



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: focus sm r e sr3 fm 6W 30K irc 90

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 180mA

Report No:

Voltage(V): 127.9000

Test No:

Current(A): 0.0590

Number of Lamps: 1

Power (W): 7.4970

Lamp flux(lm): 921.0

PF: 0.9960

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 737.05, Efficiency(%): 80.03% , Luminous Efficacy(lm/W): 98.31

Central intensity(cd): 3723.852, Maximum intensity(cd): 3723.852

Angle of maximum intensity: C=0.0 γ =0.0

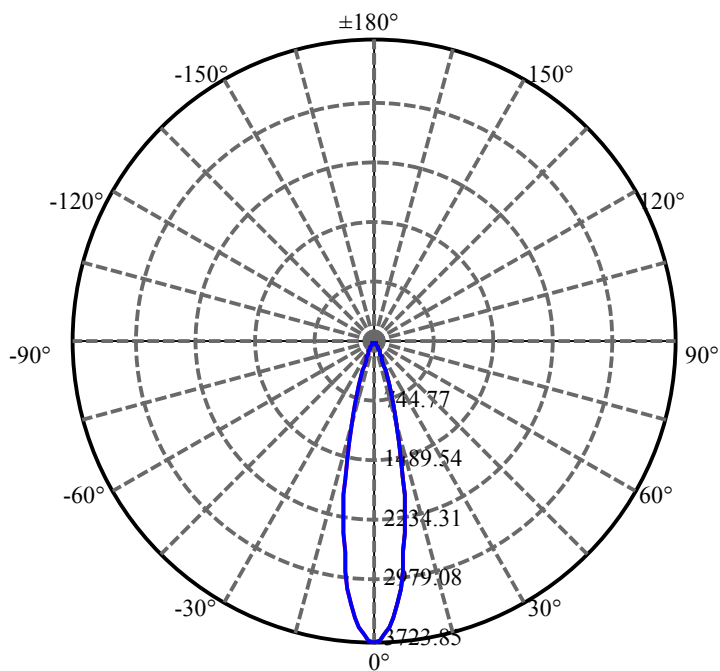
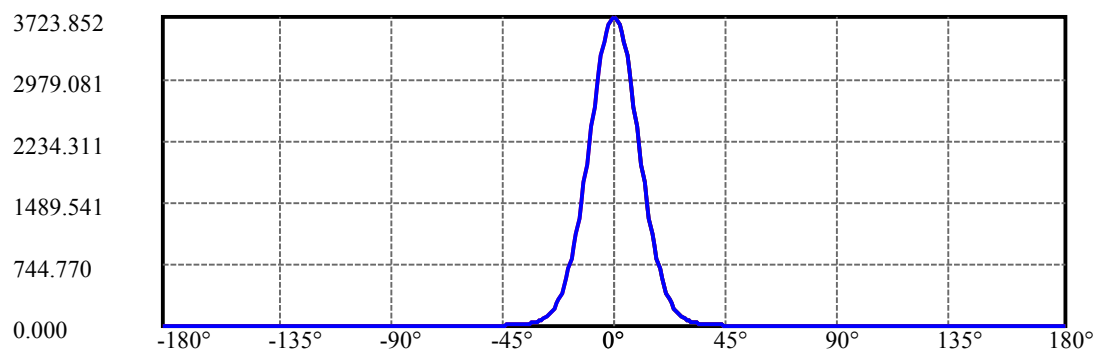
Beam angle of C0 plane : 22.72

Average BeamAngle(IEC 61341): 22.72

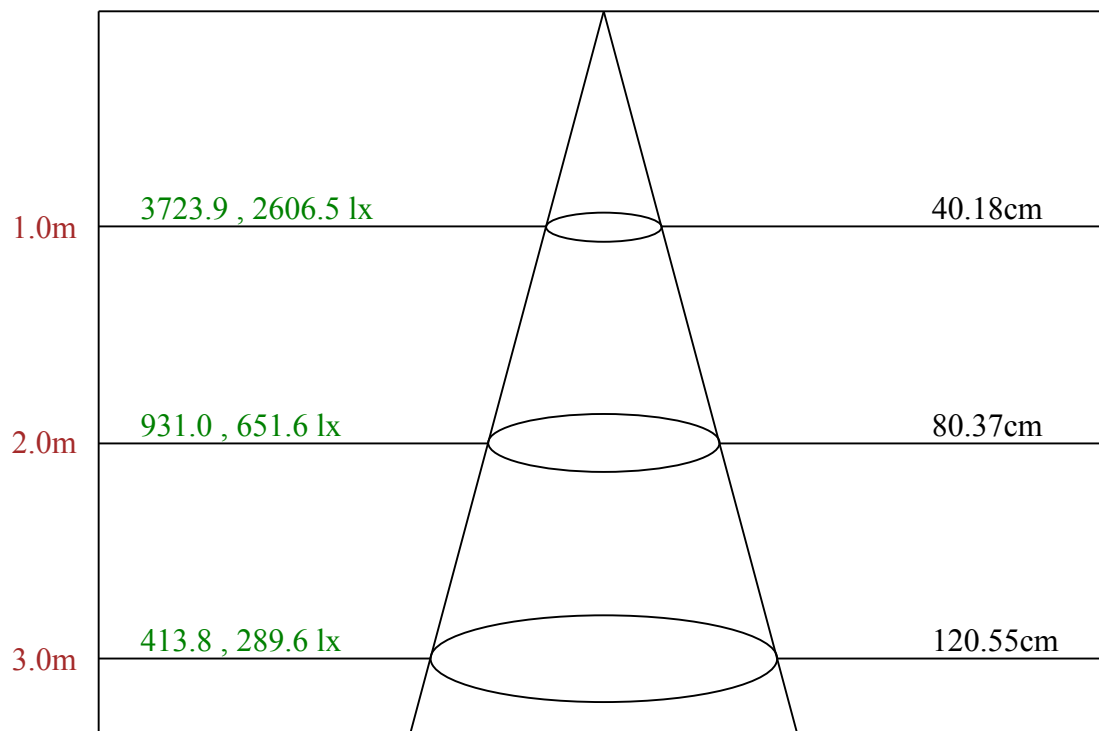
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 29/01/2026
Humidity(%): 55.0%

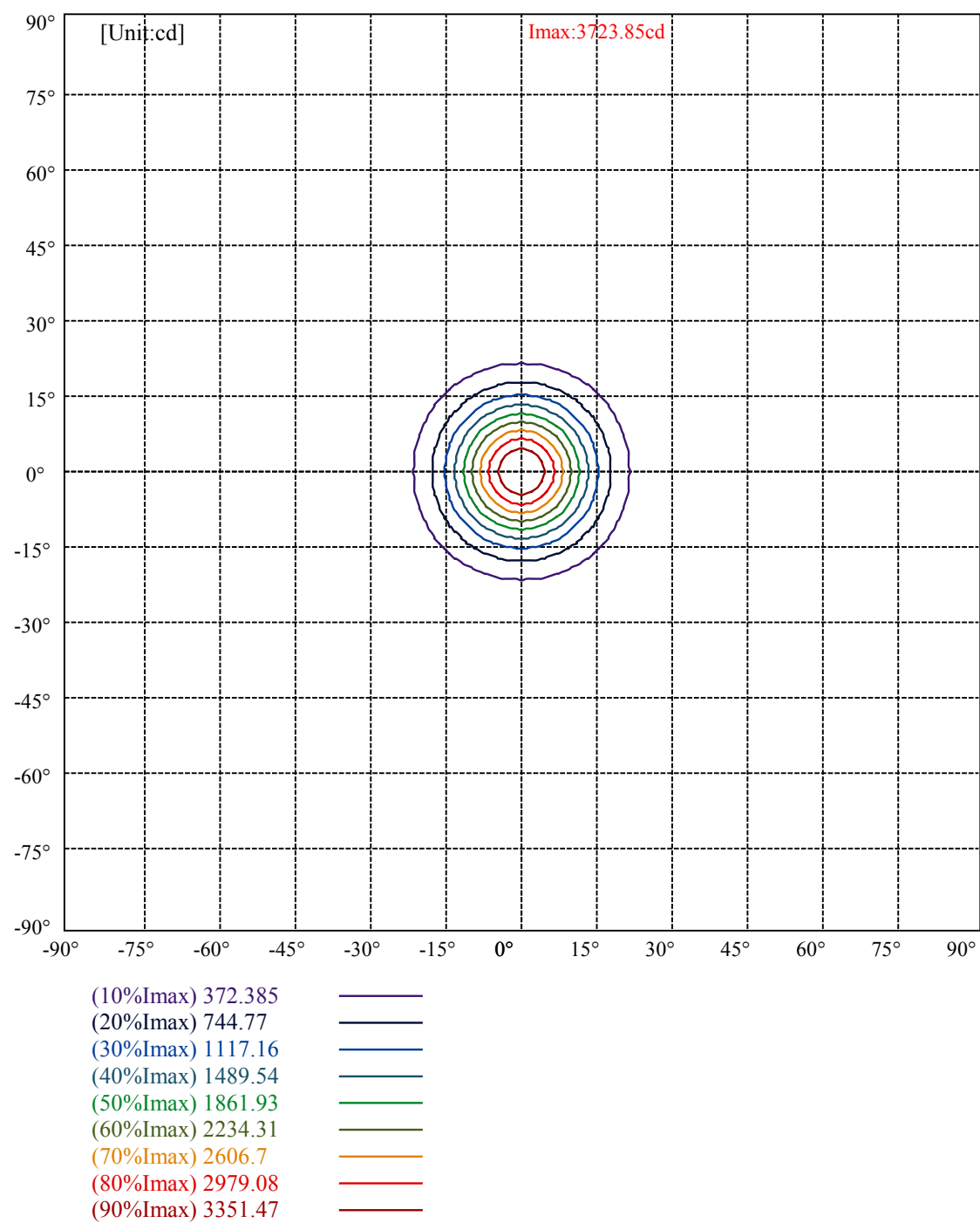
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 22.72



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	4516	3269	2819	2621	2472	2686	3436	5008	9977
C45	4516	3269	2819	2621	2472	2686	3436	5008	9977
C90	4516	3269	2819	2621	2472	2686	3436	5008	9977

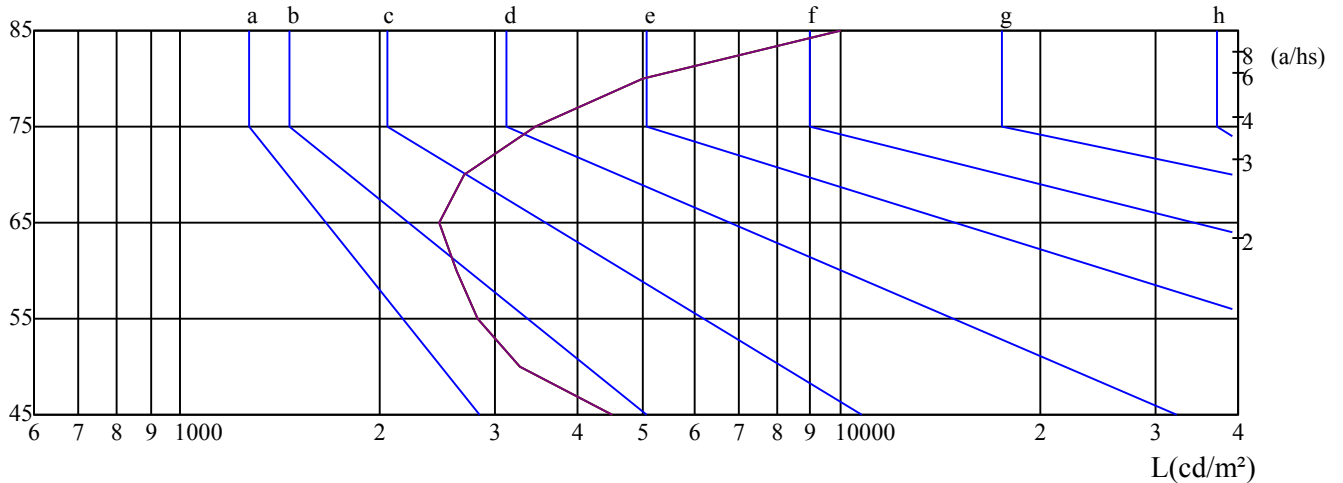
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2472	2472	2472	3436	3436	3436	9977	9977	9977

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): 25.5

Date: 29/01/2026
Humidity(%): 55.0%

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	8.77	9.67	9.18	10.04	10.41	8.21	9.11	8.62	9.47	9.85
	3H	9.39	10.19	9.83	10.58	10.99	8.95	9.75	9.38	10.13	10.54
	4H	9.96	10.70	10.41	11.10	11.53	9.59	10.33	10.04	10.74	11.17
	6H	10.91	11.59	11.37	12.01	12.47	10.63	11.31	11.10	11.73	12.19
	8H	11.57	12.22	12.04	12.65	13.12	11.34	11.99	11.81	12.42	12.89
	12H	12.43	13.04	12.90	13.48	13.96	12.25	12.86	12.72	13.30	13.78
4H	2H	8.82	9.56	9.27	9.97	10.39	8.32	9.06	8.76	9.46	9.89
	3H	9.69	10.31	10.16	10.76	11.23	9.32	9.95	9.79	10.39	10.87
	4H	10.55	11.09	11.03	11.56	12.06	10.27	10.81	10.75	11.28	11.79
	6H	11.78	12.26	12.30	12.76	13.26	11.59	12.06	12.10	12.56	13.07
	8H	12.66	13.10	13.19	13.60	14.13	12.50	12.94	13.03	13.44	13.97
	12H	13.75	14.15	14.28	14.65	15.22	13.63	14.03	14.16	14.53	15.11
8H	4H	10.88	11.32	11.41	11.82	12.35	10.64	11.08	11.17	11.58	12.11
	6H	12.43	12.79	12.98	13.32	13.88	12.29	12.65	12.83	13.17	13.74
	8H	13.59	13.89	14.16	14.45	15.00	13.47	13.77	14.04	14.33	14.88
	12H	14.94	15.17	15.52	15.73	16.30	14.86	15.08	15.44	15.64	16.22
12H	4H	10.99	11.39	11.52	11.89	12.47	10.76	11.17	11.29	11.66	12.24
	6H	12.72	13.02	13.29	13.58	14.13	12.58	12.88	13.16	13.44	14.00
	8H	13.95	14.18	14.53	14.74	15.31	13.84	14.07	14.43	14.63	15.21
Variation with the observer position at spacings:											
S = 1.0H		1.9/-1.3					1.9/-1.3				
S = 1.5H		2.3/-1.3					2.3/-1.3				
S = 2.0H		2.6/-1.2					2.6/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.0					-3.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25