



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 cob e fm

LampCAT: modulo led 25W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.2660

Number of Lamps: 1

Power (W): 28.1900

Lamp flux(lm): 2800.0

PF: 0.9800

Length(mm): 130

Width(mm): 130

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2079.85, Efficiency(%): 74.28% , Luminous Efficacy(lm/W): 73.78

Central intensity(cd): 9696.205, Maximum intensity(cd): 9696.205

Angle of maximum intensity: C=0.0 γ =0.0

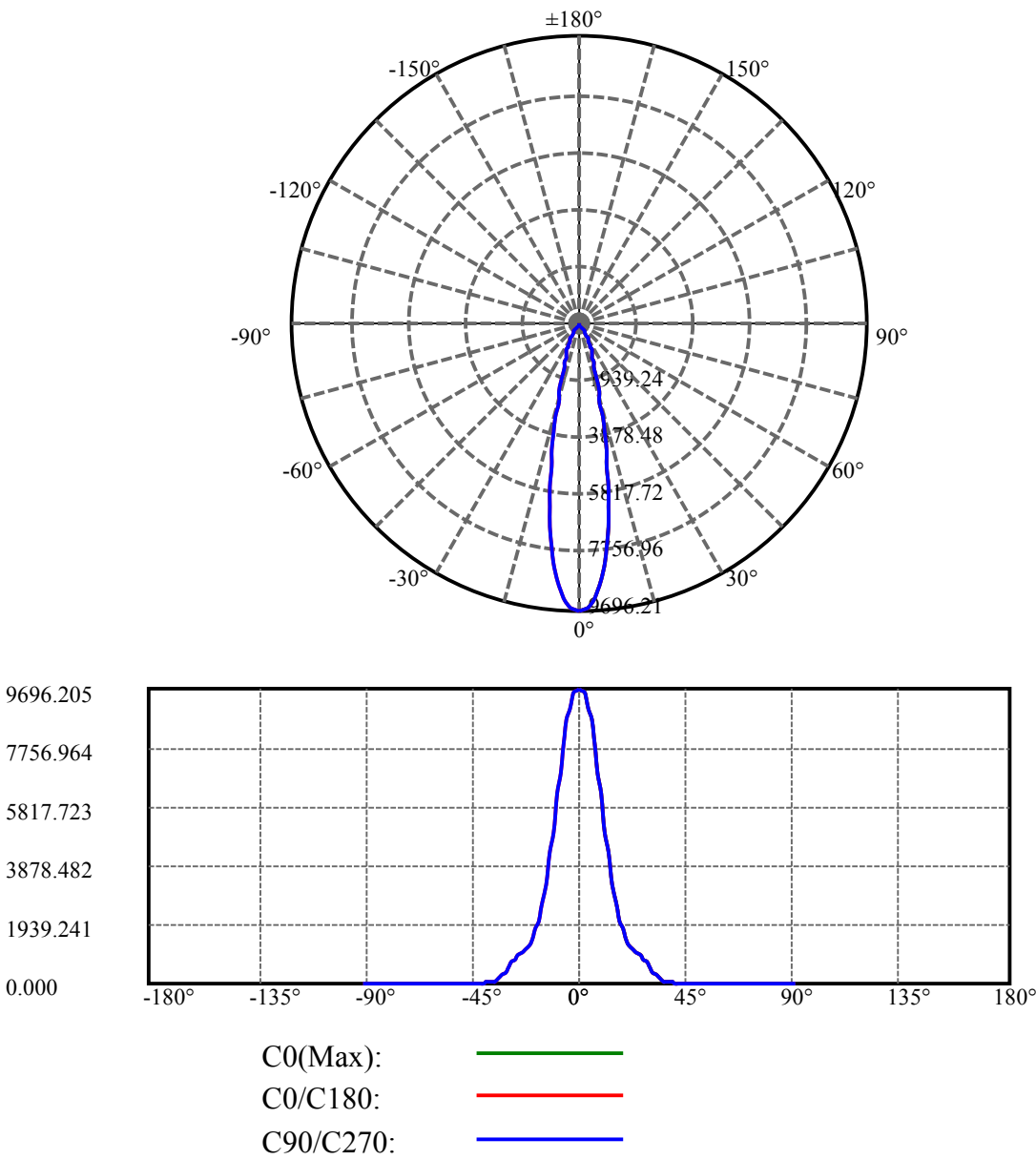
Beam angle of C0 plane : 22.31

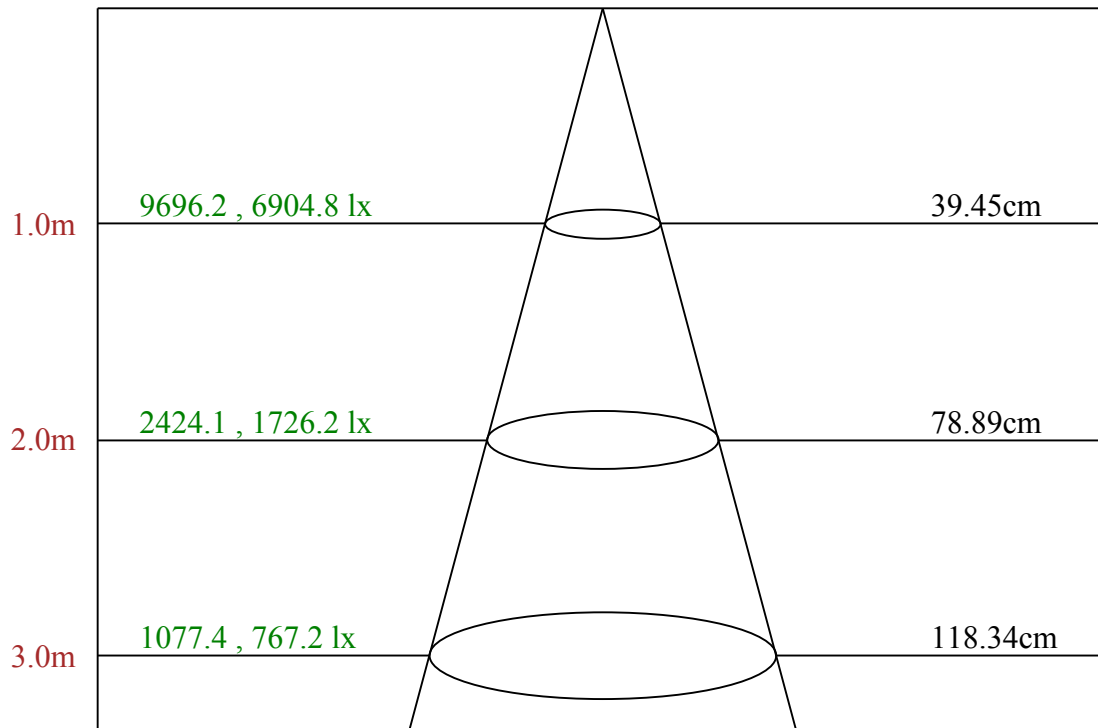
Aveage BeamAngle(IEC 61341):22.31

Equipment: equipamento lumini
Temperature(°C): 25.5

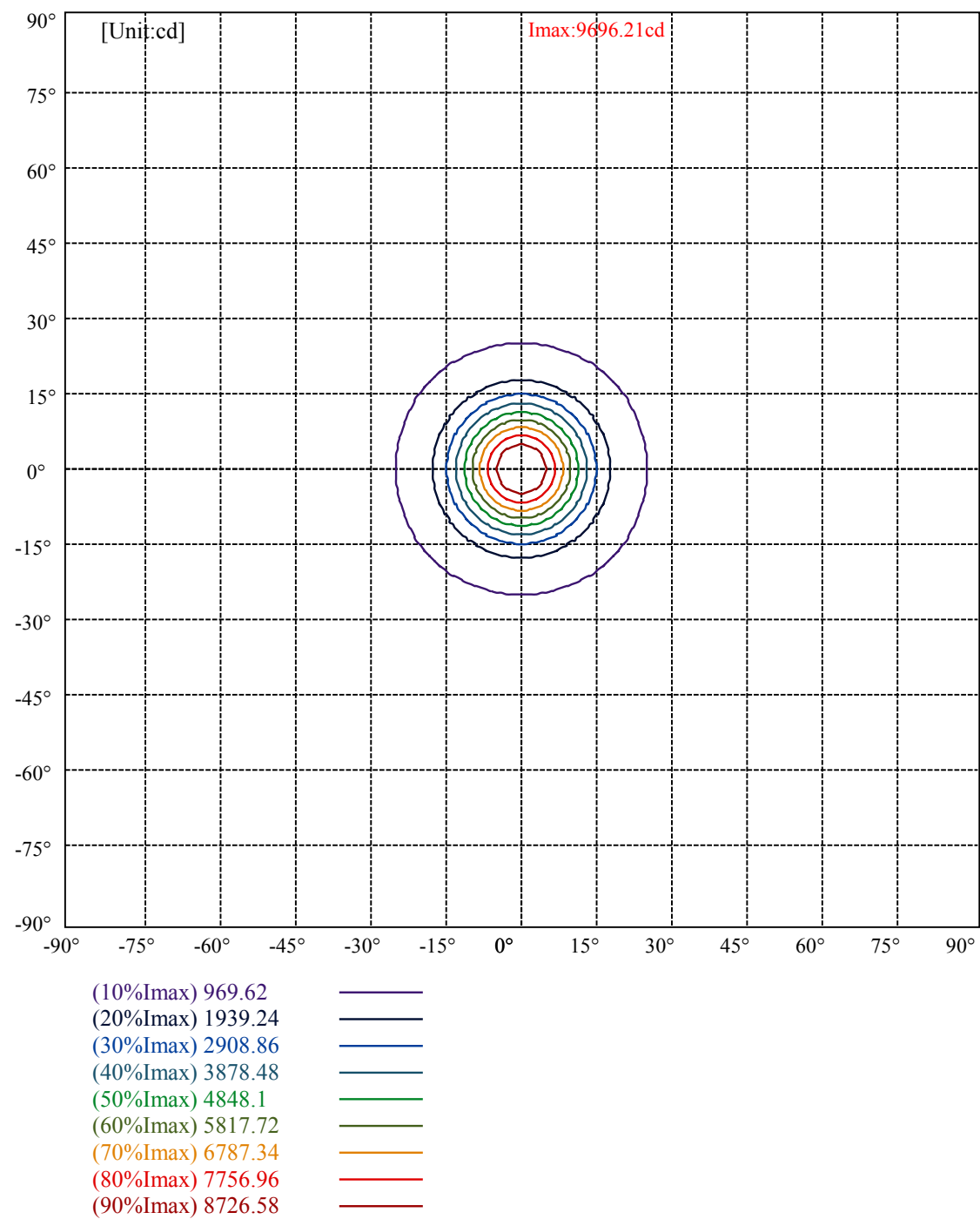
Date: 18/09/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 22.31



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	1434	1201	1184	1149	1073	1112	1927	2563	4234
C45	1434	1201	1184	1149	1073	1112	1927	2563	4234
C90	1434	1201	1184	1149	1073	1112	1927	2563	4234

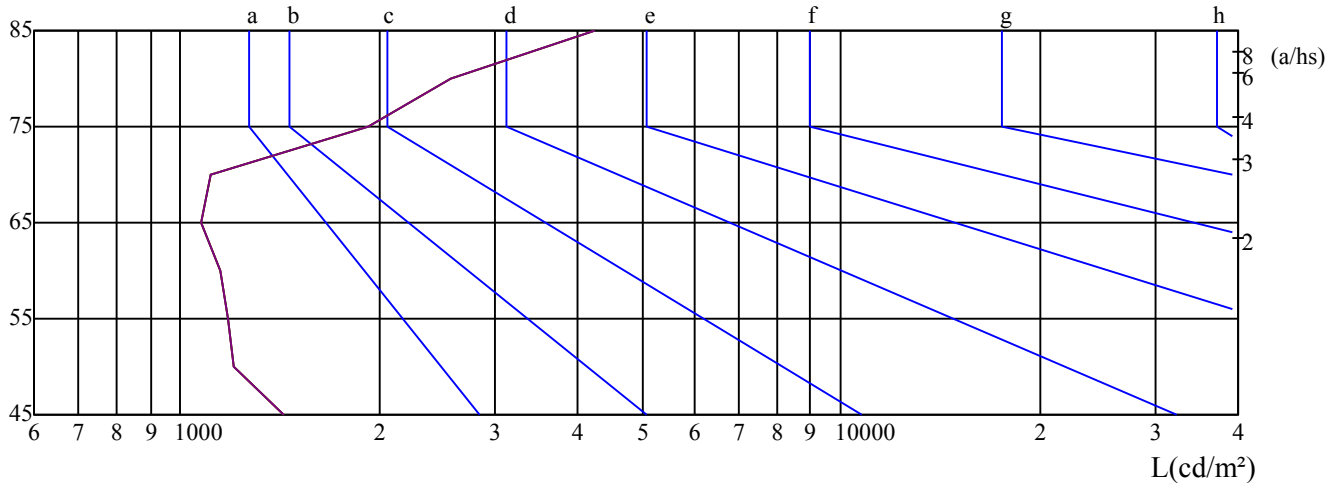
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1073	1073	1073	1927	1927	1927	4234	4234	4234

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: 18/09/2024
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	7.42	8.33	7.79	8.64	8.96	7.42	8.33	7.79	8.64	8.96
	3H	7.67	8.48	8.06	8.82	9.17	7.67	8.48	8.06	8.82	9.17
	4H	8.19	8.94	8.60	9.30	9.67	8.19	8.94	8.60	9.30	9.67
	6H	9.08	9.77	9.50	10.14	10.54	9.08	9.77	9.50	10.14	10.54
	8H	9.58	10.23	10.00	10.62	11.03	9.58	10.23	10.00	10.62	11.03
	12H	10.16	10.78	10.59	11.18	11.60	10.16	10.78	10.59	11.18	11.60
4H	2H	7.29	8.04	7.69	8.40	8.77	7.29	8.04	7.69	8.40	8.77
	3H	7.72	8.35	8.14	8.74	9.16	7.72	8.35	8.14	8.74	9.16
	4H	8.61	9.15	9.04	9.57	10.02	8.61	9.15	9.04	9.57	10.02
	6H	9.80	10.28	10.28	10.74	11.19	9.80	10.28	10.28	10.74	11.19
	8H	10.50	10.94	10.99	11.40	11.88	10.50	10.94	10.99	11.40	11.88
	12H	11.29	11.70	11.78	12.15	12.67	11.29	11.70	11.78	12.15	12.67
8H	4H	8.92	9.37	9.41	9.83	10.30	8.92	9.37	9.41	9.83	10.30
	6H	10.41	10.77	10.92	11.26	11.77	10.41	10.77	10.92	11.26	11.77
	8H	11.34	11.64	11.87	12.16	12.66	11.34	11.64	11.87	12.16	12.66
	12H	12.36	12.58	12.90	13.10	13.63	12.36	12.58	12.90	13.10	13.63
12H	4H	9.02	9.43	9.51	9.88	10.40	9.02	9.43	9.51	9.88	10.40
	6H	10.65	10.95	11.18	11.47	11.97	10.65	10.95	11.18	11.47	11.97
	8H	11.63	11.86	12.17	12.37	12.90	11.63	11.86	12.17	12.37	12.90
Variation with the observer position at spacings:											
S = 1.0H		4.9/-3.3					4.9/-3.3				
S = 1.5H		5.8/-2.4					5.8/-2.4				
S = 2.0H		6.5/-1.4					6.5/-1.4				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.8					-4.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25