



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: no frame difusa sm a e

LampCAT: modulo led 6.5W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.9000

Test No:

Current(A): 0.0650

Number of Lamps: 1

Power (W): 7.9810

Lamp flux(lm): 938.0

PF: 0.9640

Length(mm): 81

Width(mm): 81

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 477.44, Efficiency(%): 50.90% , Luminous Efficacy(lm/W): 59.82

Central intensity(cd): 231.147, Maximum intensity(cd): 231.147

Angle of maximum intensity: C=0.0 γ =0.0

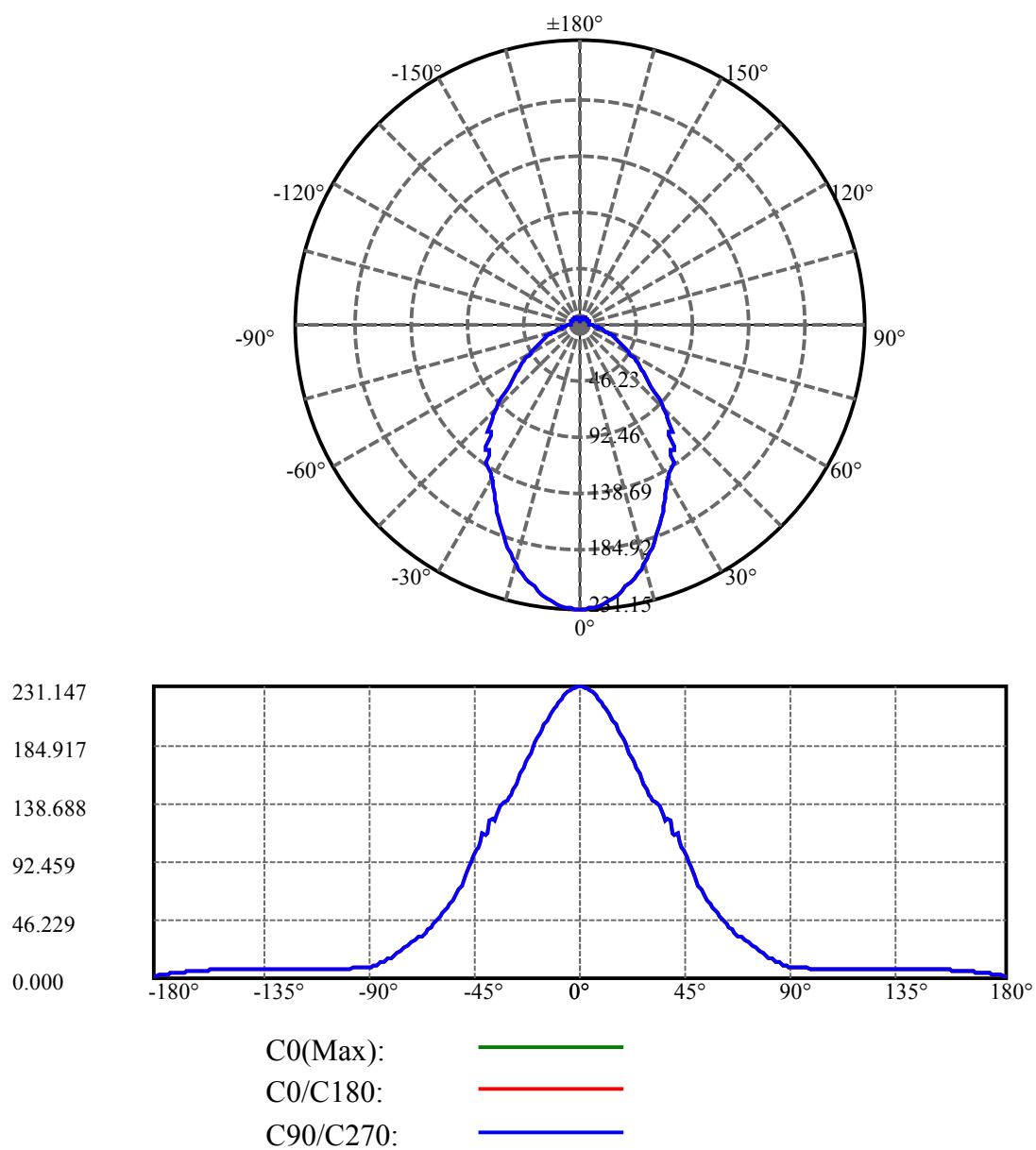
Beam angle of C0 plane : 77.90

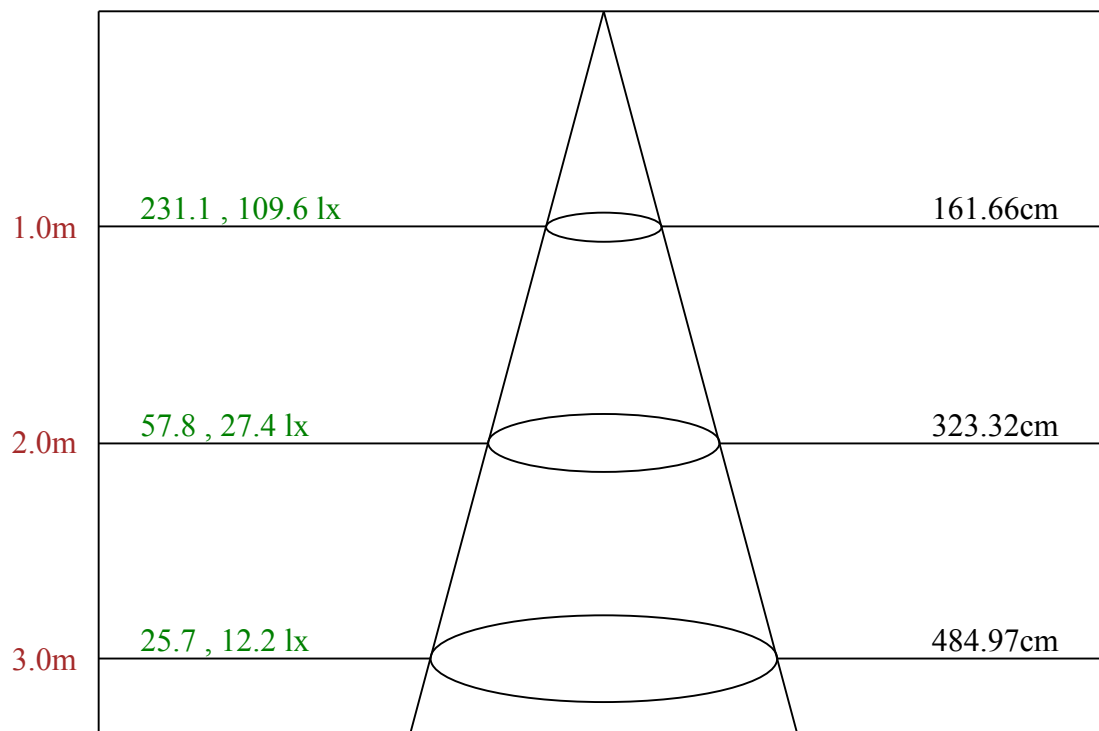
Aveage BeamAngle(IEC 61341):77.90

Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 02/06/2025
Humidity(%): 58.0%

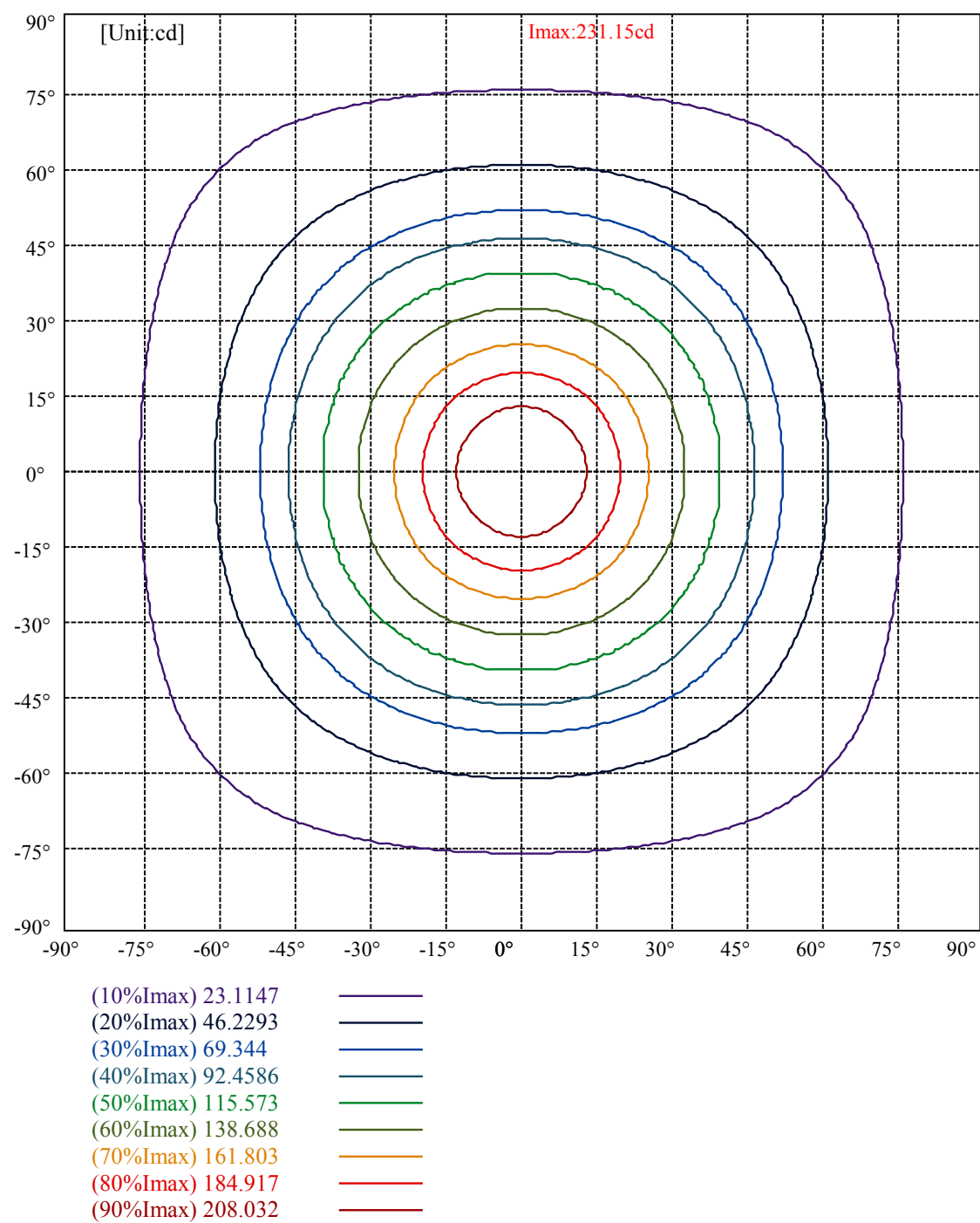
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 77.90



Luminance Table

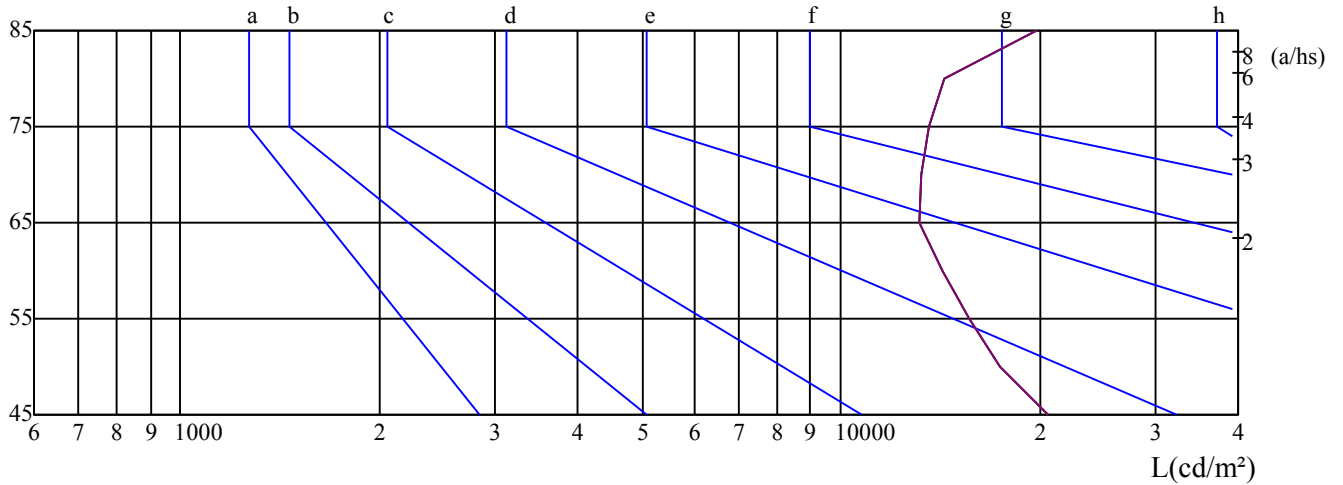
γ	45	50	55	60	65	70	75	80	85
C0	20648	17422	15673	14243	13193	13231	13601	14349	19774
C45	20648	17422	15673	14243	13193	13231	13601	14349	19774
C90	20648	17422	15673	14243	13193	13231	13601	14349	19774

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
13193	13193	13193	13601	13601	13601	19774	19774	19774

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	20.42	21.76	20.92	22.25	22.79	21.62	22.96	22.12	23.45	23.99
	3H	21.73	22.94	22.25	23.46	24.02	22.97	24.18	23.50	24.70	25.26
	4H	22.29	23.42	22.82	23.95	24.53	23.60	24.74	24.14	25.26	25.84
	6H	22.80	23.85	23.35	24.39	25.00	24.23	25.28	24.78	25.82	26.43
	8H	22.98	24.00	23.53	24.54	25.16	24.54	25.56	25.09	26.10	26.72
	12H	23.14	24.11	23.70	24.67	25.29	24.87	25.85	25.43	26.40	27.03
4H	2H	21.07	22.20	21.60	22.73	23.31	22.02	23.16	22.56	23.69	24.27
	3H	22.63	23.60	23.19	24.15	24.78	23.64	24.61	24.20	25.17	25.79
	4H	23.40	24.26	23.98	24.84	25.49	24.48	25.34	25.06	25.92	26.57
	6H	24.02	24.79	24.62	25.39	26.04	25.25	26.02	25.85	26.62	27.26
	8H	24.30	25.02	24.91	25.62	26.29	25.67	26.39	26.29	27.00	27.66
	12H	24.55	25.22	25.17	25.82	26.52	26.14	26.81	26.76	27.41	28.11
8H	4H	23.83	24.55	24.44	25.15	25.82	24.77	25.49	25.38	26.09	26.76
	6H	24.65	25.25	25.27	25.87	26.57	25.72	26.32	26.34	26.94	27.64
	8H	25.10	25.63	25.75	26.28	26.97	26.33	26.86	26.98	27.51	28.20
	12H	25.47	25.92	26.13	26.58	27.29	26.95	27.40	27.61	28.06	28.76
12H	4H	23.91	24.57	24.52	25.17	25.88	24.80	25.47	25.42	26.07	26.77
	6H	24.85	25.38	25.50	26.03	26.72	25.86	26.39	26.50	27.04	27.73
	8H	25.33	25.78	25.99	26.44	27.14	26.49	26.94	27.15	27.60	28.30
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.5					0.2/-0.5				
S = 1.5H		0.5/-0.8					0.5/-0.8				
S = 2.0H		0.7/-0.9					0.7/-0.9				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		10.5					10.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25