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

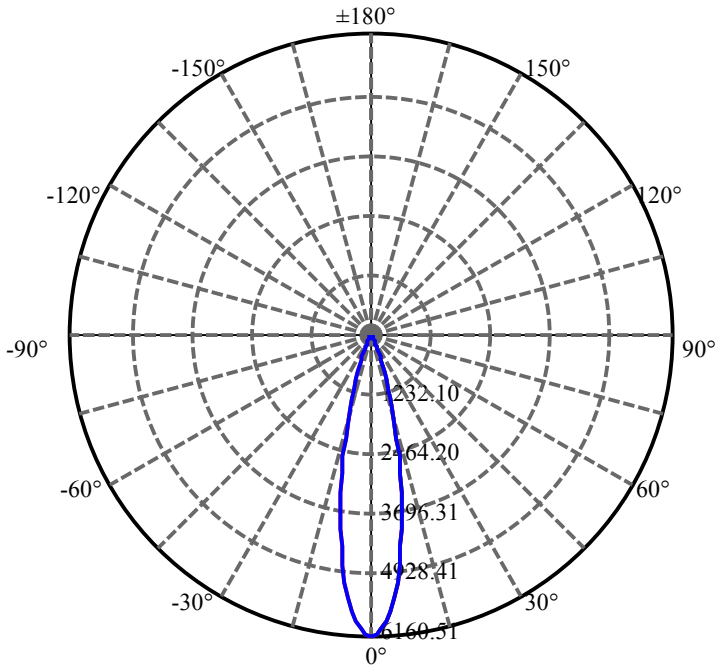
LumCAT:
Luminaire: no frame flex sm r e sr3 fm 12W 30K irc 90
LampCAT: modulo led 12W 30K irc 90
Ballast type: led driver 350mA

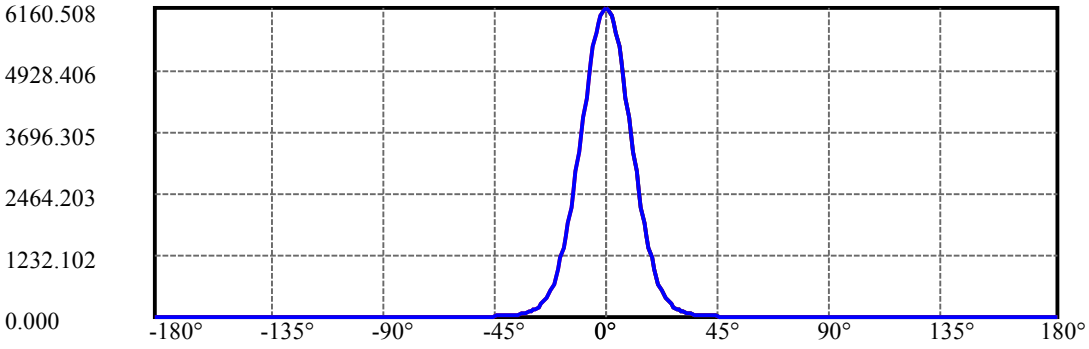
Report No:	Voltage(V): 127.7900
Test No:	Current(A): 0.1240
Number of Lamps: 1	Power (W): 15.2360
Lamp flux(lm): 1585.0	PF: 0.9580
Length(mm): 55	Width(mm): 55
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1242.99, Efficiency(%): 78.42% , Luminous Efficacy(lm/W): 81.58
Central intensity(cd): 6160.508, Maximum intensity(cd): 6160.508
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 23.03
Aveage BeamAngle(IEC 61341):23.03

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

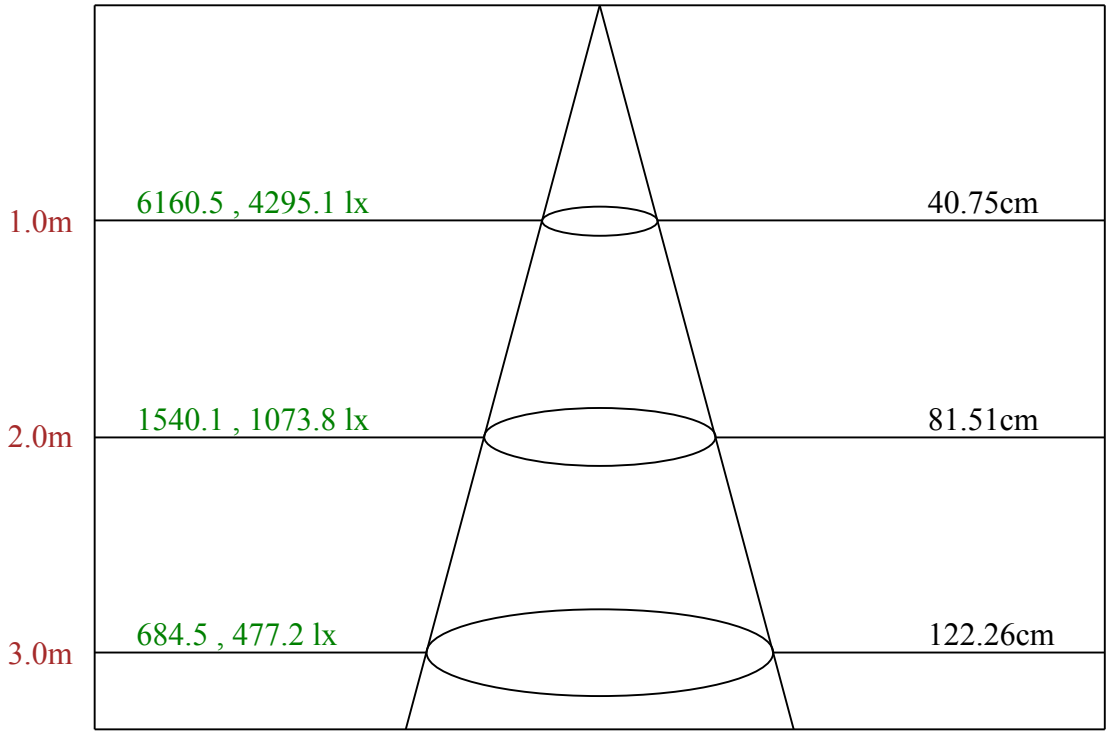
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 29/01/2026
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

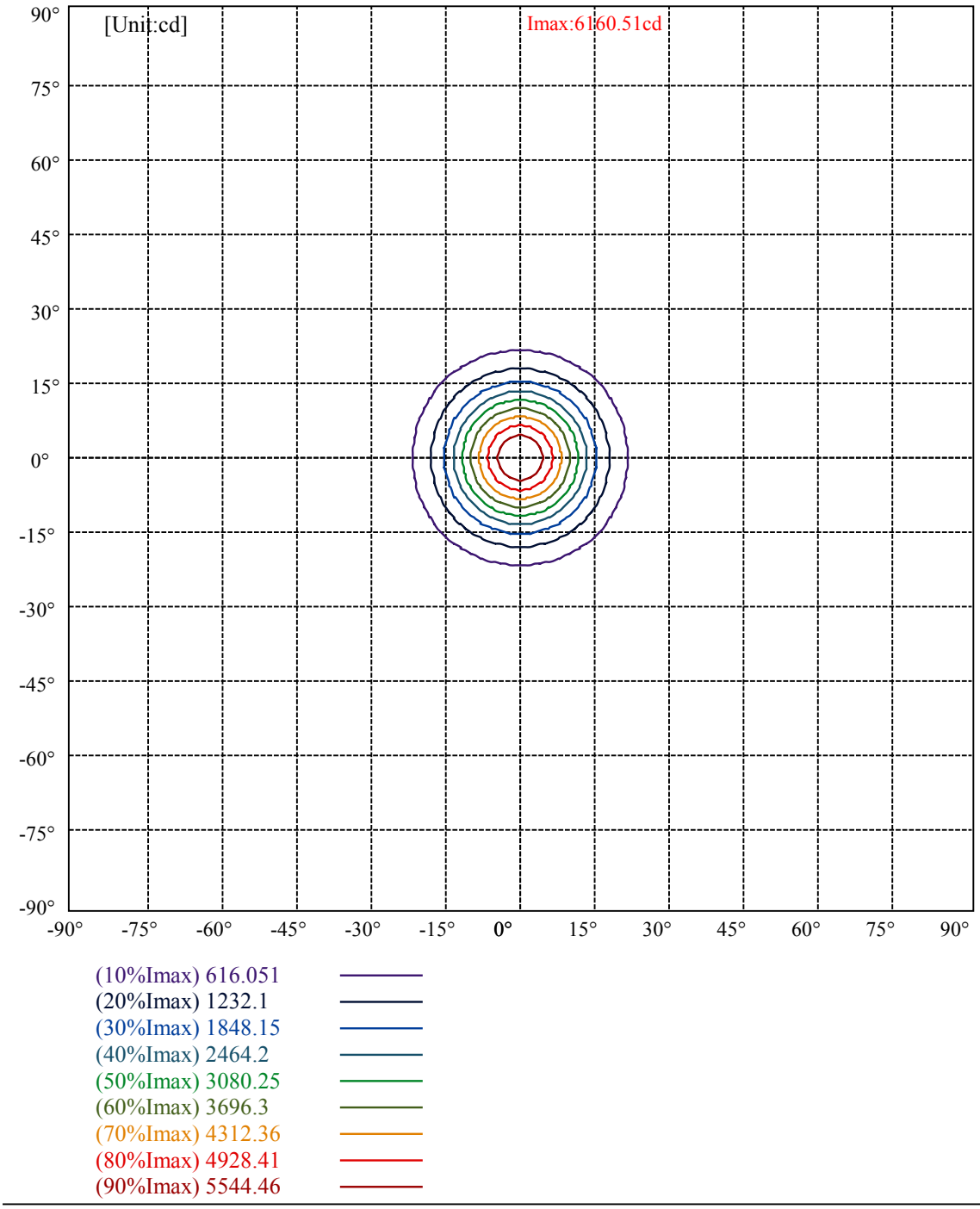
Lux distance Curve



Max , Ave

Beam angle of C0 plane 23.03

ISO-Intensity(V-H)



Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 29/01/2026
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

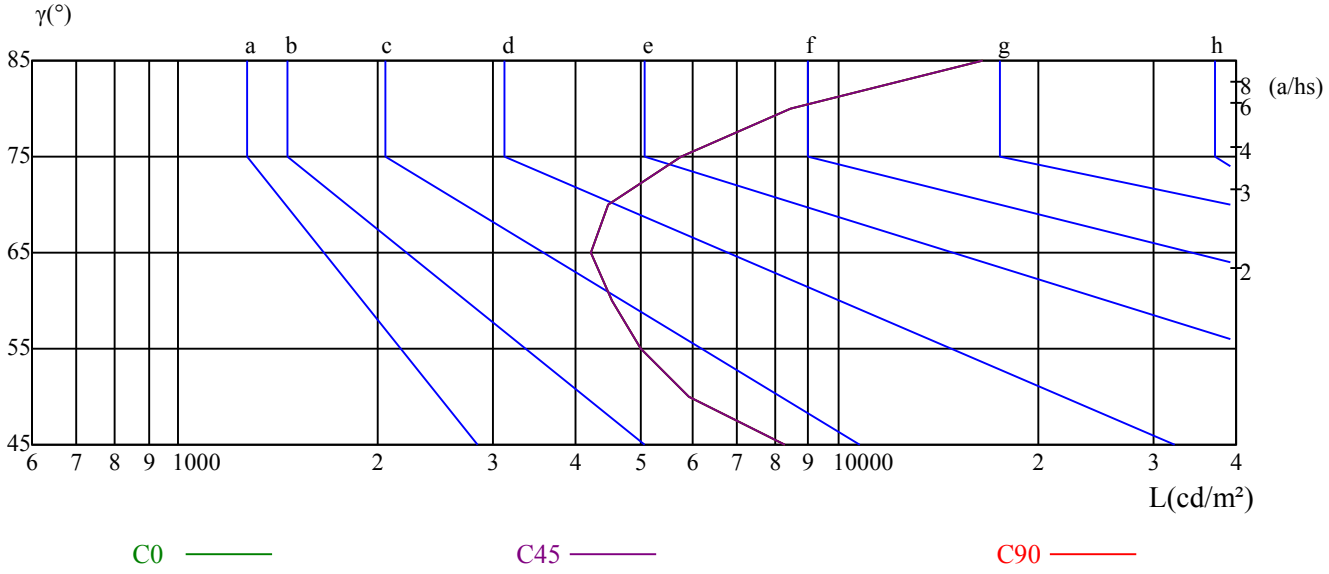
γ	45	50	55	60	65	70	75	80	85
C0	8280	5910	5001	4545	4222	4487	5762	8429	16523
C45	8280	5910	5001	4545	4222	4487	5762	8429	16523
C90	8280	5910	5001	4545	4222	4487	5762	8429	16523

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4222	4222	4222	5762	5762	5762	16523	16523	16523

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 Limitting Curve



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	10.65	11.55	11.06	11.91	12.29	10.95	11.85	11.36	12.22	12.59
	3H	11.26	12.06	11.69	12.45	12.85	11.49	12.29	11.93	12.68	13.09
	4H	11.81	12.55	12.26	12.96	13.38	12.01	12.75	12.45	13.15	13.58
	6H	12.75	13.42	13.21	13.85	14.31	12.88	13.56	13.34	13.98	14.44
	8H	13.39	14.04	13.86	14.47	14.94	13.48	14.13	13.95	14.56	15.03
	12H	14.24	14.86	14.72	15.30	15.78	14.28	14.89	14.75	15.34	15.81
4H	2H	10.71	11.45	11.15	11.85	12.28	10.98	11.72	11.43	12.12	12.55
	3H	11.55	12.17	12.02	12.61	13.09	11.74	12.37	12.21	12.81	13.29
	4H	12.39	12.93	12.87	13.40	13.91	12.54	13.08	13.02	13.55	14.05
	6H	13.61	14.09	14.13	14.58	15.09	13.69	14.17	14.21	14.67	15.18
	8H	14.46	14.90	14.99	15.41	15.94	14.51	14.95	15.04	15.45	15.98
	12H	15.55	15.95	16.08	16.45	17.03	15.55	15.95	16.08	16.45	17.02
8H	4H	12.71	13.15	13.23	13.65	14.18	12.83	13.27	13.36	13.78	14.31
	6H	14.25	14.61	14.80	15.13	15.70	14.31	14.67	14.86	15.19	15.76
	8H	15.37	15.67	15.95	16.24	16.79	15.40	15.70	15.97	16.26	16.81
	12H	16.73	16.96	17.31	17.51	18.09	16.70	16.93	17.29	17.49	18.07
12H	4H	12.81	13.22	13.35	13.72	14.29	12.94	13.34	13.47	13.84	14.41
	6H	14.52	14.82	15.10	15.39	15.94	14.58	14.88	15.15	15.44	16.00
	8H	15.72	15.95	16.31	16.51	17.09	15.74	15.97	16.33	16.53	17.11

Variation with the observer position at spacings:		
S = 1.0H	2.1/-1.4	2.1/-1.4
S = 1.5H	2.5/-1.3	2.5/-1.3
S = 2.0H	2.9/-1.2	2.9/-1.2
Standard tables:	BKBF	BKBF
Uncorrected UGR	-1.0	-1.0

依据CIE Publ. 117 计算 UGR，S/H = 0.25