



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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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fm

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.1100

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.3390

Lamp flux(lm): 1460.0

PF: 0.9860

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1302.47, Efficiency(%): 89.21% , Luminous Efficacy(lm/W): 90.83

Central intensity(cd): 3921.576, Maximum intensity(cd): 3921.576

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

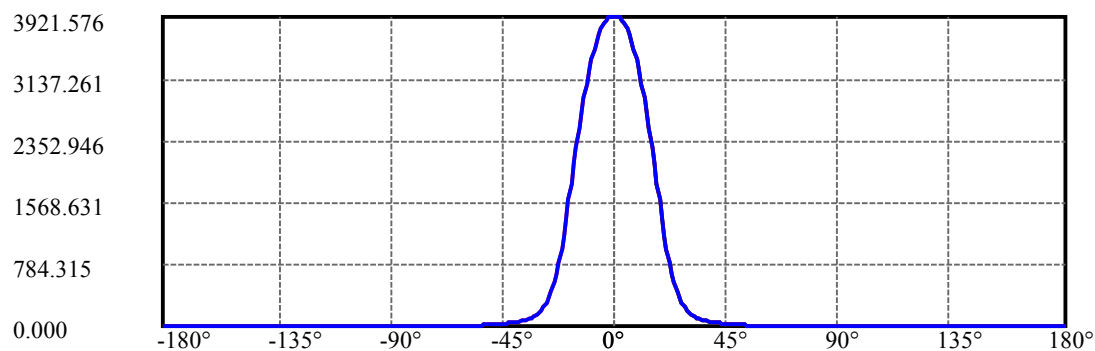
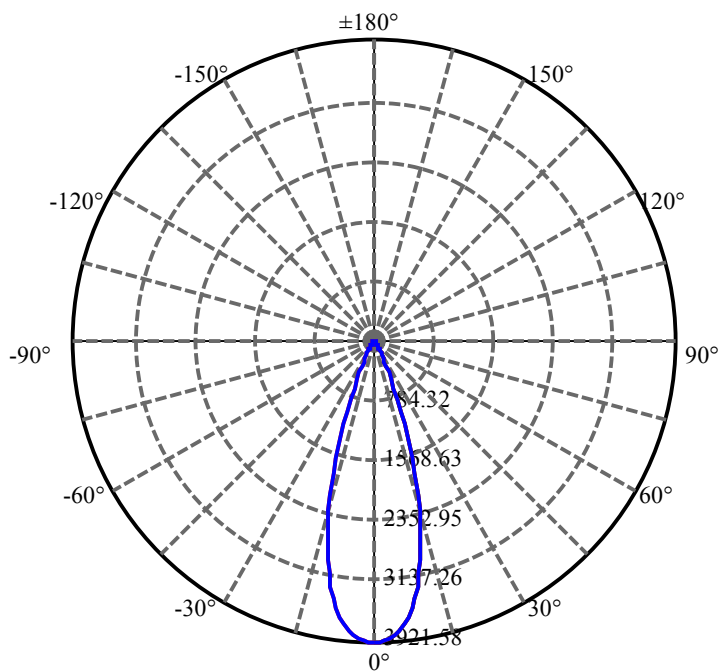
Beam angle of C0 plane : 32.87

Aveage BeamAngle(IEC 61341):32.87

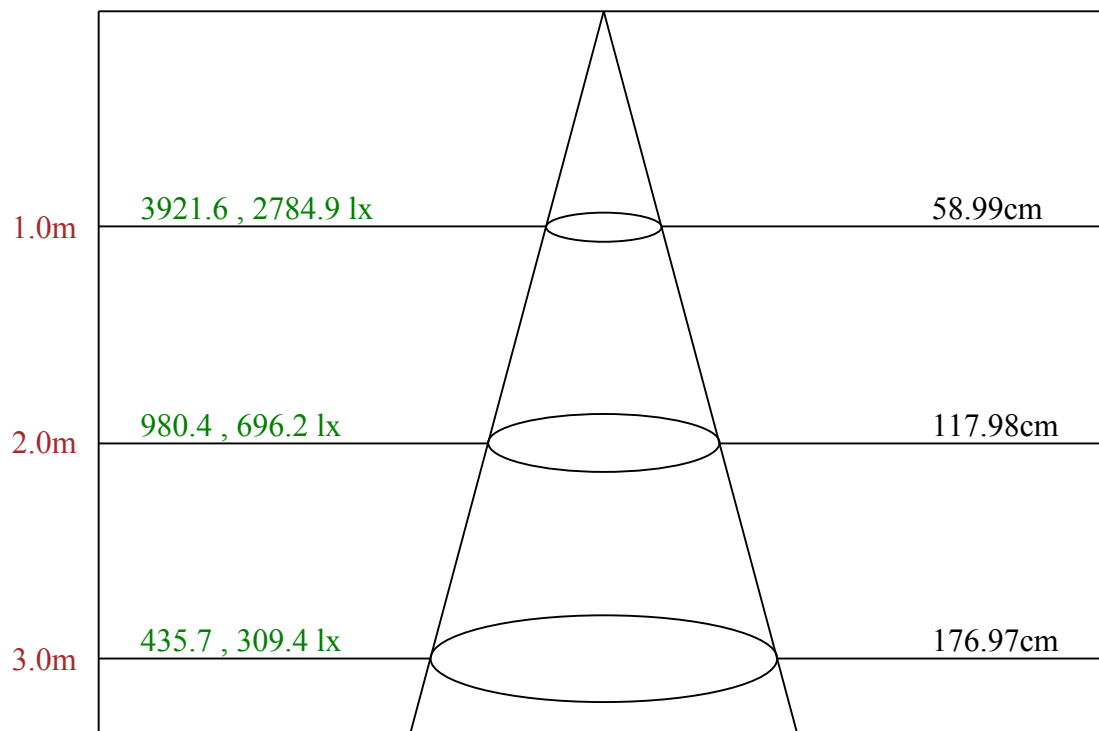
Equipment: equipamento lumini
Temperature(°C): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

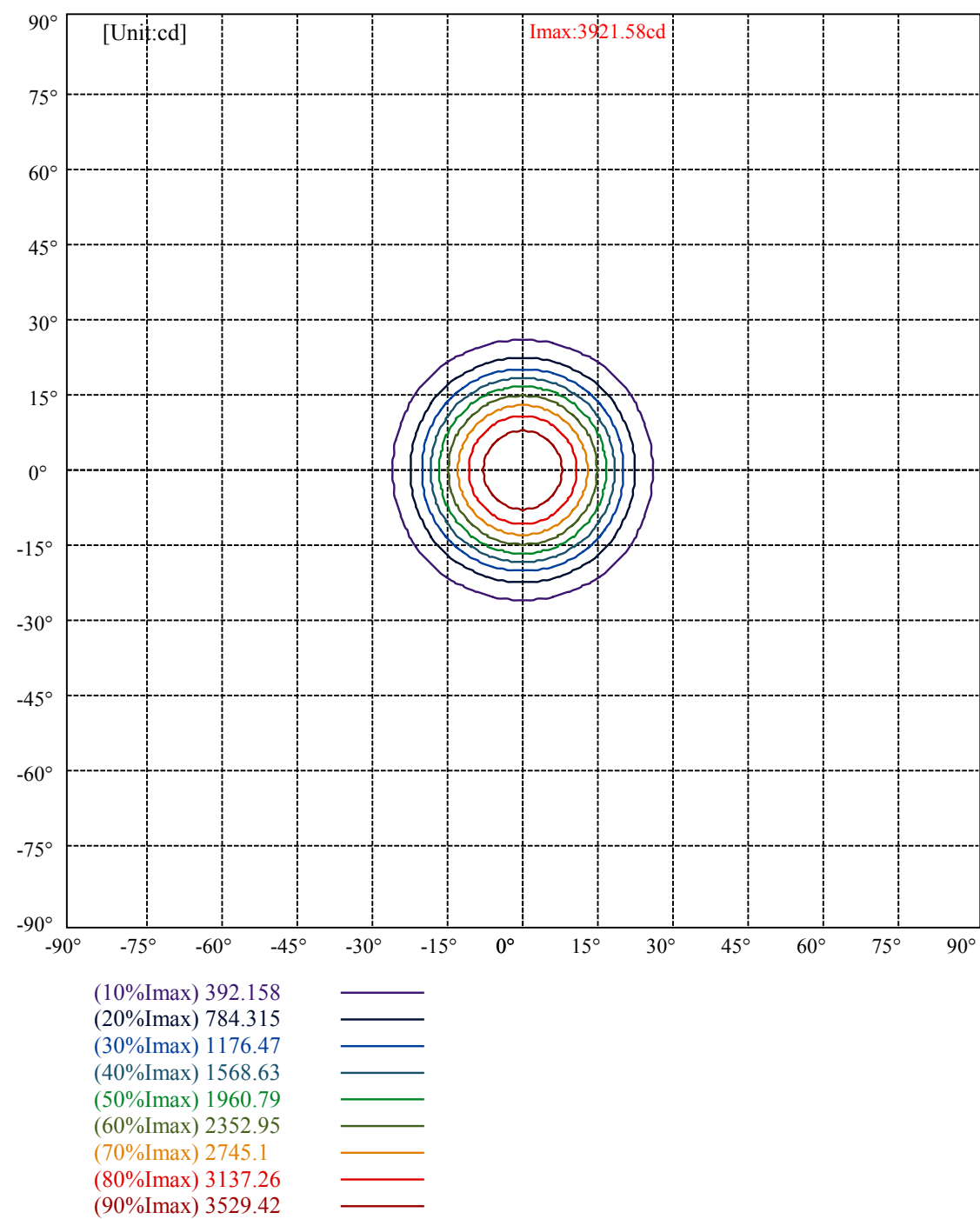
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 32.87



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Luminance Limiting Curve(no luminous side)

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Luminance Table

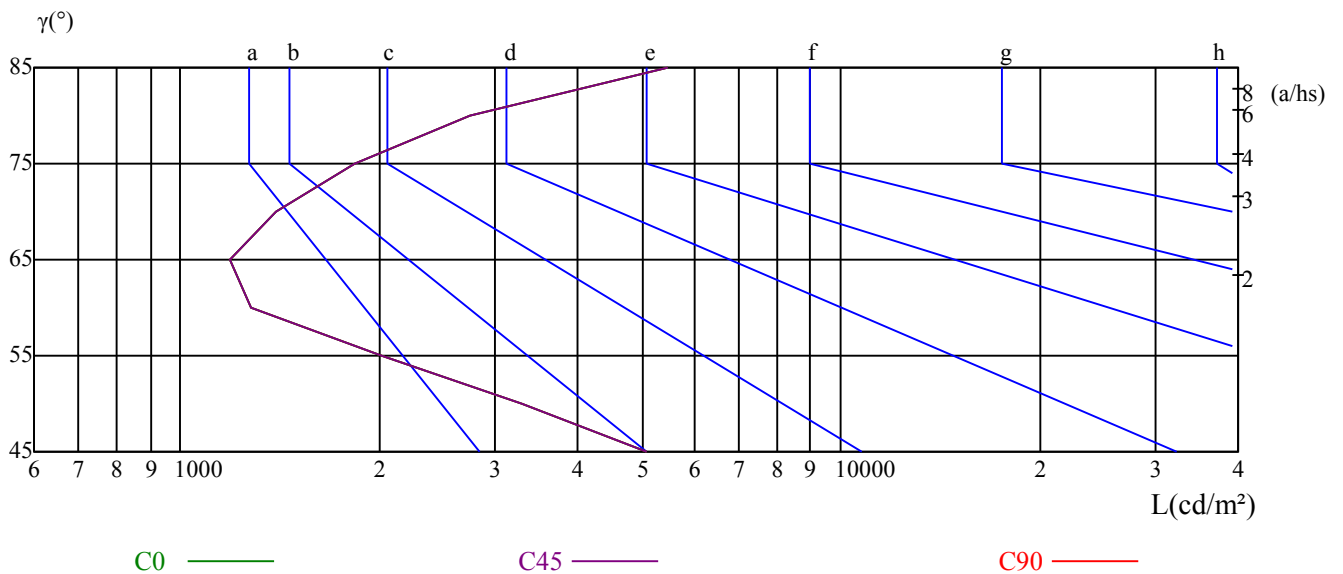
γ	45	50	55	60	65	70	75	80	85
C0	5085	3279	2010	1280	1190	1396	1842	2737	5463
C45	5085	3279	2010	1280	1190	1396	1842	2737	5463
C90	5085	3279	2010	1280	1190	1396	1842	2737	5463

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1190	1190	1190	1842	1842	1842	5463	5463	5463

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



Equipment: equipamento lumini
Temperature($^{\circ}$ C): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

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	9.15	10.06	9.55	10.41	10.78	10.37	11.27	10.77	11.63	12.00
	3H	9.23	10.04	9.66	10.42	10.82	10.36	11.17	10.79	11.55	11.95
	4H	9.45	10.19	9.89	10.59	11.01	10.49	11.23	10.93	11.63	12.05
	6H	9.94	10.62	10.39	11.04	11.48	10.83	11.51	11.28	11.93	12.38
	8H	10.31	10.96	10.77	11.39	11.84	11.10	11.75	11.56	12.18	12.64
	12H	10.87	11.48	11.33	11.92	12.39	11.54	12.16	12.01	12.59	13.06
4H	2H	8.97	9.72	9.41	10.11	10.53	10.14	10.88	10.58	11.28	11.70
	3H	9.17	9.80	9.63	10.23	10.70	10.21	10.84	10.68	11.27	11.74
	4H	9.59	10.14	10.07	10.60	11.10	10.51	11.05	10.98	11.51	12.01
	6H	10.33	10.80	10.84	11.30	11.80	11.05	11.53	11.56	12.02	12.52
	8H	10.92	11.37	11.45	11.86	12.38	11.53	11.97	12.05	12.46	12.99
	12H	11.75	12.16	12.28	12.65	13.22	12.23	12.64	12.76	13.13	13.69
8H	4H	9.70	10.14	10.22	10.64	11.16	10.54	10.98	11.06	11.48	12.00
	6H	10.72	11.08	11.26	11.59	12.15	11.33	11.69	11.87	12.21	12.77
	8H	11.58	11.88	12.15	12.44	12.99	12.06	12.36	12.63	12.92	13.46
	12H	12.70	12.93	13.28	13.49	14.05	13.05	13.28	13.63	13.83	14.40
12H	4H	9.75	10.16	10.28	10.65	11.21	10.57	10.98	11.10	11.47	12.03
	6H	10.92	11.22	11.49	11.78	12.32	11.50	11.80	12.06	12.35	12.90
	8H	11.86	12.09	12.44	12.64	13.21	12.30	12.53	12.88	13.08	13.65
Variation with the observer position at spacings:											
S = 1.0H		3.0/-3.1					3.0/-3.1				
S = 1.5H		4.3/-2.6					4.3/-2.6				
S = 2.0H		5.1/-2.1					5.1/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.6					-6.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25