



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: split ww

LampCAT: modulo led 7.5Wm 30K irc 90 12V

Ballast type: led line driver12Vdc

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1000

Number of Lamps: 1

Power (W): 11.7000

Lamp flux(lm): 700.0

PF: 0.9100

Length(mm): 500

Width(mm): 30

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 124.85, Efficiency(%): 17.84% , Luminous Efficacy(lm/W): 10.67

Central intensity(cd): 49.991, Maximum intensity(cd): 53.514

Angle of maximum intensity: C=270.0 γ =19.0

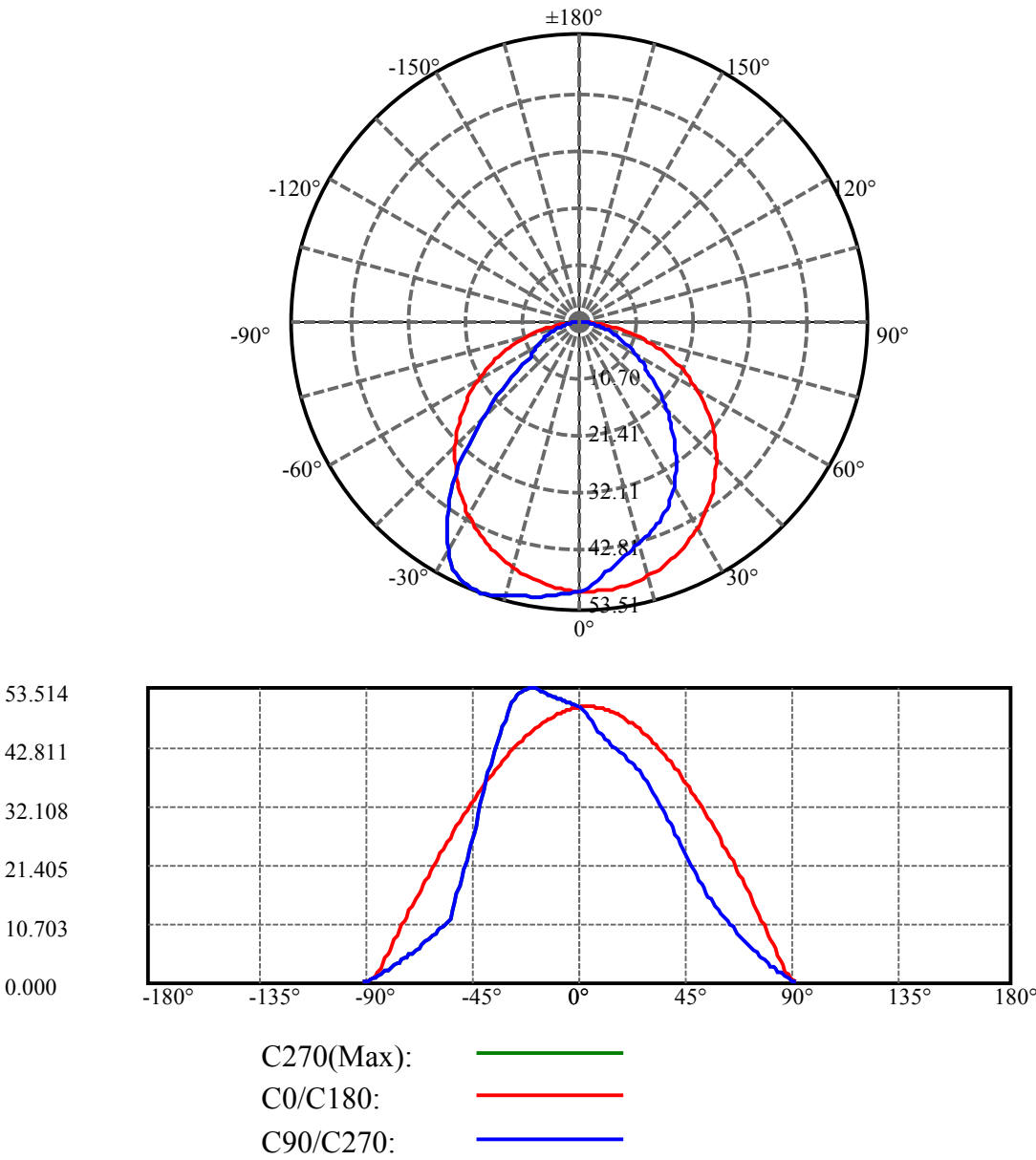
Beam angle of C270 plane : 84.48

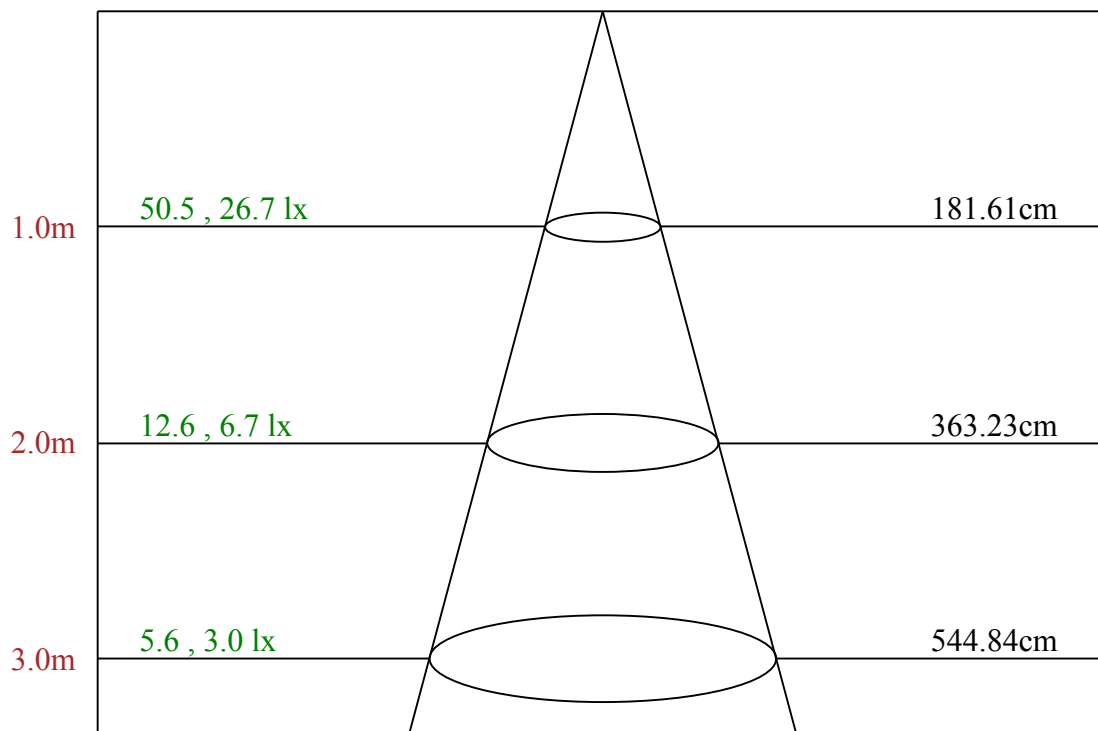
Aveage BeamAngle(IEC 61341):84.48

Equipment: equipamento lumini
Temperature(°C): 25.5

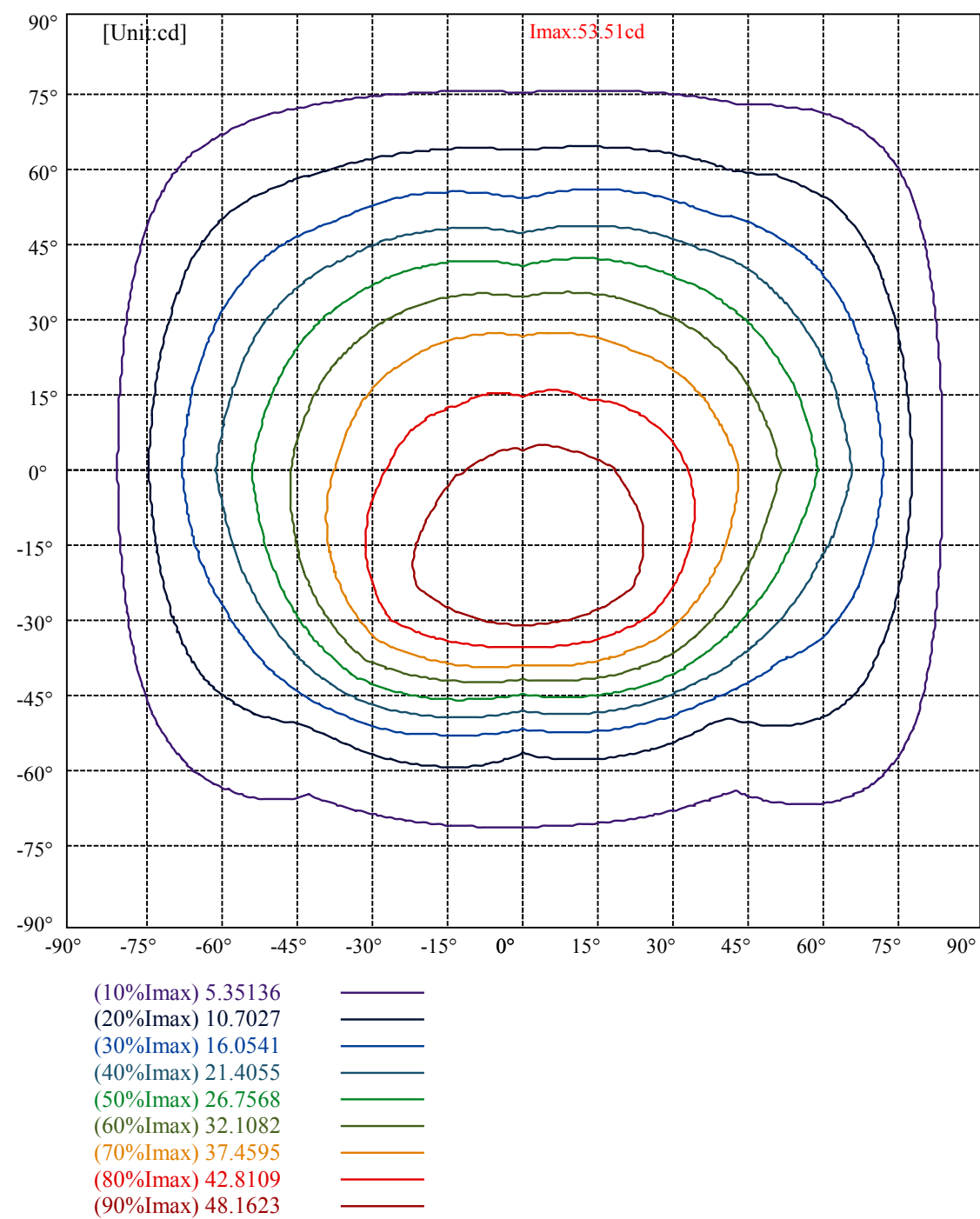
Date: 22/10/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C270 plane 84.48



Luminance Table

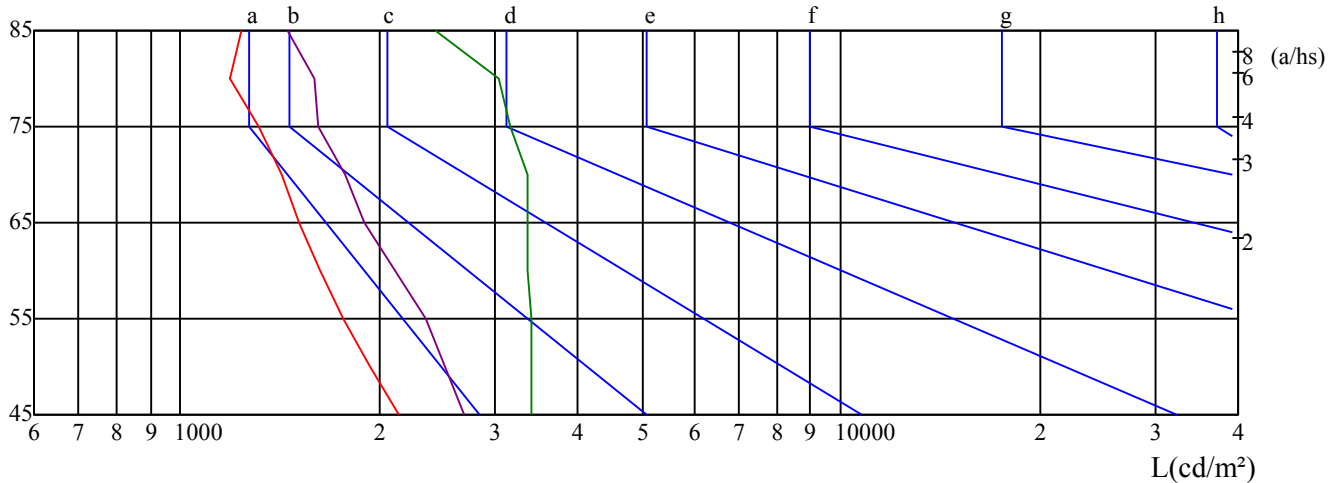
γ	45	50	55	60	65	70	75	80	85
C0	3393	3397	3398	3345	3365	3350	3164	3034	2440
C45	2693	2523	2357	2108	1900	1773	1619	1590	1457
C90	2146	1936	1765	1631	1510	1420	1312	1188	1238

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3087	1329	1519	2808	1147	1285	1748	1038	1111

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	16.79	18.35	17.15	18.67	18.98	14.18	15.73	14.54	16.05	16.36
	3H	18.78	20.19	19.16	20.53	20.87	15.40	16.81	15.78	17.14	17.48
	4H	19.59	20.91	19.98	21.26	21.62	15.88	17.20	16.27	17.55	17.91
	6H	20.26	21.49	20.67	21.85	22.25	16.27	17.49	16.67	17.86	18.25
	8H	20.49	21.67	20.90	22.05	22.45	16.38	17.57	16.79	17.94	18.34
	12H	20.62	21.75	21.03	22.13	22.54	16.47	17.60	16.88	17.98	18.39
4H	2H	17.13	18.45	17.52	18.80	19.16	15.02	16.34	15.41	16.69	17.05
	3H	19.26	20.37	19.67	20.76	21.17	16.38	17.50	16.79	17.88	18.29
	4H	20.24	21.23	20.67	21.64	22.08	17.01	18.00	17.45	18.42	18.85
	6H	21.03	21.91	21.49	22.35	22.79	17.47	18.35	17.93	18.79	19.23
	8H	21.36	22.18	21.83	22.63	23.09	17.66	18.48	18.13	18.93	19.39
	12H	21.56	22.33	22.04	22.77	23.27	17.81	18.57	18.28	19.01	19.51
8H	4H	20.32	21.14	20.79	21.59	22.05	17.40	18.22	17.87	18.67	19.13
	6H	21.22	21.91	21.71	22.37	22.87	17.99	18.68	18.48	19.14	19.64
	8H	21.68	22.28	22.19	22.79	23.28	18.30	18.91	18.82	19.41	19.90
	12H	21.97	22.48	22.49	22.98	23.49	18.52	19.03	19.05	19.54	20.05
12H	4H	20.31	21.08	20.79	21.52	22.02	17.48	18.24	17.96	18.68	19.19
	6H	21.27	21.88	21.79	22.39	22.87	18.15	18.76	18.67	19.26	19.75
	8H	21.72	22.23	22.24	22.74	23.25	18.47	18.98	18.99	19.49	20.00
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.2/-0.7				
S = 1.5H		0.6/-1.0					0.6/-0.5				
S = 2.0H		1.1/-1.2					0.9/-0.7				
Standard tables:		BK4					BKBF				
Uncorrected UGR		0.2					6.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25