



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: focus sm a e sr3 fa

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.8300

Test No:

Current(A): 0.1110

Number of Lamps: 1

Power (W): 13.8400

Lamp flux(lm): 1478.0

PF: 0.9790

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1225.86, Efficiency(%): 82.94% , Luminous Efficacy(lm/W): 88.57

Central intensity(cd): 3608.469, Maximum intensity(cd): 3608.469

Angle of maximum intensity: C=0.0 γ =0.0

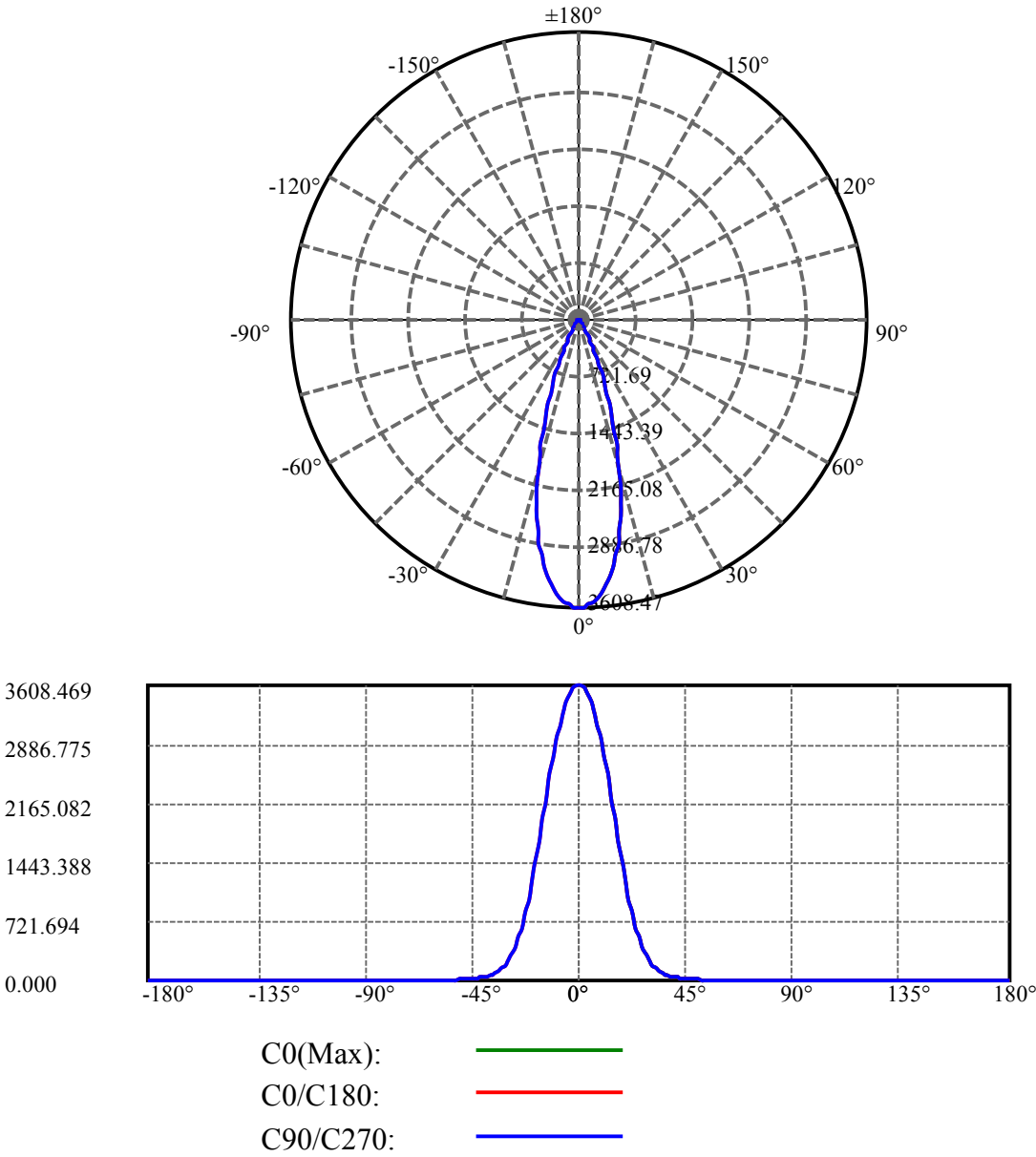
Beam angle of C0 plane : 31.63

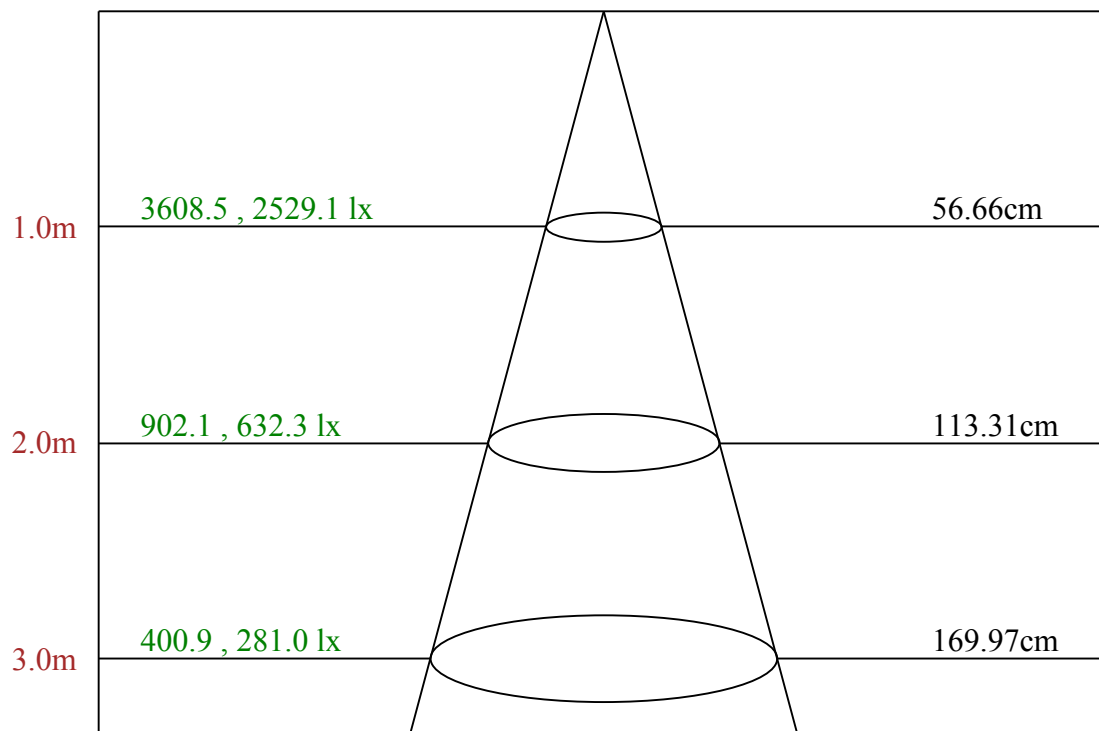
Aveage BeamAngle(IEC 61341):31.63

Equipment: equipamento lumini
Temperature(°C): 26.5

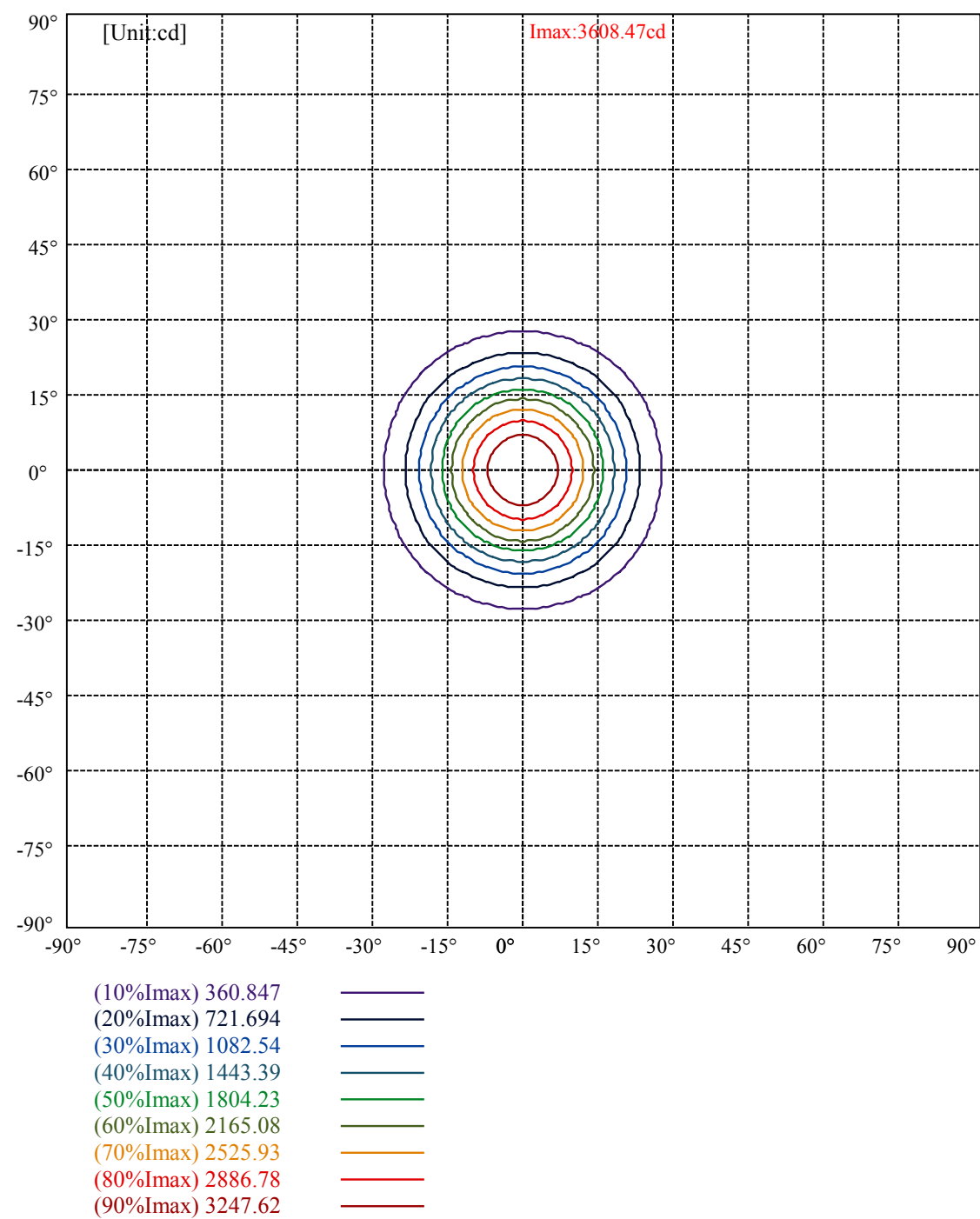
Date: 04/08/2025
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 31.63



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	9660	6290	4888	4383	3845	4101	5252	7704	15124
C45	9660	6290	4888	4383	3845	4101	5252	7704	15124
C90	9660	6290	4888	4383	3845	4101	5252	7704	15124

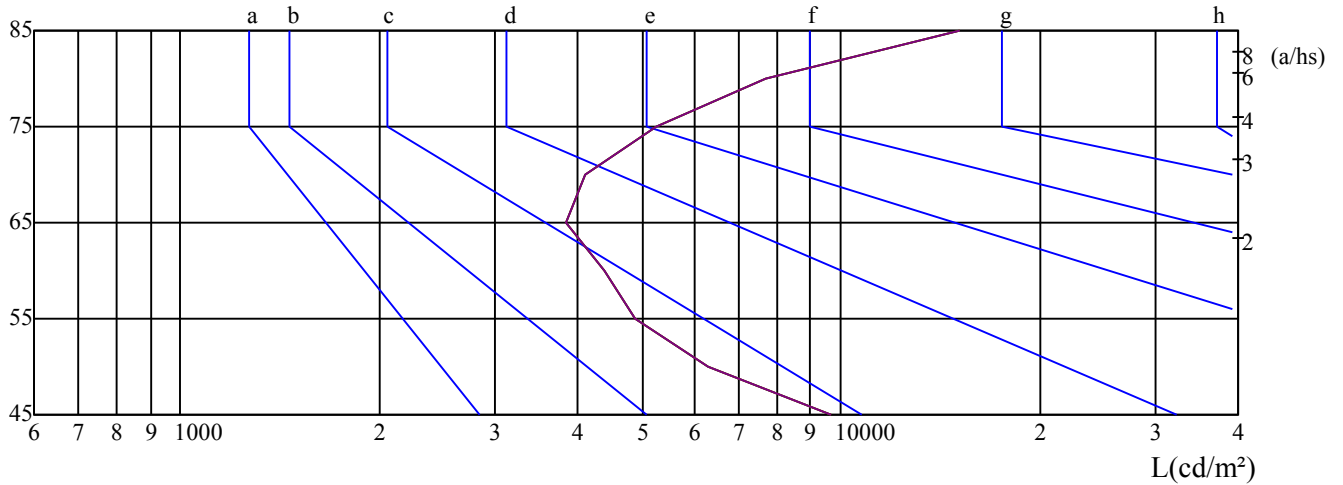
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3845	3845	3845	5252	5252	5252	15124	15124	15124

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 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 26.5

Date: 04/08/2025
Humidity(%): 55.0%

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	11.30	12.20	11.71	12.56	12.94	11.22	12.13	11.63	12.49	12.86
	3H	11.62	12.43	12.06	12.81	13.22	11.55	12.36	11.98	12.74	13.15
	4H	12.03	12.78	12.48	13.18	13.60	11.96	12.70	12.40	13.10	13.53
	6H	12.79	13.47	13.25	13.89	14.35	12.69	13.37	13.16	13.80	14.25
	8H	13.32	13.97	13.79	14.40	14.86	13.23	13.88	13.70	14.31	14.77
	12H	14.06	14.67	14.53	15.11	15.58	13.95	14.57	14.42	15.01	15.48
4H	2H	11.20	11.94	11.64	12.34	12.76	11.12	11.87	11.57	12.27	12.69
	3H	11.72	12.35	12.19	12.79	13.26	11.66	12.28	12.12	12.72	13.19
	4H	12.40	12.94	12.88	13.41	13.91	12.33	12.87	12.81	13.34	13.84
	6H	13.45	13.93	13.96	14.42	14.92	13.35	13.83	13.87	14.33	14.83
	8H	14.20	14.64	14.73	15.14	15.67	14.12	14.56	14.65	15.06	15.59
	12H	15.20	15.60	15.73	16.10	16.67	15.10	15.50	15.63	16.00	16.57
8H	4H	12.63	13.07	13.16	13.57	14.10	12.57	13.01	13.10	13.51	14.04
	6H	13.99	14.35	14.54	14.87	15.43	13.91	14.27	14.45	14.79	15.35
	8H	15.02	15.32	15.59	15.88	16.43	14.95	15.25	15.52	15.81	16.36
	12H	16.29	16.52	16.87	17.08	17.65	16.20	16.43	16.78	16.99	17.56
12H	4H	12.71	13.12	13.24	13.61	14.19	12.66	13.07	13.19	13.56	14.13
	6H	14.23	14.54	14.81	15.10	15.65	14.16	14.46	14.73	15.02	15.57
	8H	15.34	15.57	15.92	16.13	16.70	15.28	15.51	15.86	16.07	16.64
Variation with the observer position at spacings:											
S = 1.0H		3.8/-2.8					3.8/-2.8				
S = 1.5H		5.0/-2.2					5.0/-2.2				
S = 2.0H		5.8/-1.8					5.8/-1.8				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-0.2					-0.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25