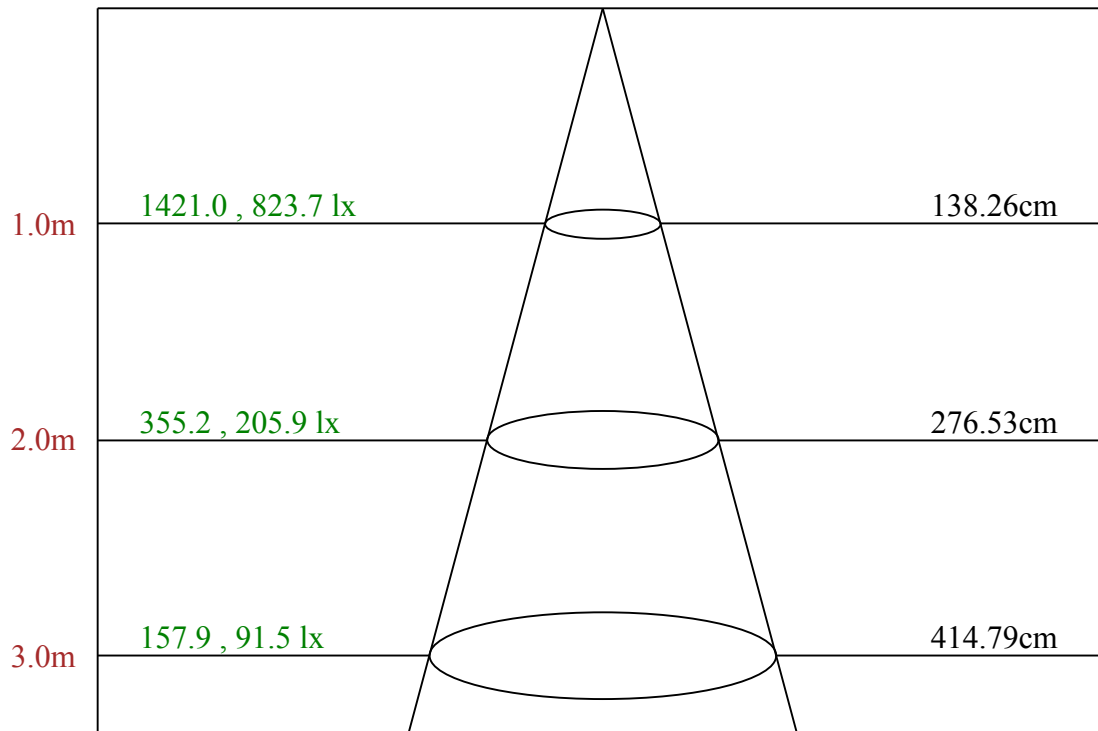
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 07/03/2025
Humidity(%): 60.0%

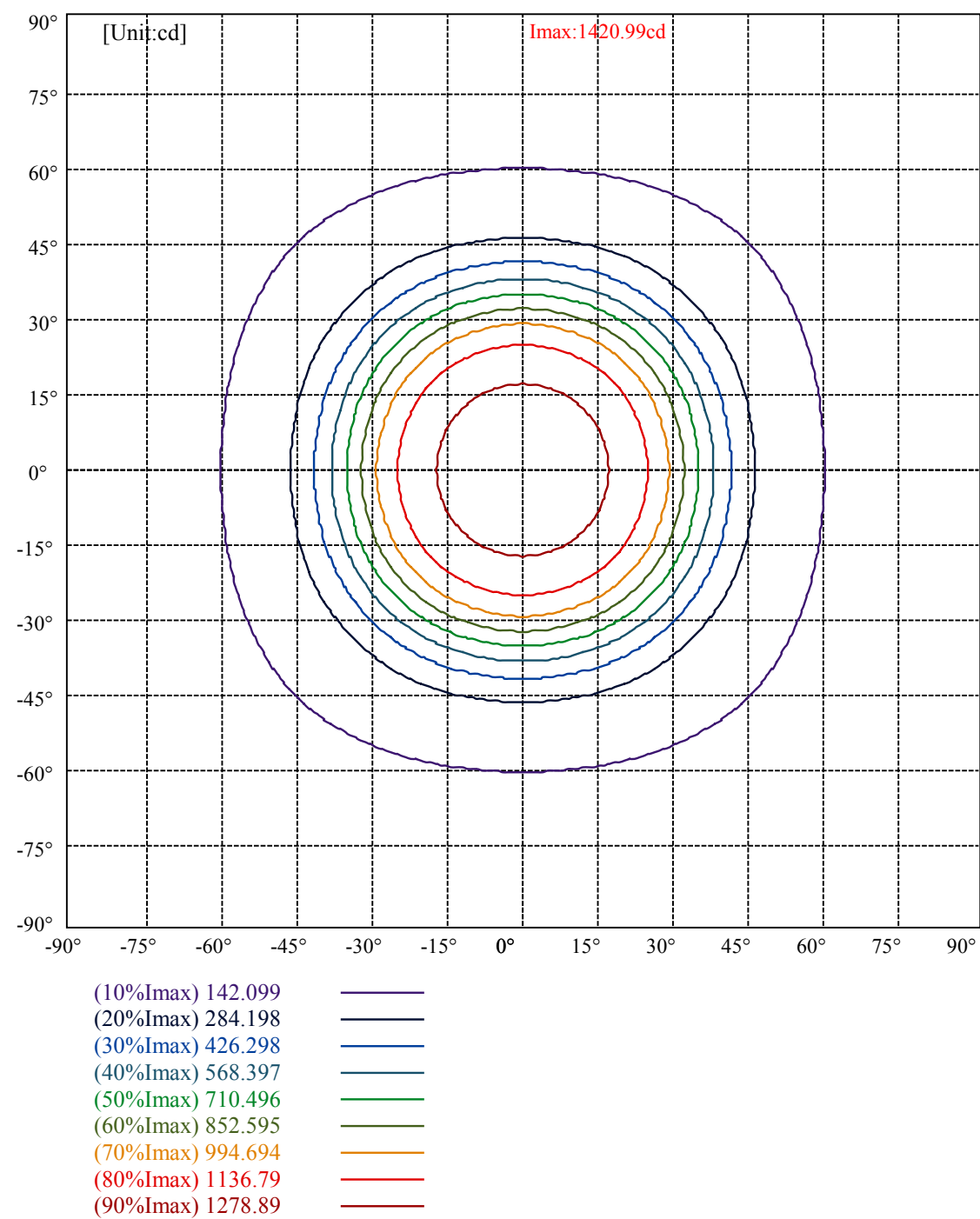
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 69.31



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	26198	18739	17099	17039	16639	16144	15515	14986	13662
C45	26198	18739	17099	17039	16639	16144	15515	14986	13662
C90	26198	18739	17099	17039	16639	16144	15515	14986	13662

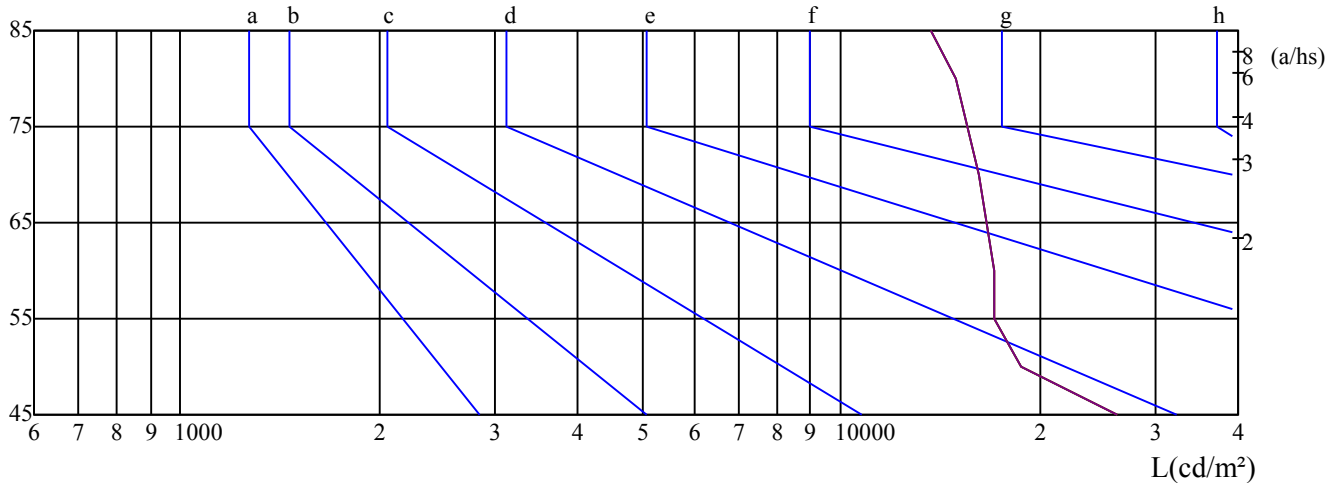
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
16639	16639	16639	15515	15515	15515	13662	13662	13662

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

$\gamma(^{\circ})$



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 25.5

Date: 07/03/2025
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	21.88	23.15	22.27	23.50	23.87	21.90	23.17	22.29	23.52	23.89
	3H	23.08	24.21	23.49	24.59	24.98	23.10	24.24	23.52	24.62	25.01
	4H	23.62	24.68	24.05	25.08	25.49	23.64	24.70	24.07	25.09	25.51
	6H	24.10	25.08	24.54	25.49	25.94	24.12	25.10	24.56	25.51	25.95
	8H	24.27	25.22	24.72	25.63	26.08	24.28	25.23	24.73	25.64	26.09
	12H	24.39	25.29	24.85	25.72	26.18	24.40	25.30	24.86	25.73	26.19
4H	2H	22.29	23.35	22.72	23.74	24.15	22.30	23.37	22.73	23.76	24.17
	3H	23.71	24.61	24.17	25.04	25.50	23.73	24.63	24.19	25.06	25.52
	4H	24.45	25.24	24.92	25.70	26.19	24.47	25.26	24.94	25.71	26.20
	6H	25.04	25.74	25.54	26.23	26.72	25.05	25.75	25.55	26.24	26.73
	8H	25.30	25.96	25.81	26.44	26.96	25.31	25.96	25.82	26.45	26.96
	12H	25.51	26.11	26.02	26.59	27.15	25.51	26.12	26.03	26.60	27.15
8H	4H	24.71	25.36	25.22	25.85	26.36	24.72	25.37	25.23	25.86	26.37
	6H	25.46	26.00	25.99	26.51	27.06	25.47	26.01	26.00	26.52	27.07
	8H	25.87	26.34	26.42	26.88	27.42	25.87	26.34	26.42	26.89	27.42
	12H	26.17	26.56	26.73	27.10	27.66	26.17	26.56	26.74	27.10	27.66
12H	4H	24.74	25.34	25.25	25.82	26.38	24.75	25.35	25.26	25.83	26.39
	6H	25.58	26.05	26.14	26.60	27.13	25.59	26.06	26.15	26.61	27.14
	8H	26.01	26.39	26.57	26.94	27.49	26.01	26.39	26.57	26.94	27.50
Variation with the observer position at spacings:											
S = 1.0H		0.7/-0.9					0.7/-0.9				
S = 1.5H		1.3/-1.0					1.3/-1.0				
S = 2.0H		2.2/-1.0					2.2/-1.0				
Standard tables:		BK3					BK3				
Uncorrected UGR		6.4					6.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25