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LumCAT:

Luminaire: micro frame r ring w

LampCAT: modulo led 1W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.9700

Test No:

Current(A): 0.0310

Number of Lamps: 1

Power (W): 1.5370

Lamp flux(lm): 131.0

PF: 0.3900

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 11.67, Efficiency(%): 8.91% , Luminous Efficacy(lm/W): 7.59

Central intensity(cd): 0.095, Maximum intensity(cd): 3.666

Angle of maximum intensity: C=90.0 γ =90.0

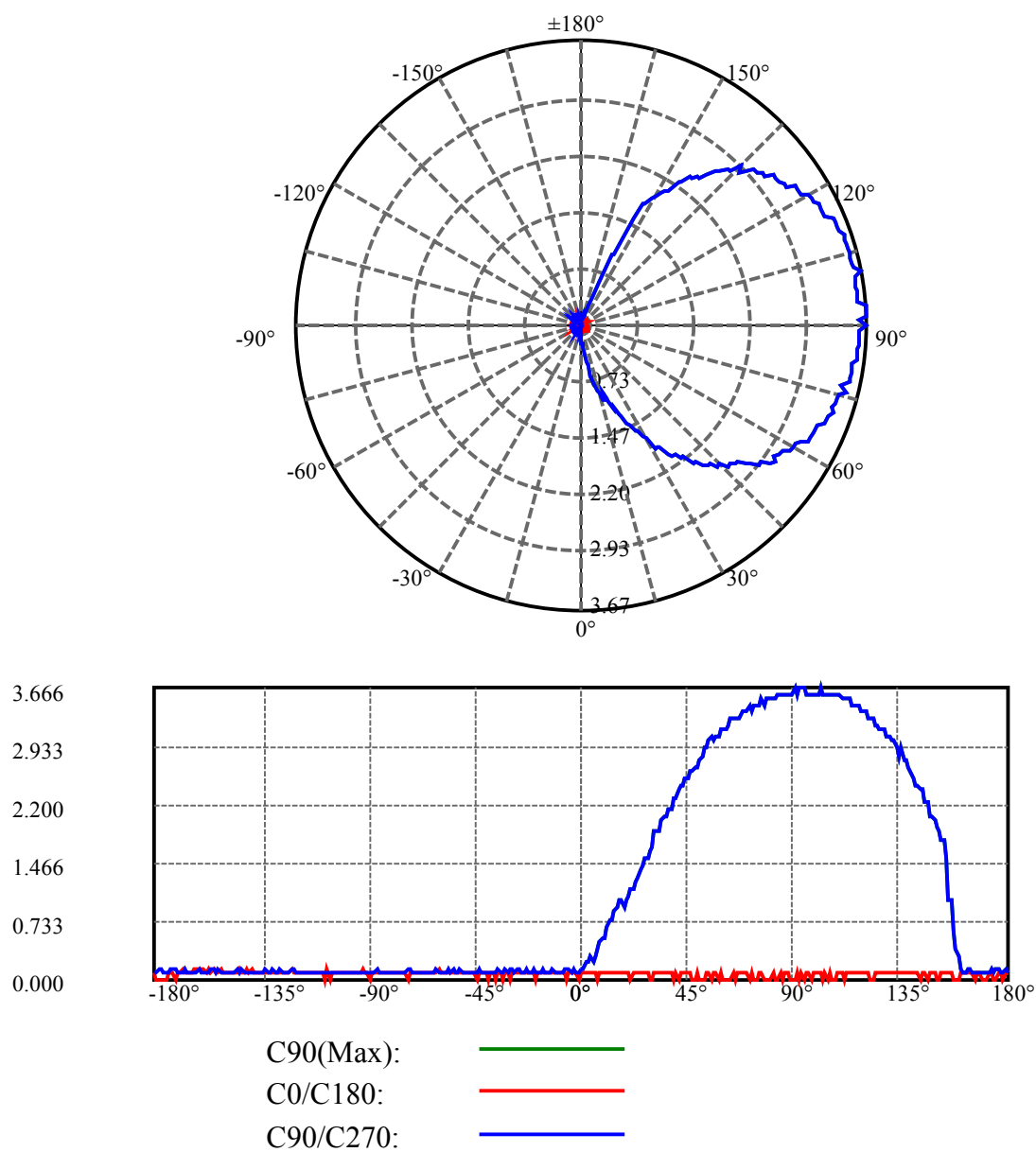
Beam angle of C90 plane : 211.08

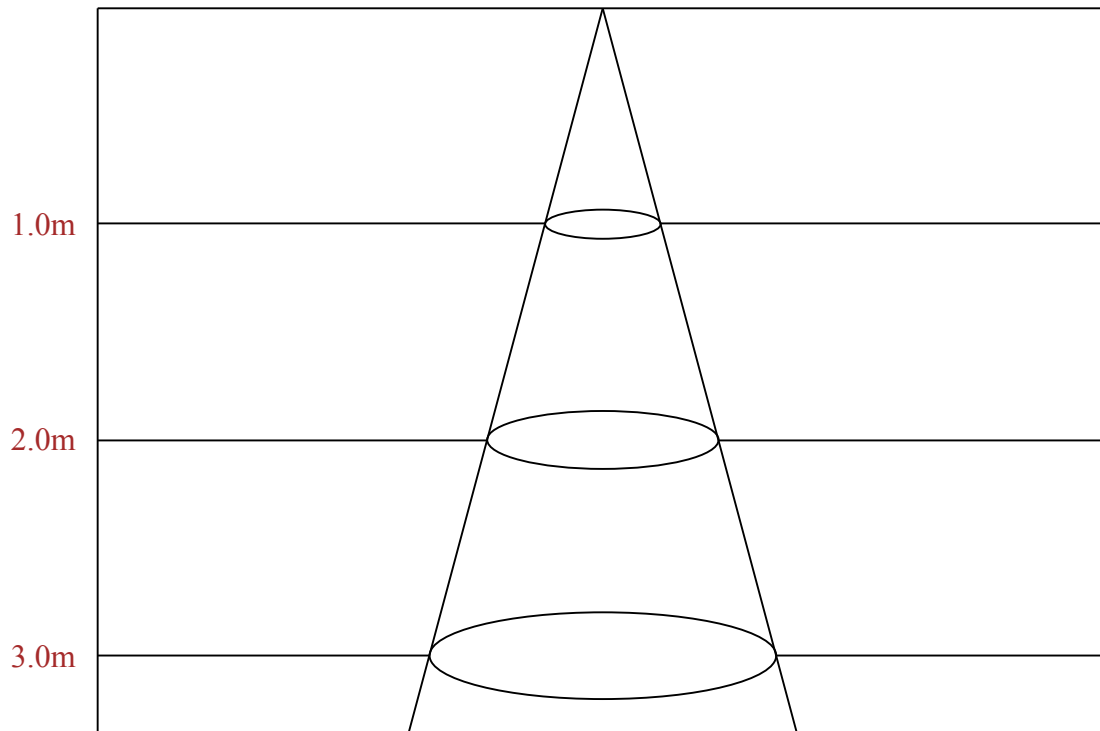
Average BeamAngle(IEC 61341): 121.08

Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 10/06/2025
Humidity(%): 58.0%

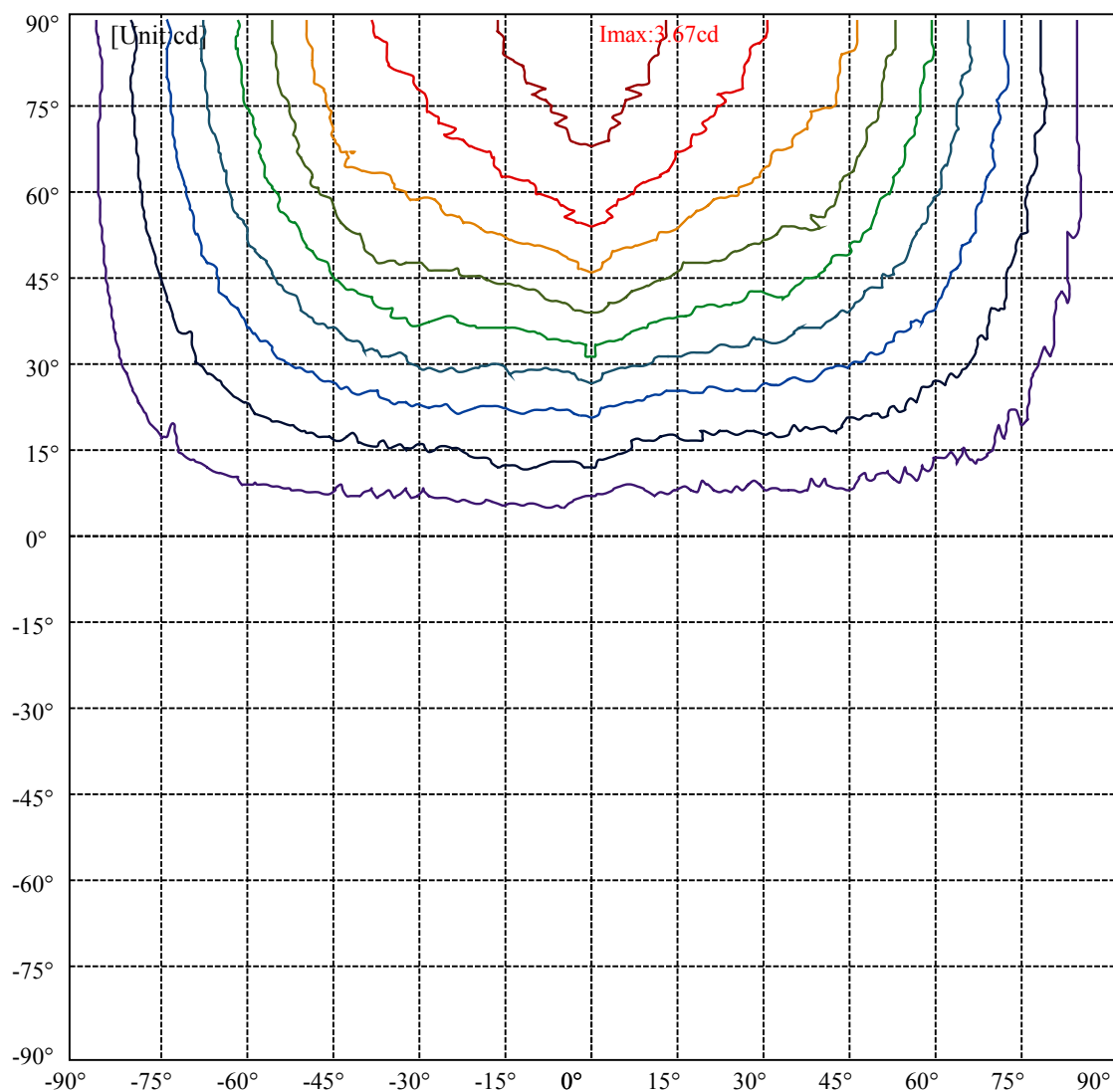
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C90 plane 211.08



(10%Imax) 0.366597	—
(20%Imax) 0.733194	—
(30%Imax) 1.09979	—
(40%Imax) 1.46639	—
(50%Imax) 1.83299	—
(60%Imax) 2.19958	—
(70%Imax) 2.56618	—
(80%Imax) 2.93278	—
(90%Imax) 3.29937	—

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Luminance Limiting Curve(no luminous side)

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Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	110	0	0	0	0	227	300	0	0
C45	1869	2237	2710	3342	4322	5454	7658	11862	23634
C90	2913	3507	4337	5130	6345	8068	10812	16562	33445

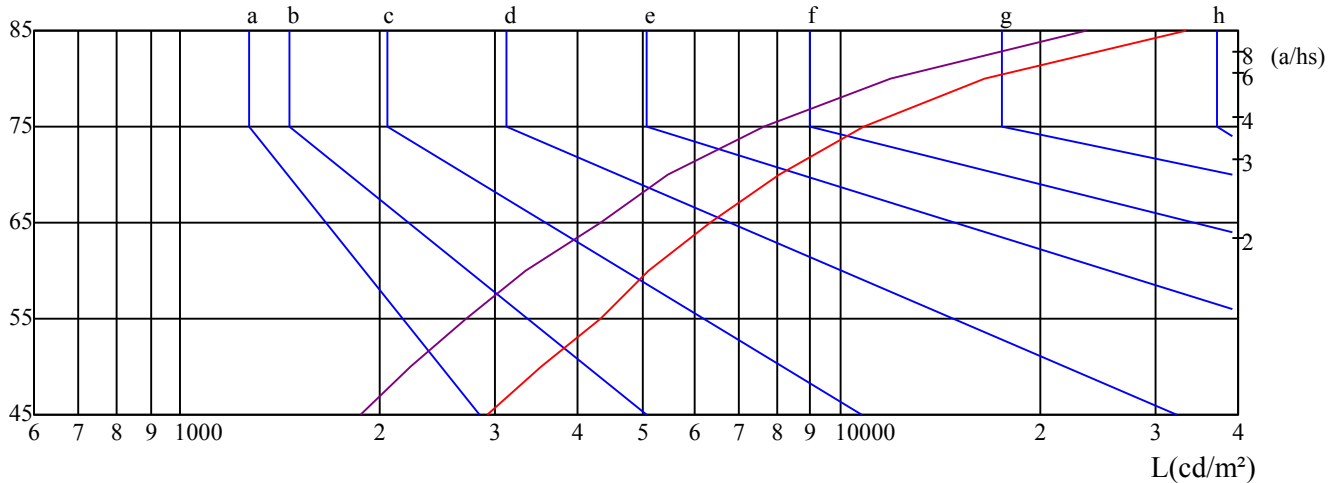
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
92	3265	2368	300	5556	4205	446	17168	12932

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): 25.0

Date: 10/06/2025
Humidity(%): 58.0%

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	9.47	10.49	10.39	11.47	12.74	16.73	17.75	17.66	18.73	20.00
	3H	11.61	12.56	12.55	13.55	14.83	20.85	21.80	21.78	22.78	24.07
	4H	12.56	13.46	13.50	14.45	15.75	23.01	23.91	23.95	24.90	26.20
	6H	13.30	14.15	14.25	15.14	16.45	25.43	26.28	26.38	27.27	28.59
	8H	13.60	14.44	14.56	15.43	16.75	26.73	27.56	27.69	28.56	29.87
	12H	13.87	14.68	14.83	15.67	16.99	28.19	29.00	29.15	30.00	31.32
4H	2H	13.65	14.56	14.60	15.55	16.84	17.50	18.41	18.45	19.40	20.69
	3H	16.10	16.91	17.06	17.91	19.23	21.79	22.60	22.75	23.60	24.92
	4H	17.37	18.11	18.34	19.12	20.45	24.20	24.95	25.17	25.95	27.29
	6H	18.38	19.06	19.36	20.08	21.41	26.80	27.47	27.78	28.50	29.82
	8H	18.82	19.46	19.81	20.49	21.82	28.25	28.89	29.24	29.91	31.25
	12H	19.20	19.80	20.20	20.82	22.18	29.88	30.48	30.87	31.49	32.85
8H	4H	20.26	20.90	21.25	21.93	23.26	24.71	25.35	25.70	26.38	27.71
	6H	21.91	22.46	22.91	23.49	24.85	27.59	28.14	28.59	29.17	30.53
	8H	22.71	23.21	23.72	24.25	25.61	29.29	29.78	30.30	30.83	32.19
	12H	23.35	23.79	24.36	24.85	26.20	31.13	31.57	32.14	32.63	33.98
12H	4H	21.15	21.75	22.15	22.77	24.13	24.80	25.40	25.80	26.42	27.78
	6H	23.22	23.71	24.23	24.76	26.12	27.84	28.33	28.85	29.38	30.74
	8H	24.24	24.68	25.25	25.74	27.09	29.59	30.02	30.60	31.08	32.43
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.6					0.2/-0.8				
S = 1.5H		0.2/-1.5					0.2/-0.7				
S = 2.0H		0.1/-1.4					0.2/-0.6				
Standard tables:		BKBF					BK12				
Uncorrected UGR		12.2					7.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25