



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: concentra flex 50 c serie 3 fc

LampCAT: 3x modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7000

Test No:

Current(A): 0.1580

Number of Lamps: 1

Power (W): 19.8920

Lamp flux(lm): 2145.0

PF: 0.9890

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1555.44, Efficiency(%): 72.51% , Luminous Efficacy(lm/W): 78.19

Central intensity(cd): 8847.616, Maximum intensity(cd): 8847.616

Angle of maximum intensity: C=0.0 γ =0.0

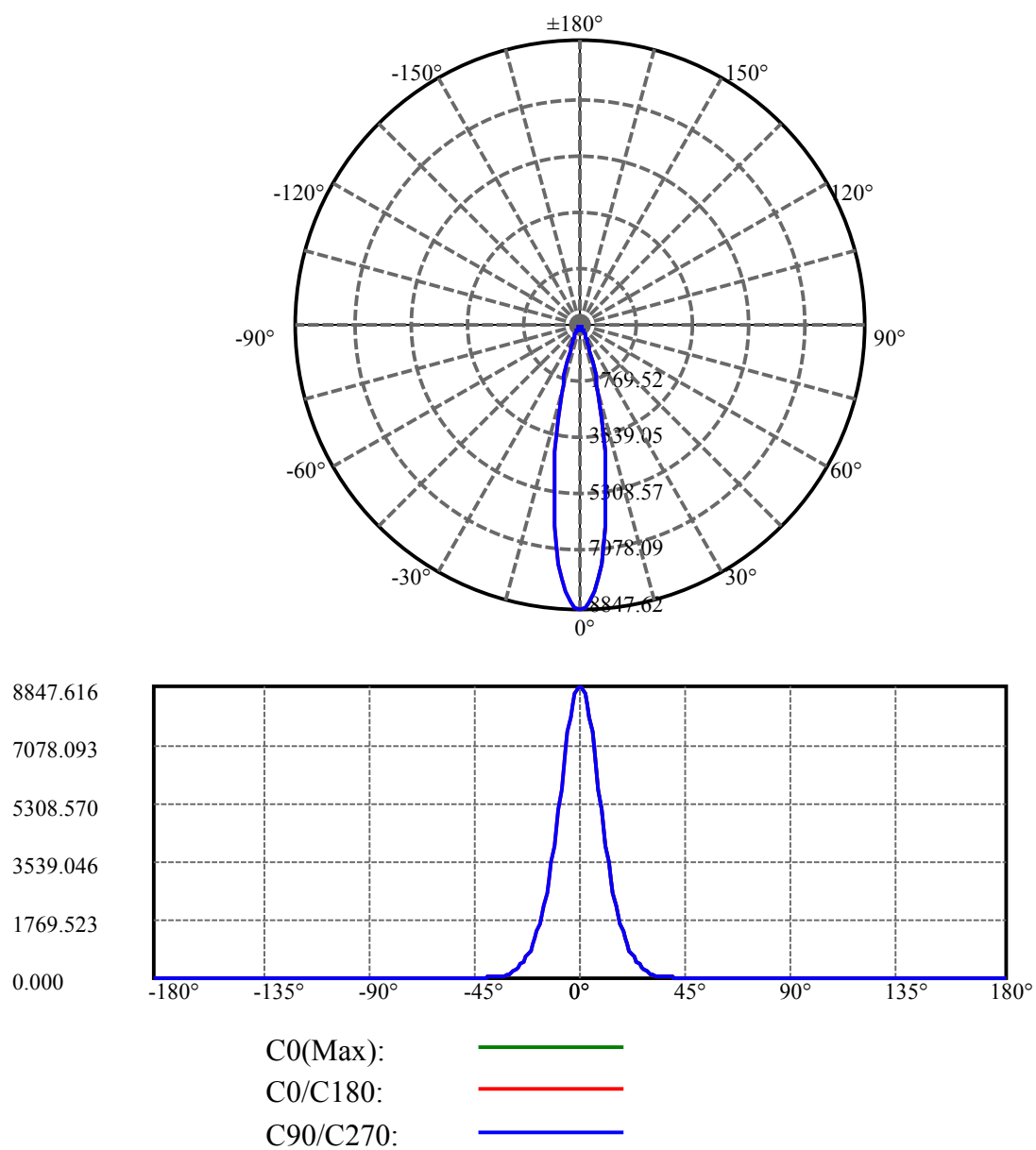
Beam angle of C0 plane : 20.45

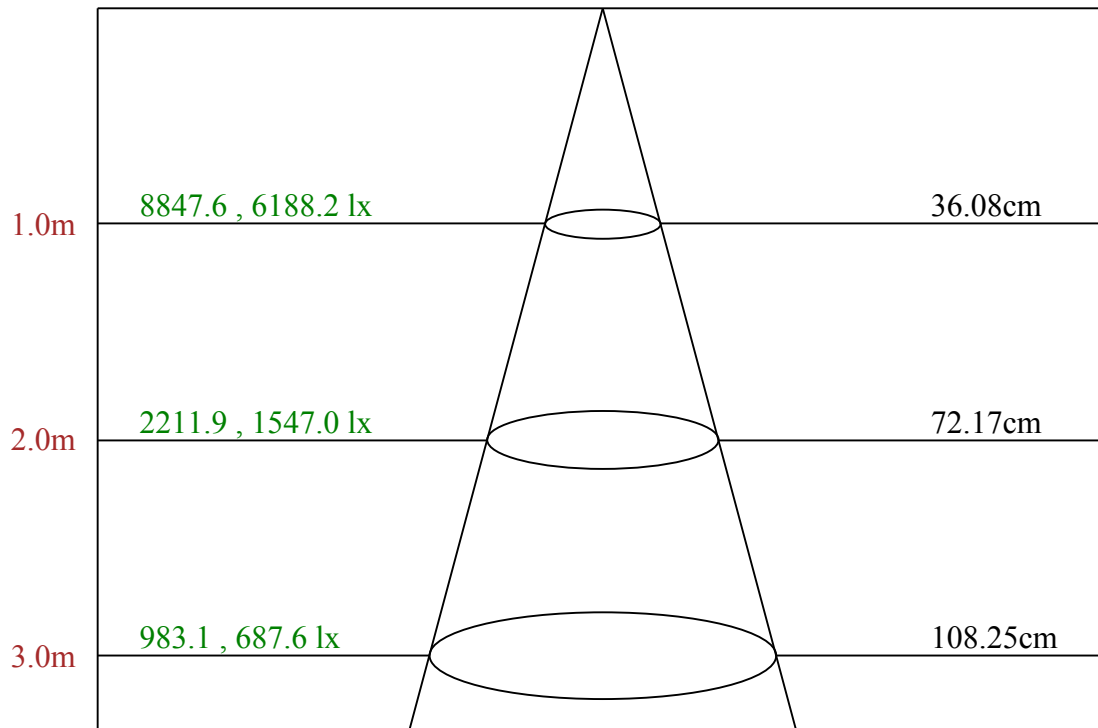
Aveage BeamAngle(IEC 61341):20.45

Equipment: equipamento lumini
Temperature(°C): 25.5

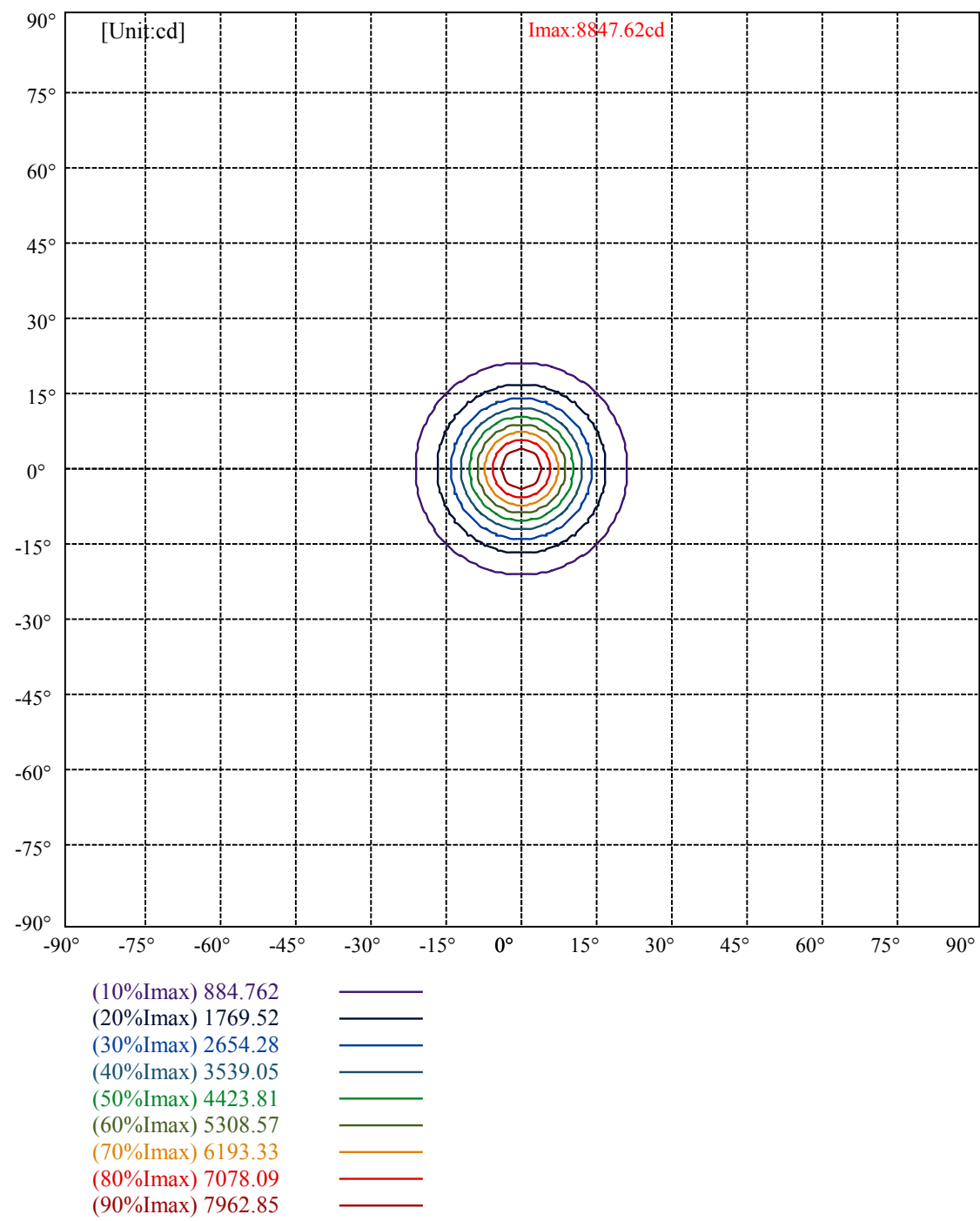
Date: 16/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.45



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	1048	787	603	551	586	675	858	1252	2449
C45	1048	787	603	551	586	675	858	1252	2449
C90	1048	787	603	551	586	675	858	1252	2449

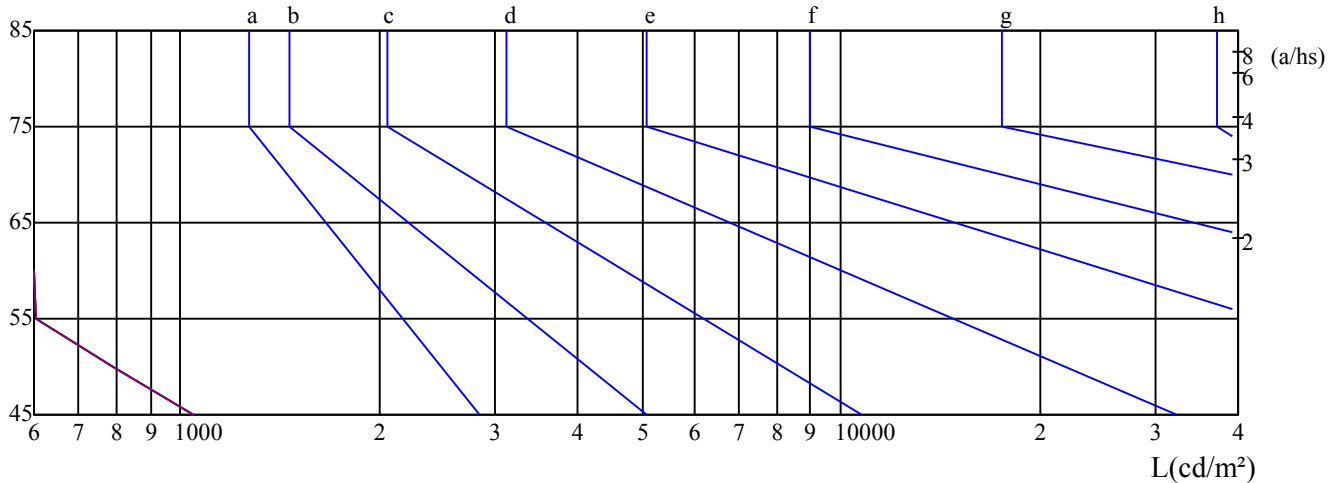
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
586	586	586	858	858	858	2449	2449	2449

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	4.33	5.22	4.73	5.58	5.95	2.95	3.84	3.35	4.20	4.57
	3H	4.84	5.63	5.26	6.01	6.41	3.68	4.47	4.10	4.85	5.25
	4H	5.33	6.07	5.78	6.47	6.89	4.32	5.06	4.77	5.46	5.88
	6H	6.16	6.83	6.62	7.25	7.70	5.35	6.02	5.81	6.44	6.89
	8H	6.74	7.38	7.20	7.81	8.26	6.04	6.68	6.50	7.10	7.56
	12H	7.51	8.12	7.98	8.56	9.02	6.92	7.52	7.38	7.96	8.43
4H	2H	4.27	5.01	4.71	5.41	5.82	3.02	3.76	3.46	4.16	4.58
	3H	5.02	5.63	5.48	6.07	6.54	4.04	4.66	4.50	5.09	5.56
	4H	5.80	6.33	6.27	6.79	7.29	4.99	5.53	5.47	5.99	6.49
	6H	6.90	7.37	7.41	7.86	8.36	6.29	6.76	6.80	7.26	7.76
	8H	7.70	8.13	8.22	8.63	9.15	7.18	7.62	7.71	8.12	8.64
	12H	8.72	9.12	9.24	9.61	10.18	8.28	8.68	8.81	9.17	9.74
8H	4H	6.06	6.49	6.58	6.99	7.51	5.36	5.80	5.89	6.30	6.82
	6H	7.47	7.83	8.02	8.35	8.91	6.99	7.34	7.53	7.86	8.42
	8H	8.55	8.84	9.11	9.40	9.94	8.15	8.44	8.72	9.00	9.55
	12H	9.83	10.06	10.41	10.61	11.18	9.50	9.72	10.08	10.28	10.85
12H	4H	6.15	6.55	6.67	7.04	7.60	5.49	5.89	6.01	6.38	6.95
	6H	7.72	8.02	8.29	8.58	9.12	7.28	7.57	7.85	8.13	8.68
	8H	8.87	9.10	9.45	9.65	10.22	8.52	8.74	9.10	9.30	9.86
Variation with the observer position at spacings:											
S = 1.0H		1.7/-1.2					1.7/-1.2				
S = 1.5H		2.0/-1.3					2.0/-1.3				
S = 2.0H		2.2/-1.2					2.2/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-8.8					-8.8				

依据CIE Publ. 117 计算 UGR，S/H = 0.25