



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

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## lumini

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LumCAT:

Luminaire: focal p fm

LampCAT: modulo led 15.5W 30K irc90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 128.3000

Test No:

Current(A): 0.1220

Number of Lamps: 1

Power (W): 15.6530

Lamp flux(lm): 1265.0

PF: 0.9867

Length(mm): 94

Width(mm): 94

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 1017.40, Efficiency(%): 80.43% , Luminous Efficacy(lm/W): 65.00

Central intensity(cd): 3407.305, Maximum intensity(cd): 3407.305

Angle of maximum intensity:  $C=0.0$   $\gamma=0.0$

Beam angle of C0 plane : 31.94

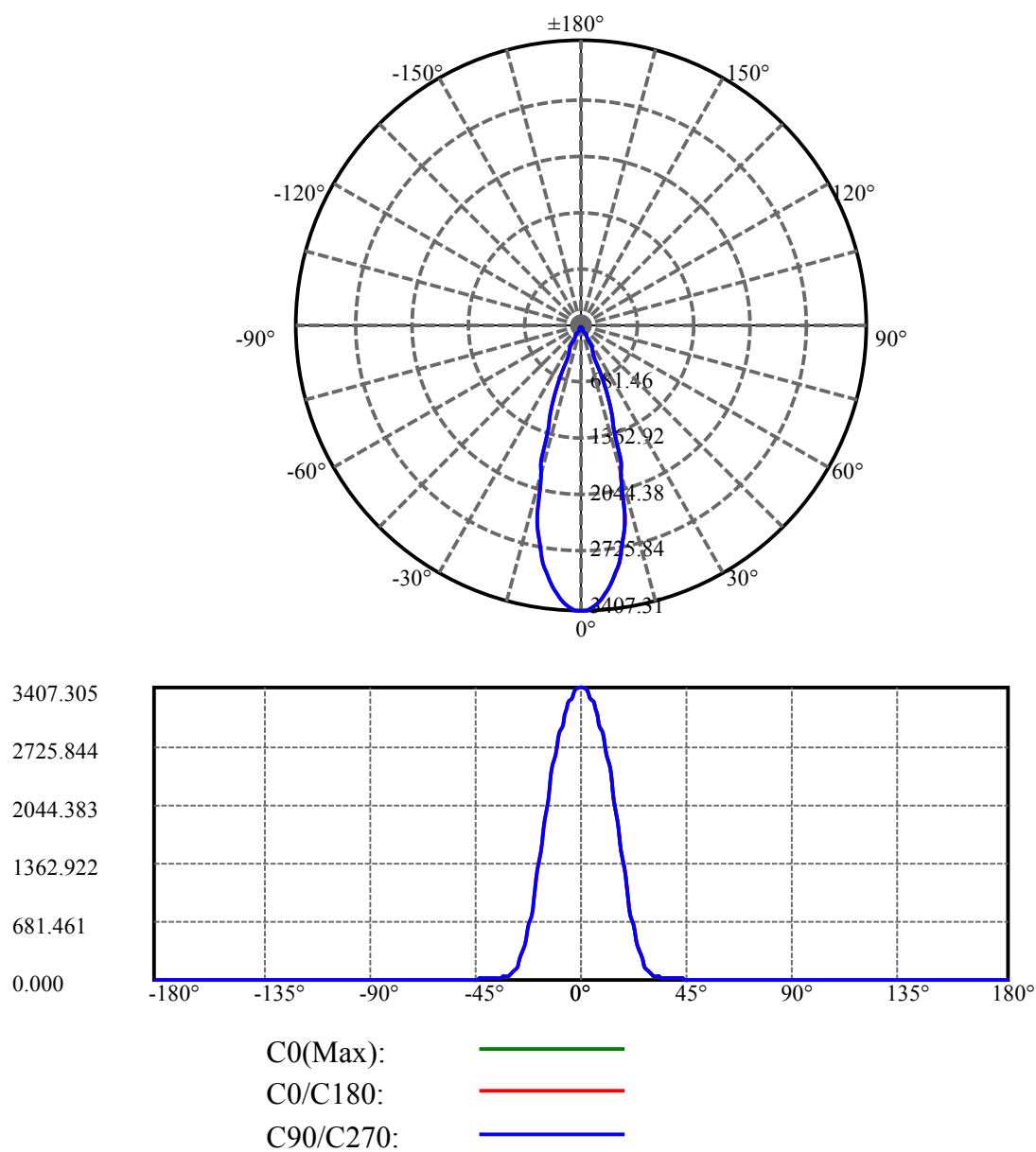
Average BeamAngle(IEC 61341): 31.94

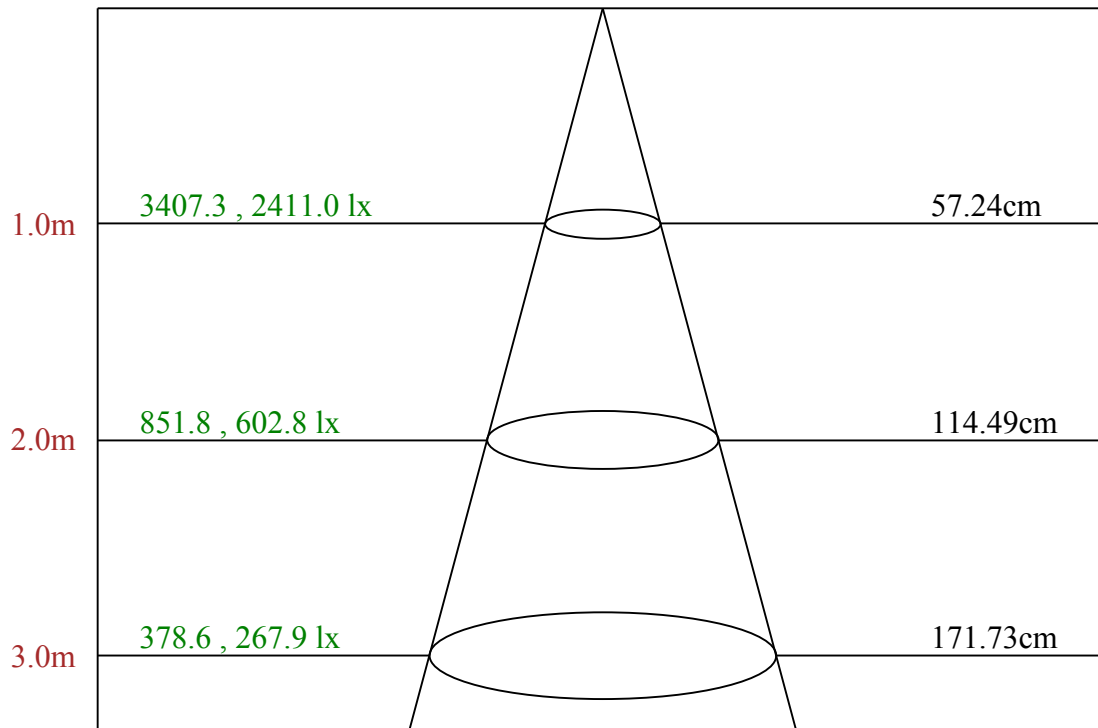
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Equipment: equipamento lumini  
Temperature(°C): 23.5

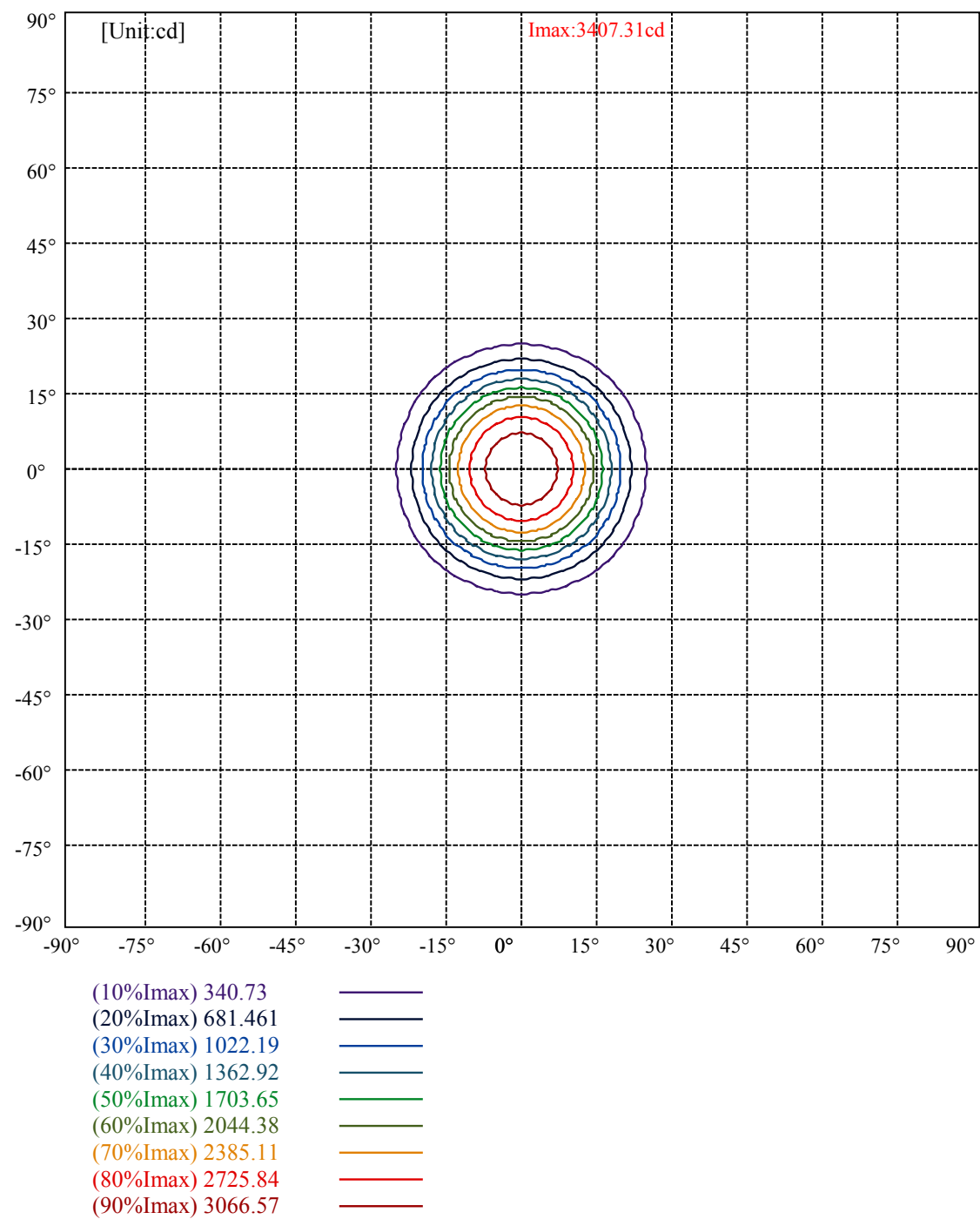
Date: 22/11/2024  
Humidity(%): 79.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 31.94



## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	1510	1018	867	853	939	1130	1478	2180	4312
C45	1510	1018	867	853	939	1130	1478	2180	4312
C90	1510	1018	867	853	939	1130	1478	2180	4312

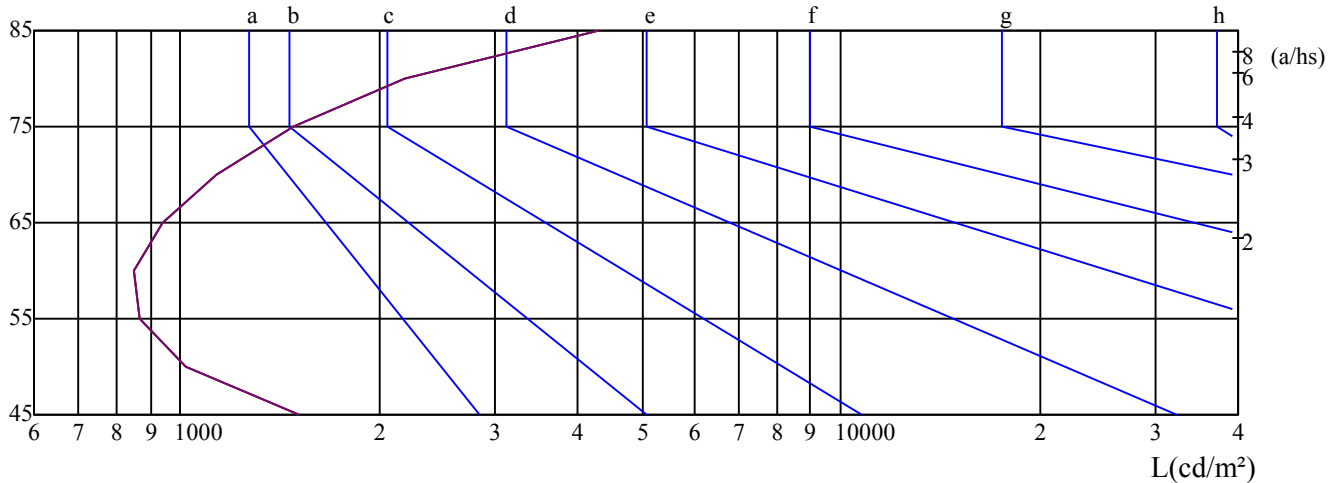
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
939	939	939	1478	1478	1478	4312	4312	4312

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini  
Temperature( $^{\circ}\text{C}$ ): 23.5

Date: 22/11/2024  
Humidity(%): 79.0%

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	3.43	4.32	3.84	4.68	5.05	2.70	3.59	3.11	3.95	4.33
	3H	4.50	5.30	4.93	5.68	6.08	3.98	4.78	4.41	5.16	5.56
	4H	5.44	6.17	5.88	6.57	6.99	5.03	5.77	5.47	6.17	6.59
	6H	6.80	7.47	7.26	7.89	8.35	6.53	7.20	6.99	7.63	8.08
	8H	7.67	8.31	8.13	8.74	9.20	7.46	8.10	7.92	8.53	8.99
	12H	8.72	9.32	9.19	9.76	10.23	8.53	9.14	9.00	9.58	10.05
4H	2H	3.55	4.28	3.99	4.68	5.11	2.92	3.66	3.37	4.06	4.48
	3H	4.99	5.61	5.46	6.05	6.52	4.59	5.20	5.05	5.64	6.11
	4H	6.26	6.80	6.74	7.26	7.76	5.97	6.50	6.45	6.97	7.47
	6H	7.90	8.38	8.42	8.87	9.37	7.72	8.20	8.24	8.69	9.19
	8H	8.96	9.40	9.49	9.90	10.42	8.82	9.26	9.35	9.76	10.28
	12H	10.21	10.61	10.74	11.10	11.67	10.08	10.48	10.61	10.97	11.54
8H	4H	6.74	7.17	7.26	7.67	8.20	6.50	6.93	7.02	7.43	7.96
	6H	8.70	9.06	9.24	9.57	10.14	8.57	8.92	9.11	9.44	10.00
	8H	10.01	10.31	10.59	10.87	11.42	9.91	10.21	10.48	10.77	11.31
	12H	11.51	11.73	12.09	12.29	12.86	11.41	11.63	11.99	12.19	12.76
12H	4H	6.90	7.30	7.42	7.79	8.36	6.67	7.07	7.20	7.56	8.13
	6H	9.02	9.32	9.59	9.88	10.42	8.90	9.20	9.47	9.76	10.30
	8H	10.41	10.64	10.99	11.19	11.77	10.32	10.54	10.90	11.10	11.67
Variation with the observer position at spacings:											
S = 1.0H		1.4/-1.2					1.4/-1.2				
S = 1.5H		1.4/-1.3					1.4/-1.3				
S = 2.0H		1.5/-1.2					1.5/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-7.4					-7.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25