



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: concentra flex 50 c serie 3 fa

LampCAT: 3x modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6400

Test No:

Current(A): 0.3010

Number of Lamps: 1

Power (W): 38.2350

Lamp flux(lm): 4072.0

PF: 0.9940

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2269.76, Efficiency(%): 55.74% , Luminous Efficacy(lm/W): 59.36

Central intensity(cd): 3074.321, Maximum intensity(cd): 3074.321

Angle of maximum intensity: C=0.0 γ =1.0

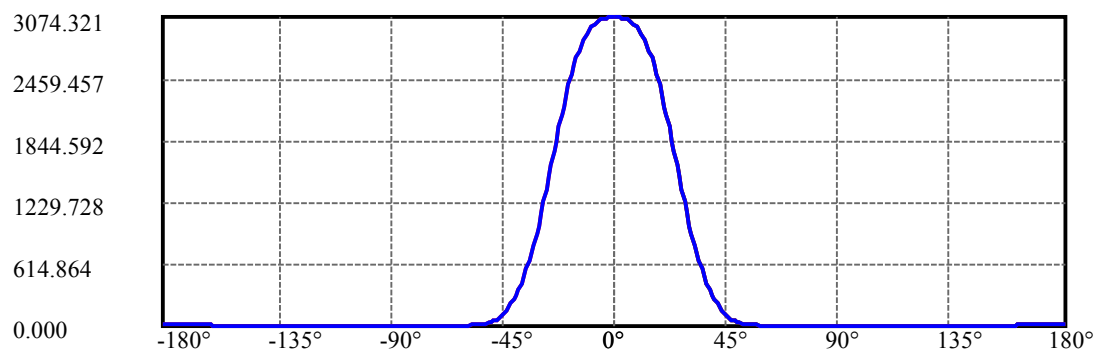
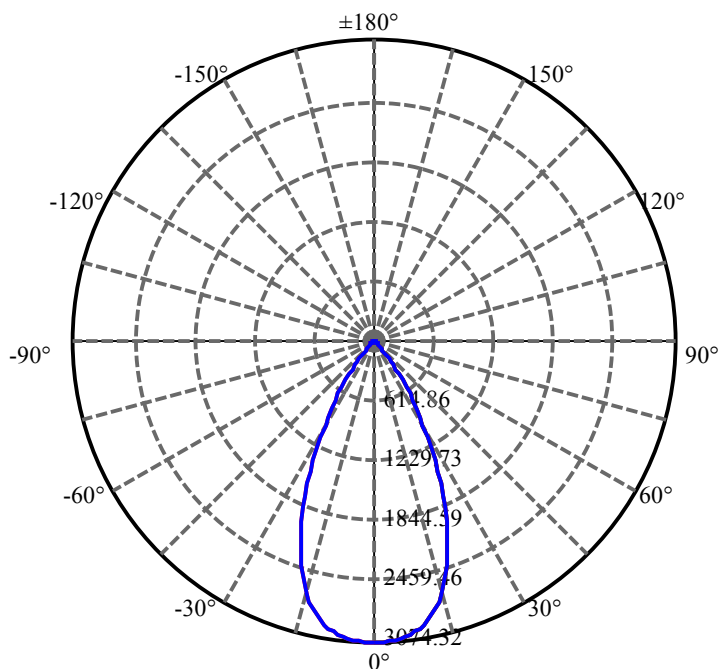
Beam angle of C0 plane : 51.16

Aveage BeamAngle(IEC 61341):51.16

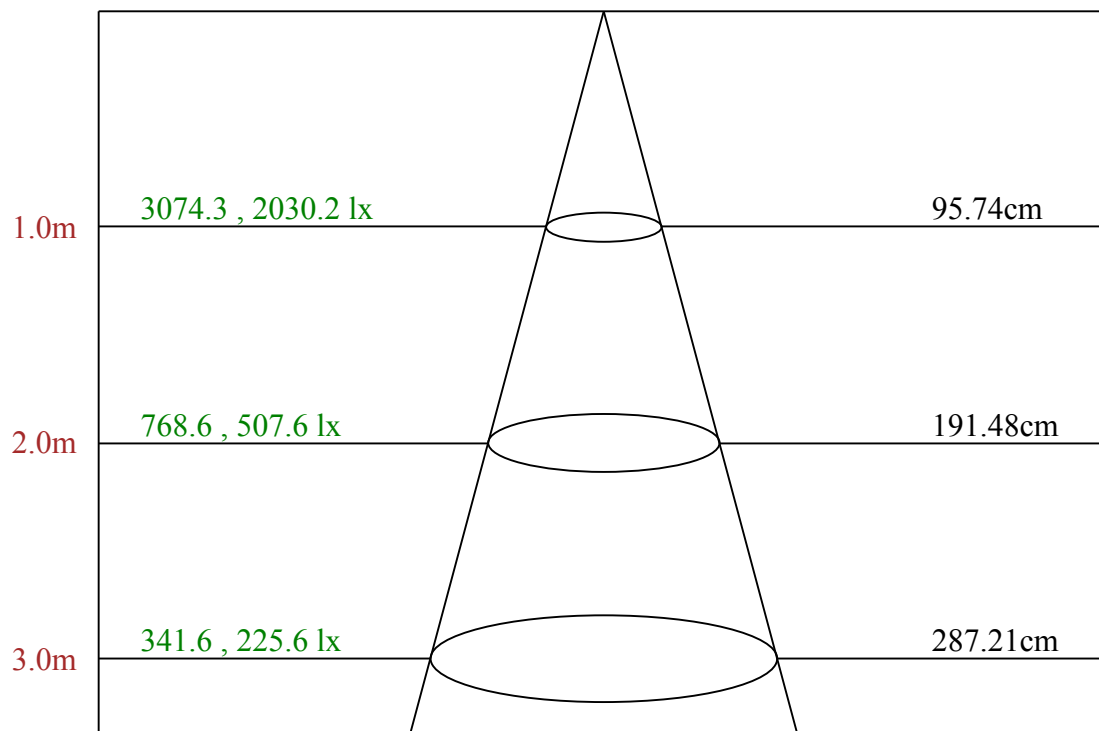
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 08/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90

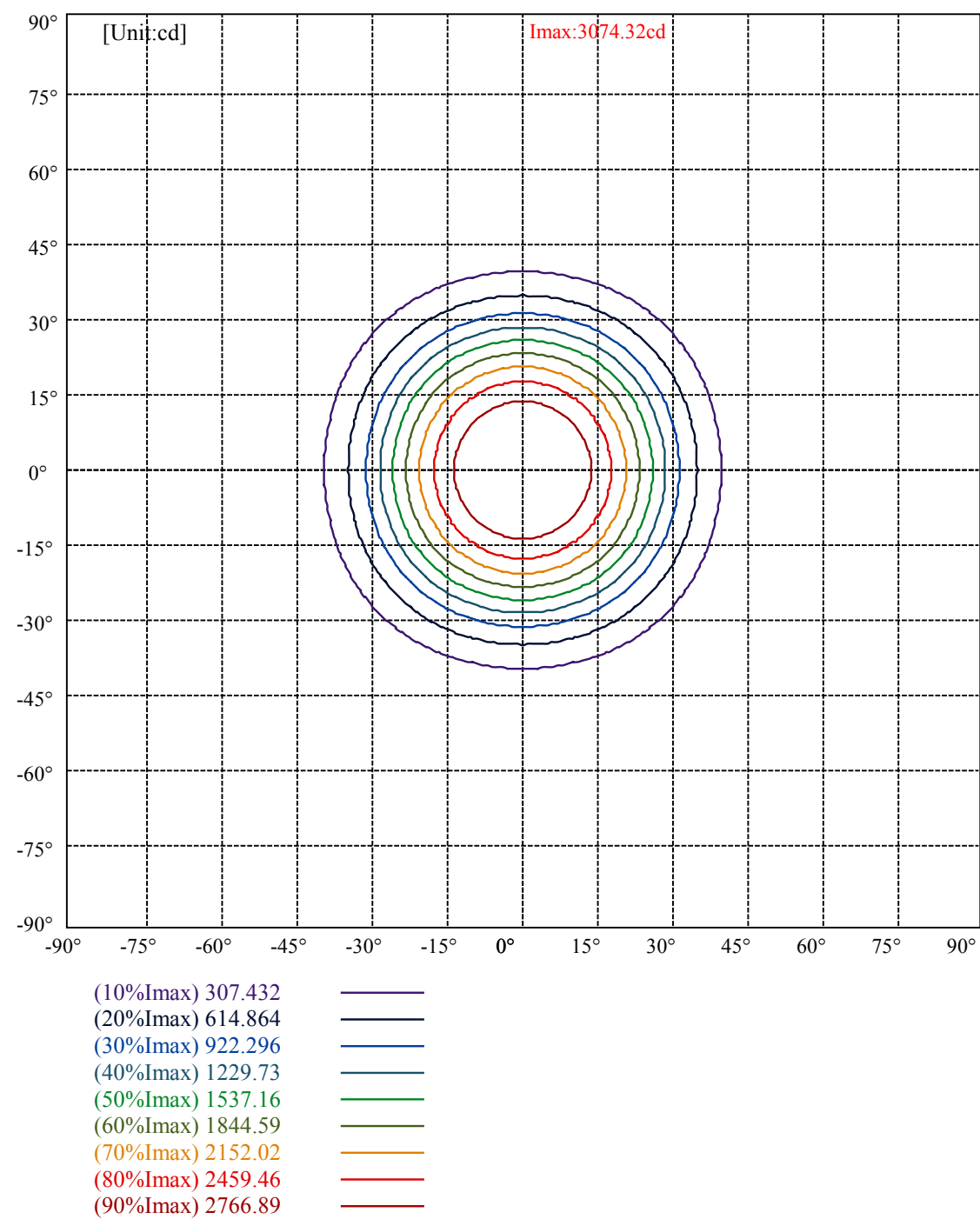


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 51.16



Luminance Table

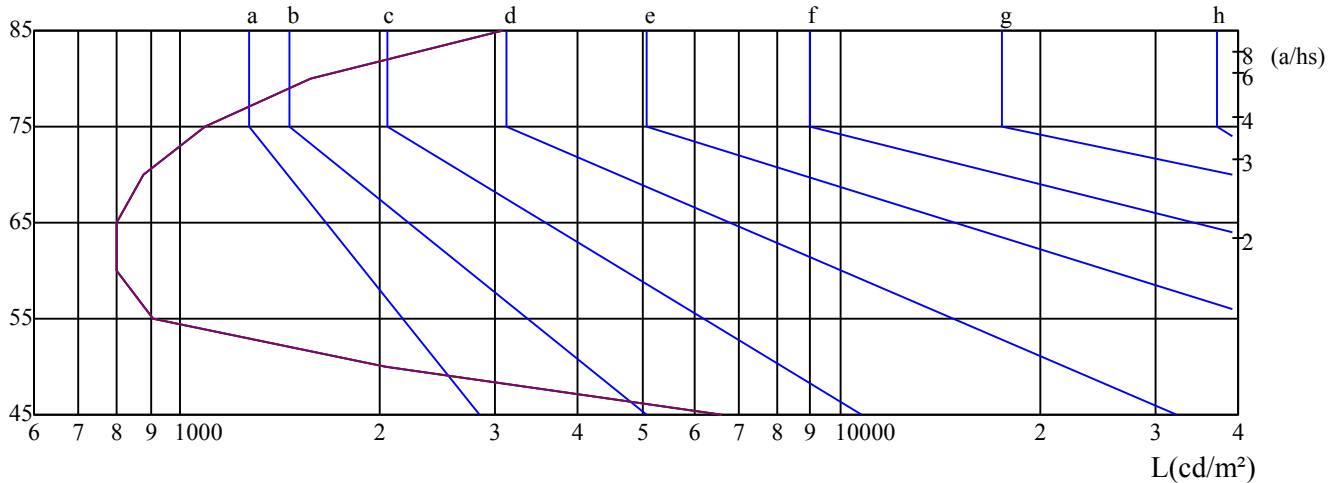
γ	45	50	55	60	65	70	75	80	85
C0	6588	2038	907	799	801	878	1091	1577	3073
C45	6588	2038	907	799	801	878	1091	1577	3073
C90	6588	2038	907	799	801	878	1091	1577	3073

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
801	801	801	1091	1091	1091	3073	3073	3073

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	18.44	19.38	18.84	19.73	20.09	17.82	18.75	18.22	19.10	19.47
	3H	18.25	19.08	18.67	19.45	19.85	17.62	18.45	18.05	18.83	19.22
	4H	18.15	18.92	18.59	19.31	19.73	17.53	18.30	17.97	18.69	19.11
	6H	18.09	18.79	18.54	19.20	19.65	17.47	18.17	17.93	18.59	19.03
	8H	18.03	18.70	18.49	19.13	19.58	17.42	18.09	17.88	18.52	18.97
	12H	18.00	18.63	18.46	19.07	19.53	17.39	18.03	17.86	18.46	18.92
4H	2H	18.13	18.90	18.57	19.29	19.70	17.50	18.27	17.94	18.67	19.08
	3H	17.90	18.54	18.36	18.97	19.44	17.28	17.92	17.74	18.35	18.82
	4H	17.84	18.40	18.32	18.86	19.35	17.23	17.78	17.70	18.24	18.74
	6H	17.75	18.24	18.25	18.72	19.22	17.14	17.63	17.65	18.12	18.61
	8H	17.73	18.18	18.25	18.68	19.19	17.13	17.58	17.65	18.08	18.59
	12H	17.75	18.16	18.27	18.65	19.22	17.16	17.58	17.68	18.06	18.63
8H	4H	17.65	18.10	18.17	18.60	19.12	17.04	17.49	17.56	17.99	18.50
	6H	17.56	17.94	18.10	18.45	19.00	16.97	17.34	17.50	17.85	18.40
	8H	17.62	17.93	18.18	18.48	19.02	17.03	17.34	17.60	17.90	18.44
	12H	17.68	17.92	18.26	18.47	19.04	17.12	17.36	17.69	17.91	18.47
12H	4H	17.60	18.02	18.13	18.51	19.07	16.99	17.41	17.52	17.90	18.46
	6H	17.56	17.87	18.13	18.43	18.97	16.97	17.28	17.53	17.83	18.37
	8H	17.59	17.83	18.17	18.38	18.95	17.01	17.25	17.59	17.80	18.36
Variation with the observer position at spacings:											
S = 1.0H		5.0/-10.3					5.0/-10.3				
S = 1.5H		7.6/-8.4					7.6/-8.4				
S = 2.0H		9.4/-7.2					9.4/-7.2				
Standard tables:		BK1					BK1				
Uncorrected UGR		-3.6					-3.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25