



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 50 serie 2 e fc

LampCAT: modulo led 18W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0300

Test No:

Current(A): 0.1650

Number of Lamps: 1

Power (W): 20.7600

Lamp flux(lm): 2190.0

PF: 0.9890

Length(mm): 486

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1837.85, Efficiency(%): 83.92% , Luminous Efficacy(lm/W): 88.53

Central intensity(cd): 9948.348, Maximum intensity(cd): 9948.348

Angle of maximum intensity: C=0.0 γ =0.0

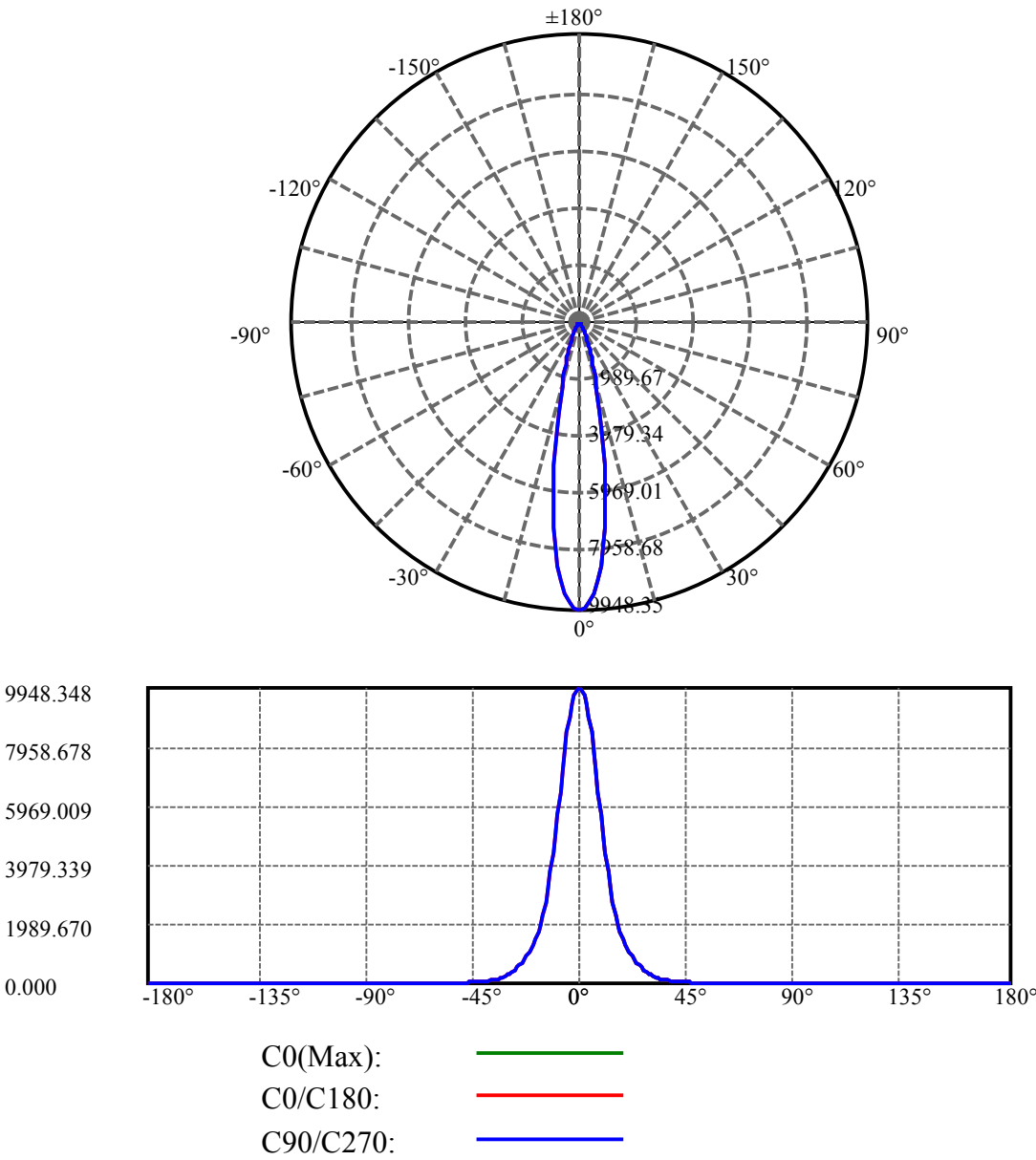
Beam angle of C0 plane : 20.16

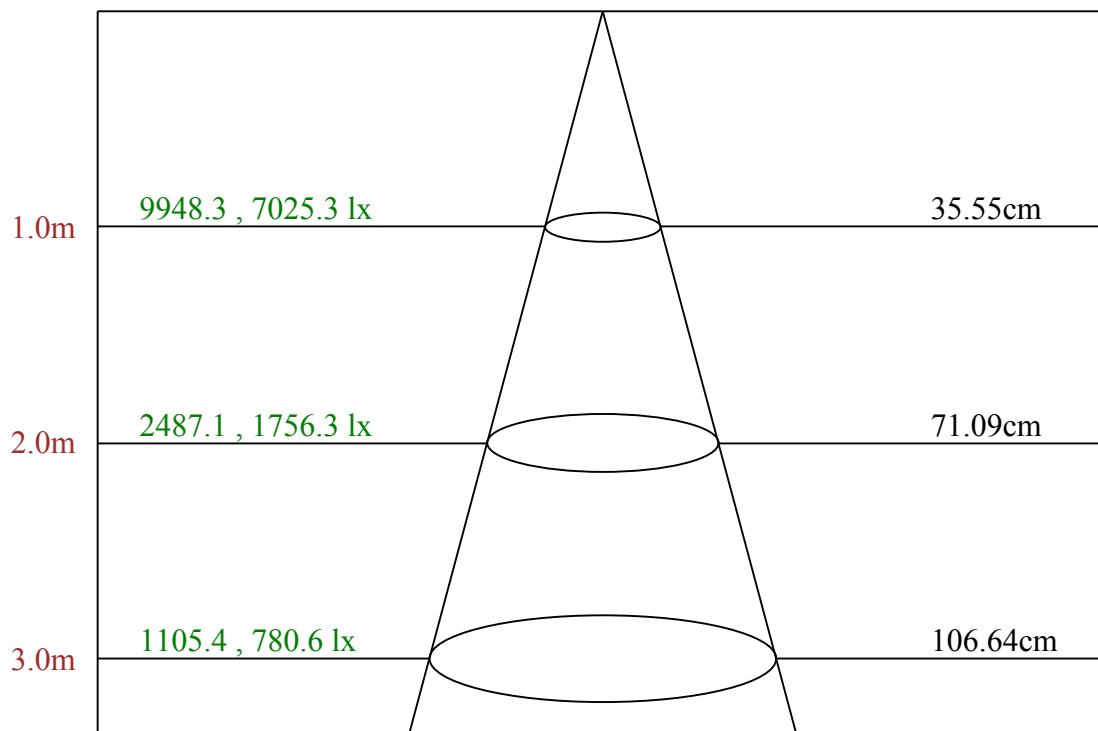
Aveage BeamAngle(IEC 61341):20.16

Equipment: equipamento lumini
Temperature(°C): 26.3

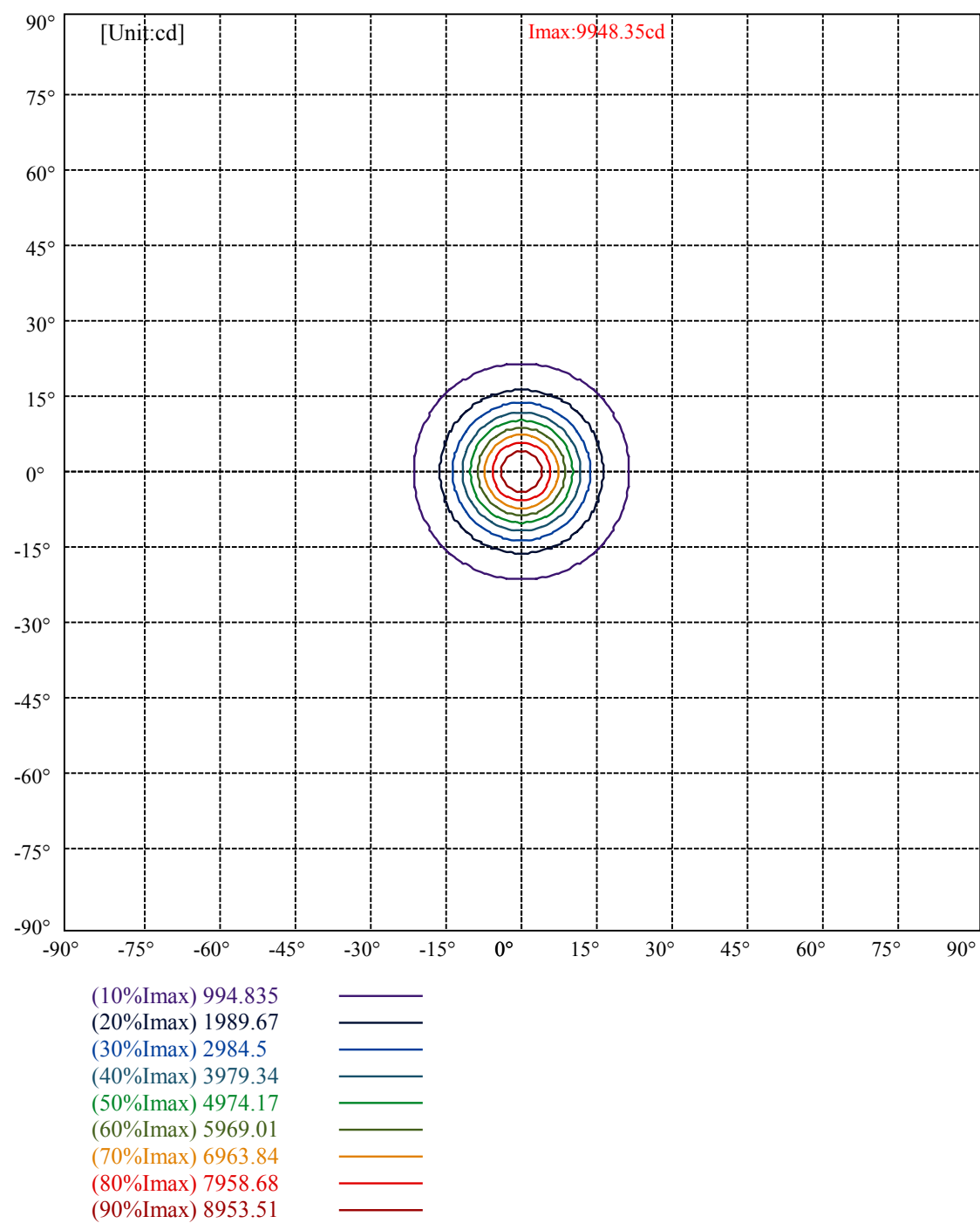
Date: 13/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.16



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

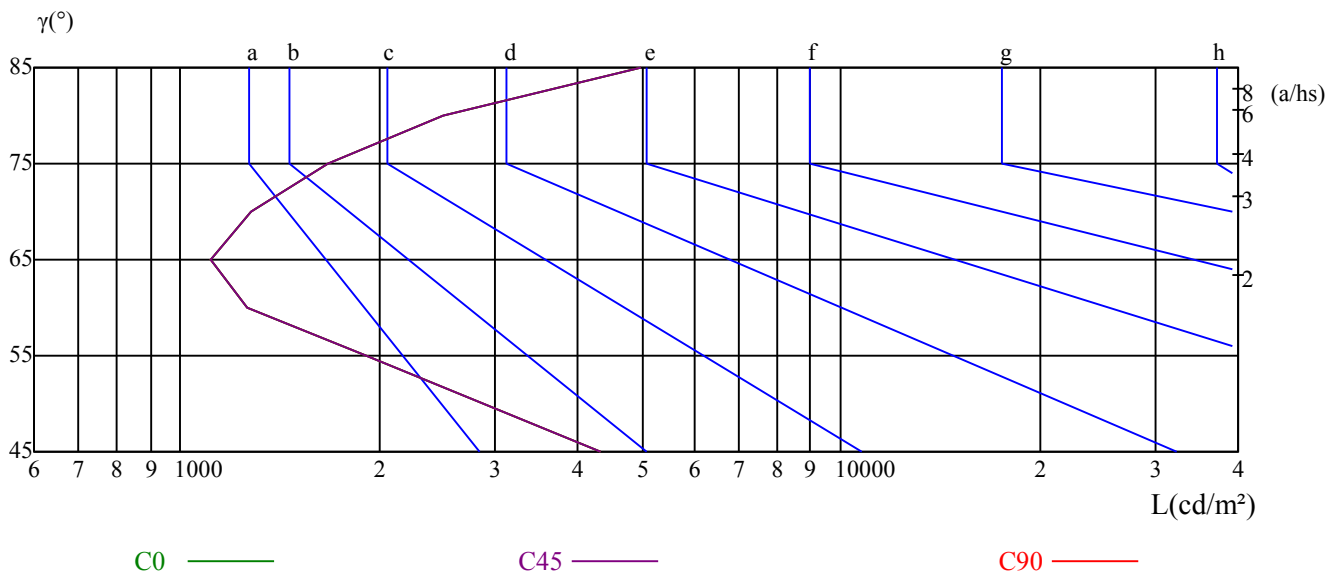
γ	45	50	55	60	65	70	75	80	85
C0	4335	2874	1912	1261	1113	1280	1675	2505	4968
C45	4335	2874	1912	1261	1113	1280	1675	2505	4968
C90	4335	2874	1912	1261	1113	1280	1675	2505	4968

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1113	1113	1113	1675	1675	1675	4968	4968	4968

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): 26.3

Date: 13/02/2025
Humidity(%): 57.0%

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	9.09	10.00	9.50	10.36	10.72	9.80	10.71	10.20	11.06	11.43
	3H	9.15	9.96	9.58	10.34	10.74	9.81	10.62	10.24	11.00	11.39
	4H	9.34	10.08	9.78	10.48	10.90	9.95	10.69	10.39	11.09	11.51
	6H	9.78	10.46	10.24	10.88	11.33	10.31	10.99	10.77	11.41	11.86
	8H	10.13	10.78	10.59	11.21	11.66	10.60	11.25	11.06	11.68	12.13
	12H	10.66	11.27	11.12	11.71	12.17	11.06	11.67	11.52	12.11	12.58
4H	2H	8.93	9.68	9.37	10.07	10.49	9.60	10.35	10.04	10.74	11.16
	3H	9.09	9.72	9.55	10.15	10.62	9.69	10.32	10.16	10.75	11.22
	4H	9.47	10.01	9.94	10.47	10.97	10.00	10.54	10.48	11.01	11.50
	6H	10.14	10.62	10.65	11.11	11.61	10.57	11.05	11.08	11.54	12.04
	8H	10.71	11.15	11.23	11.64	12.16	11.07	11.51	11.59	12.01	12.53
	12H	11.50	11.91	12.03	12.40	12.97	11.79	12.20	12.32	12.69	13.25
8H	4H	9.55	9.99	10.07	10.49	11.01	10.05	10.49	10.57	10.98	11.50
	6H	10.50	10.86	11.04	11.37	11.93	10.86	11.22	11.40	11.74	12.30
	8H	11.33	11.63	11.90	12.19	12.73	11.62	11.92	12.19	12.48	13.02
	12H	12.42	12.65	13.00	13.20	13.77	12.63	12.86	13.21	13.41	13.98
12H	4H	9.59	10.00	10.12	10.49	11.06	10.08	10.48	10.60	10.97	11.54
	6H	10.69	10.99	11.26	11.55	12.09	11.03	11.33	11.60	11.89	12.43
	8H	11.60	11.83	12.18	12.38	12.95	11.87	12.09	12.44	12.65	13.21
Variation with the observer position at spacings:											
S = 1.0H		3.6/-3.3					3.6/-3.3				
S = 1.5H		5.0/-2.7					5.0/-2.7				
S = 2.0H		5.9/-2.2					5.9/-2.2				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.7					-6.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25