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LumCAT:

Luminaire: downled xsm r difusa c

LampCAT: modulo led tr 5W 27K irc 90

Ballast type:

Report No:

Voltage(V): 221.4200

Test No:

Current(A): 0.0160

Number of Lamps: 1

Power (W): 3.1450

Lamp flux(lm): 291.0

PF: 0.9090

Length(mm): 67

Width(mm): 67

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 171.14, Efficiency(%): 58.81% , Luminous Efficacy(lm/W): 54.42

Central intensity(cd): 124.929, Maximum intensity(cd): 124.941

Angle of maximum intensity: $C=0.0$ $\gamma=1.0$

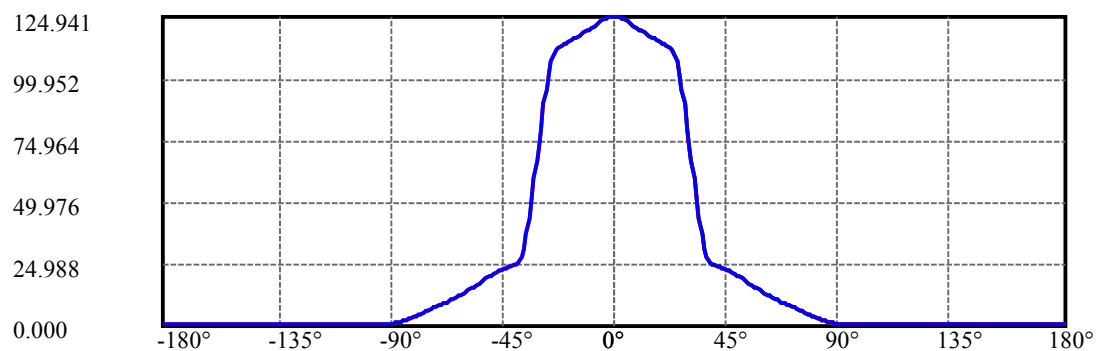
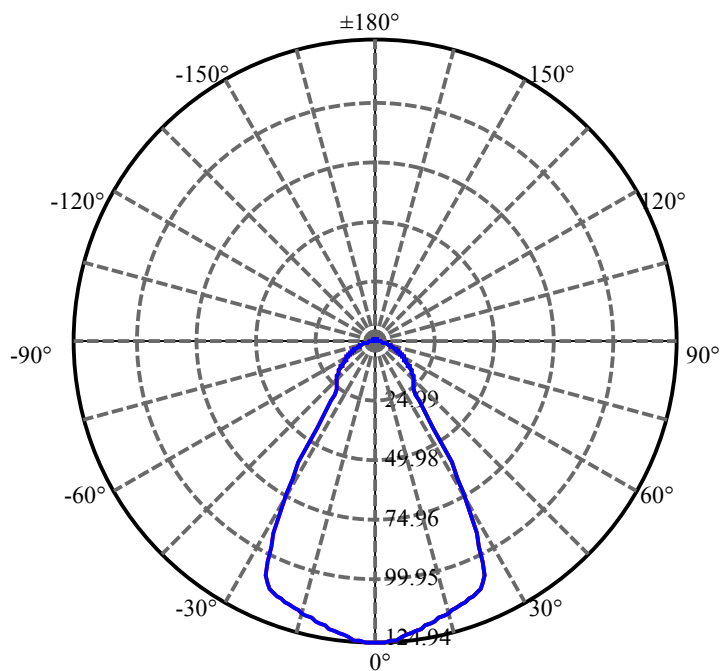
Beam angle of C0 plane : 63.18

Average BeamAngle(IEC 61341): 63.18

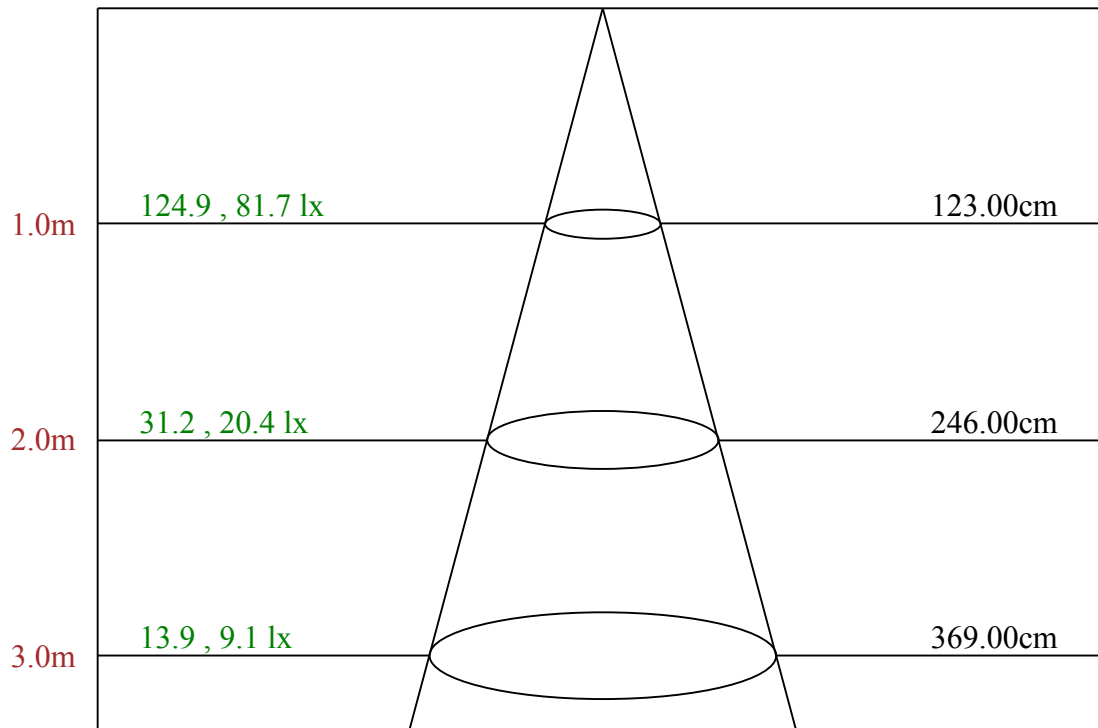
Equipment: equipamento lumini
Temperature(°C): 25.9

Date: 04/12/2025
Humidity(%): 64.0%

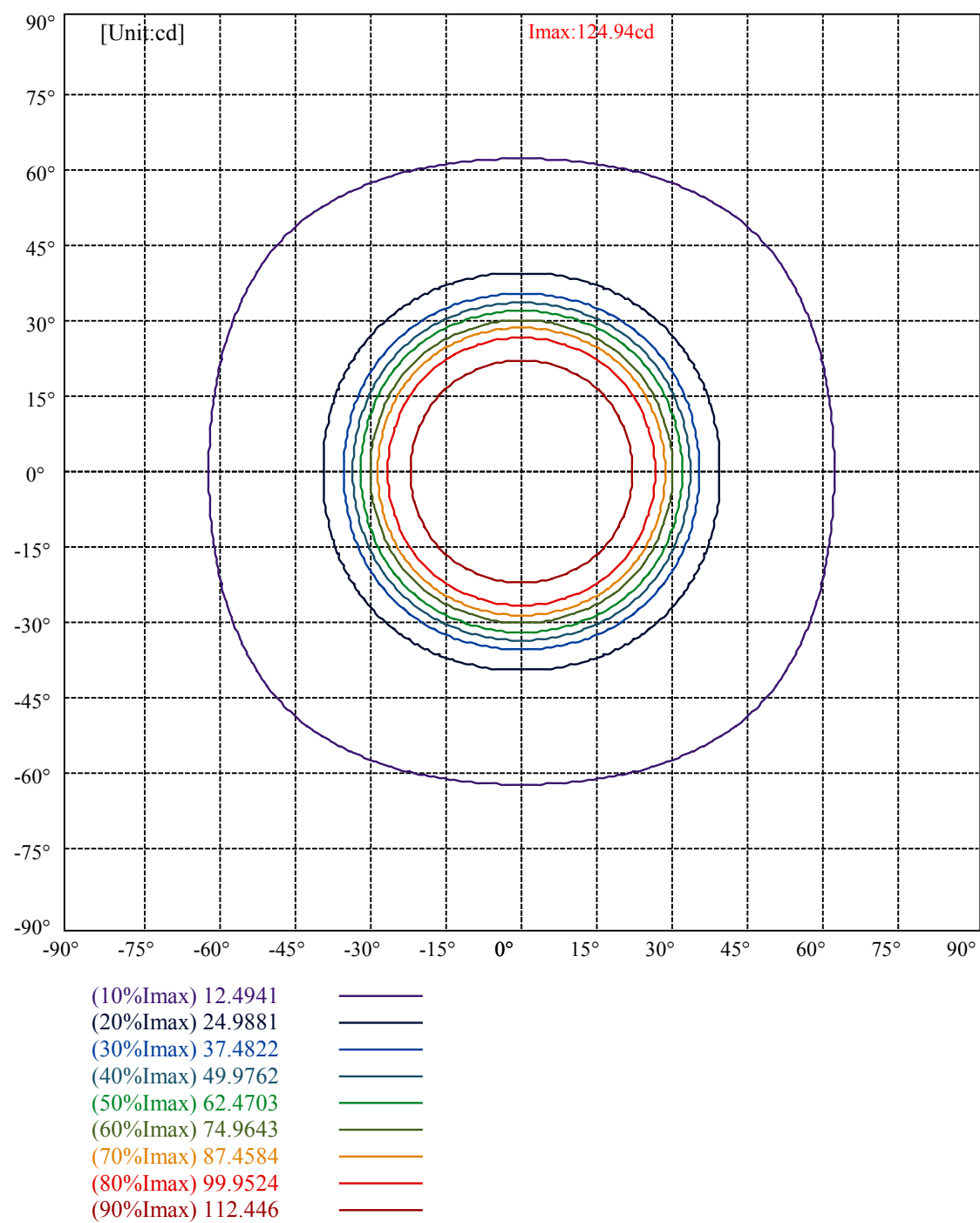
Operator: 01
Distance(m): 6.90



C0(Max):
C0/C180:
C90/C270:



Max , Ave Beam angle of C0 plane 63.18



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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	7117	6872	6405	5937	5587	5431	5112	4665	4518
C45	7117	6872	6405	5937	5587	5431	5112	4665	4518
C90	7117	6872	6405	5937	5587	5431	5112	4665	4518

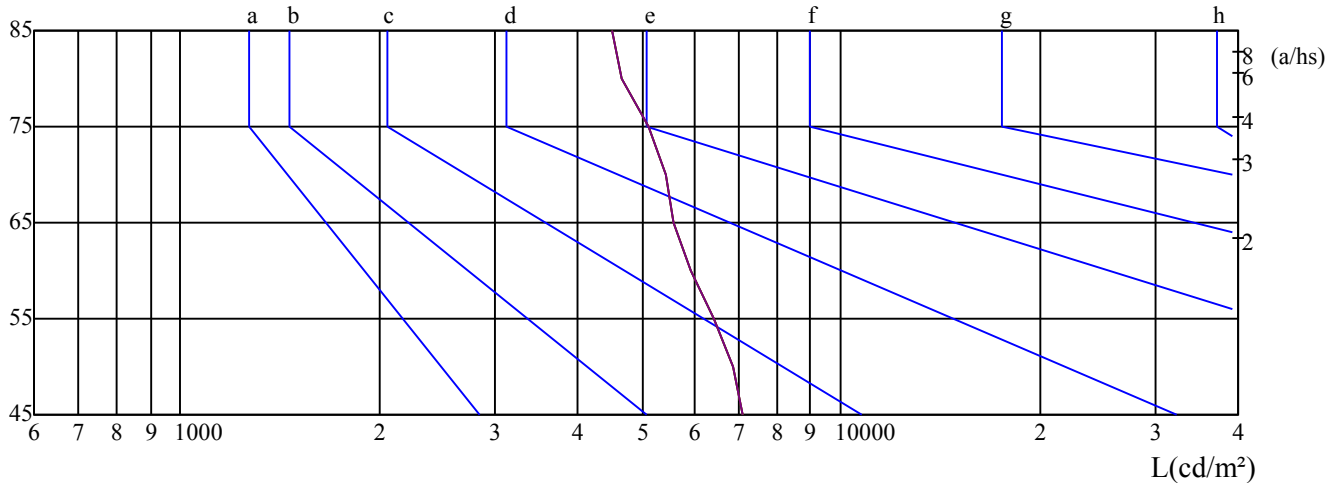
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5587	5587	5587	5112	5112	5112	4518	4518	4518

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): 25.9

Date: 04/12/2025
Humidity(%): 64.0%

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	17.71	18.99	18.10	19.35	19.72	17.88	19.16	18.27	19.52	19.89
	3H	19.14	20.30	19.56	20.69	21.08	19.31	20.47	19.73	20.85	21.25
	4H	19.78	20.87	20.21	21.26	21.68	19.97	21.05	20.40	21.44	21.86
	6H	20.31	21.31	20.76	21.73	22.17	20.52	21.52	20.96	21.93	22.38
	8H	20.50	21.46	20.95	21.88	22.33	20.71	21.67	21.16	22.10	22.55
	12H	20.64	21.56	21.10	21.99	22.45	20.86	21.78	21.32	22.21	22.68
4H	2H	18.27	19.35	18.70	19.75	20.16	18.40	19.49	18.83	19.88	20.30
	3H	19.91	20.82	20.36	21.25	21.72	20.04	20.96	20.50	21.39	21.85
	4H	20.73	21.54	21.20	22.00	22.49	20.89	21.69	21.36	22.15	22.64
	6H	21.36	22.08	21.86	22.56	23.06	21.54	22.25	22.04	22.74	23.23
	8H	21.63	22.29	22.14	22.78	23.30	21.82	22.49	22.33	22.98	23.49
	12H	21.85	22.47	22.37	22.95	23.51	22.05	22.67	22.57	23.15	23.71
8H	4H	21.02	21.69	21.53	22.18	22.69	21.16	21.82	21.67	22.31	22.83
	6H	21.80	22.36	22.33	22.86	23.42	21.96	22.51	22.49	23.02	23.57
	8H	22.21	22.69	22.77	23.24	23.78	22.39	22.86	22.94	23.41	23.95
	12H	22.54	22.93	23.10	23.48	24.04	22.72	23.11	23.28	23.66	24.22
12H	4H	21.05	21.67	21.57	22.15	22.71	21.19	21.80	21.70	22.29	22.84
	6H	21.93	22.41	22.48	22.96	23.50	22.08	22.56	22.63	23.11	23.65
	8H	22.35	22.74	22.91	23.29	23.85	22.51	22.91	23.08	23.45	24.02
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.7					0.4/-0.7				
S = 1.5H		0.6/-0.8					0.6/-0.8				
S = 2.0H		1.6/-0.9					1.6/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		2.6					2.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25