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## lumini

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LumCAT:

Luminaire: mini frame a ring w serie 2

LampCAT: modulo led 1W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.9700

Test No:

Current(A): 0.0300

Number of Lamps: 1

Power (W): 1.5070

Lamp flux(lm): 165.0

PF: 0.3910

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 12.70, Efficiency(%): 7.70% , Luminous Efficacy(lm/W): 8.43

Central intensity(cd): 0.143, Maximum intensity(cd): 3.380

Angle of maximum intensity: C=90.0  $\gamma$ =80.0

Beam angle of C90 plane : 211.67

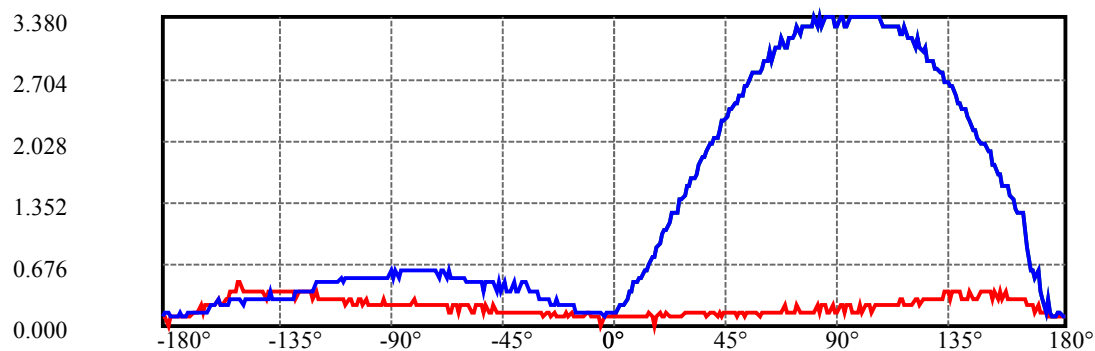
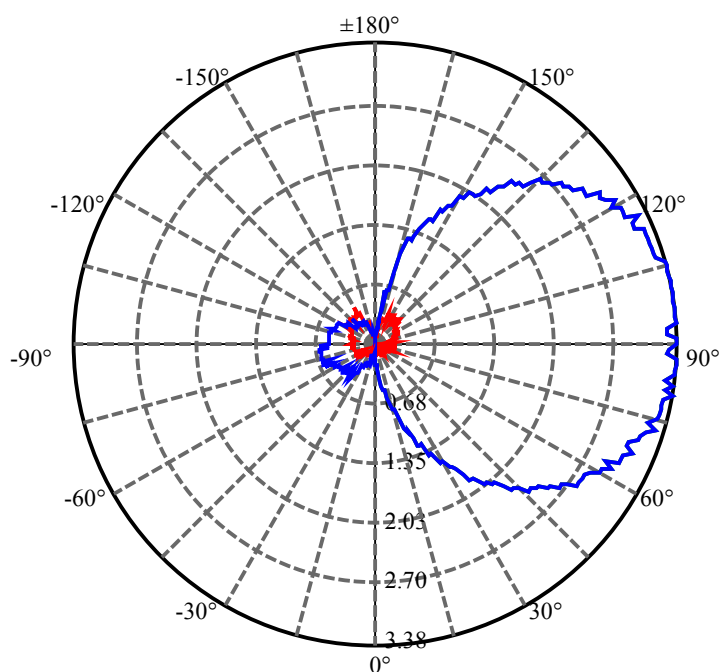
Average BeamAngle(IEC 61341): 180.10

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Equipment: equipamento lumini  
Temperature(°C): 25.0

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

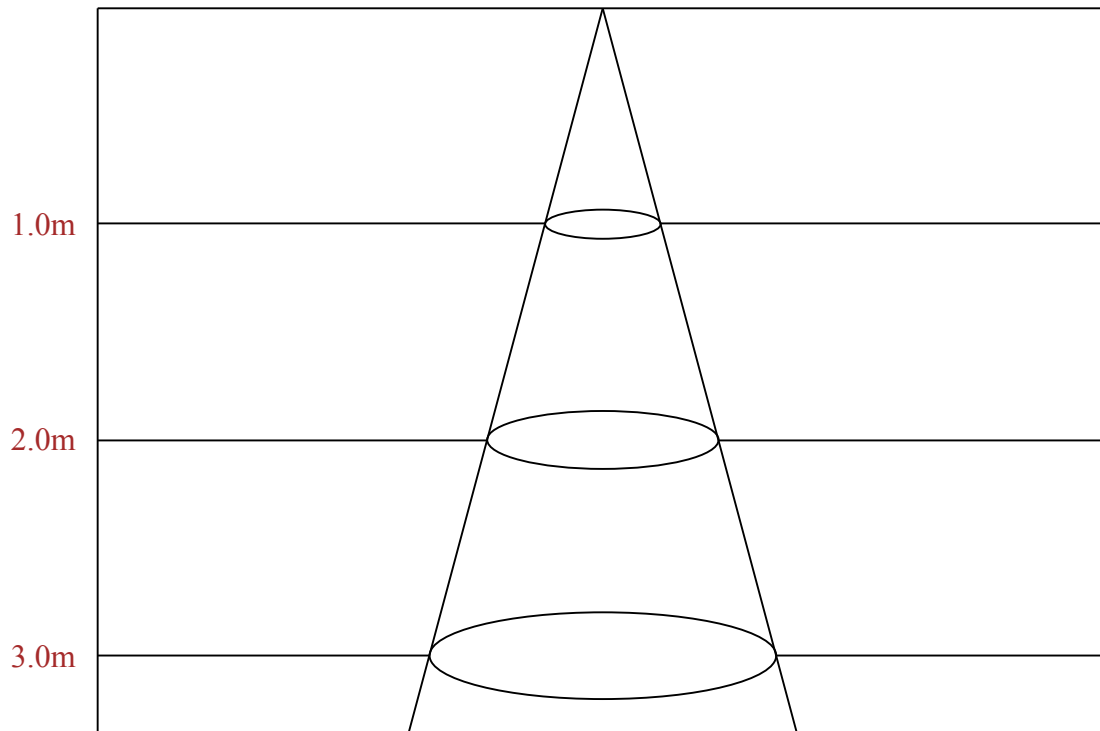
Operator: 01  
Distance(m): 6.90



C90(Max): —

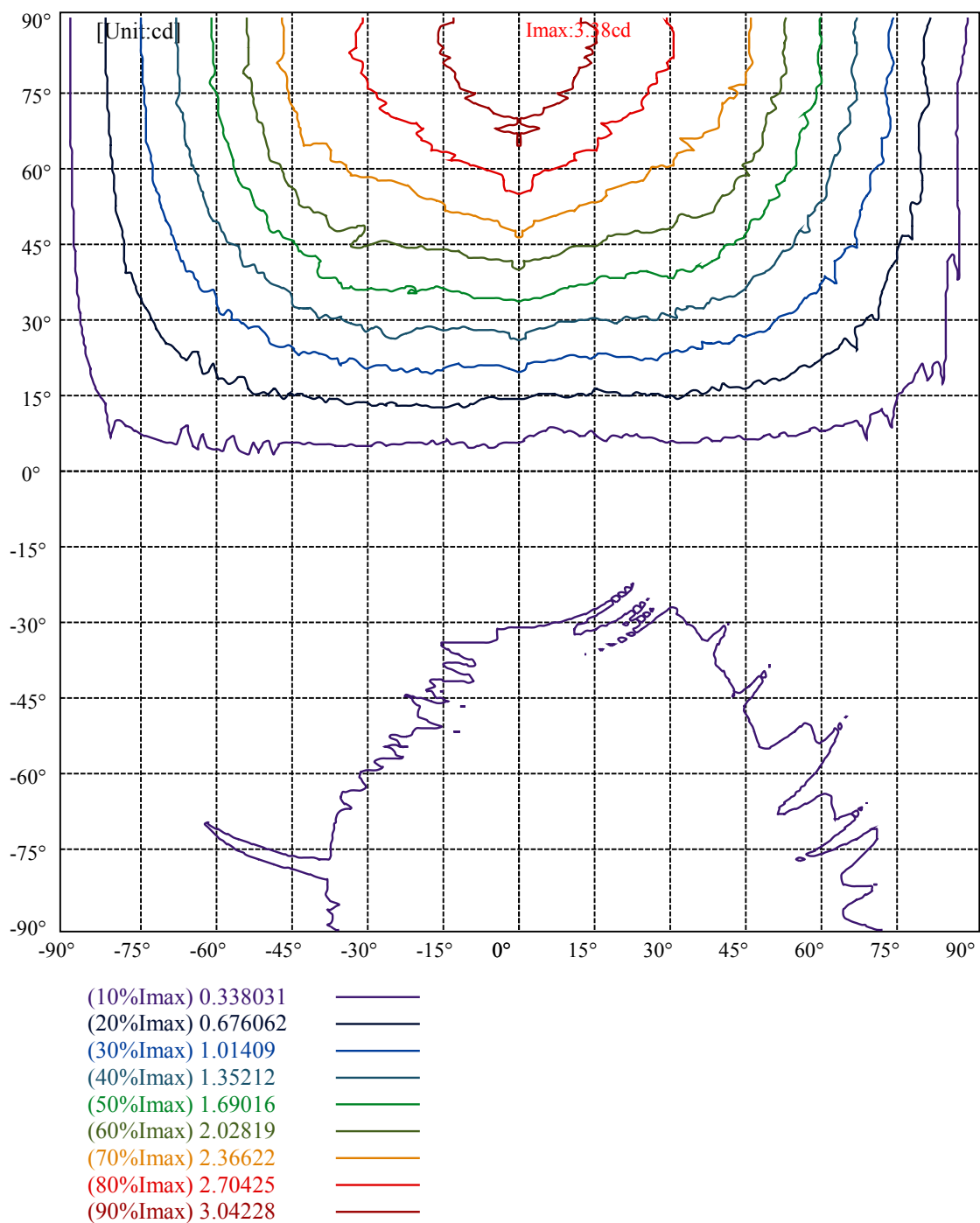
C0/C180: —

C90/C270: —



Max , Ave

Beam angle of C90 plane 211.67



# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	165	181	203	233	276	341	450	671	1338
C45	1759	2237	2710	3342	4138	5341	7208	11191	22296
C90	2638	3205	3930	4742	5886	7500	10361	15891	31661

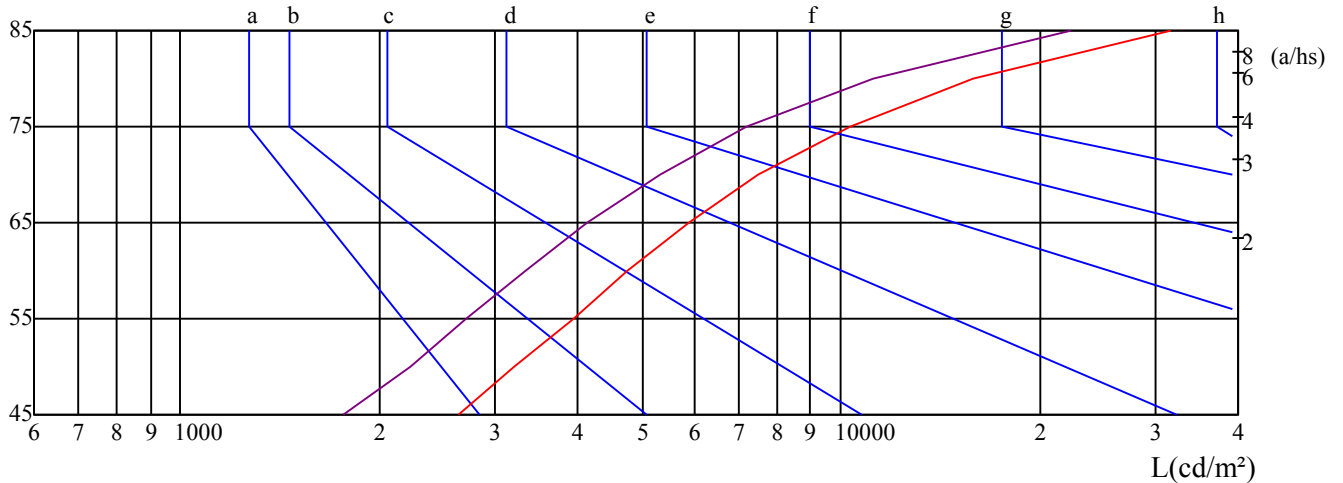
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
276	3449	2437	601	6157	4205	1784	18729	13043

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	9.29	10.30	10.22	11.28	12.56	15.91	16.92	16.84	17.90	19.18
	3H	11.51	12.45	12.45	13.44	14.73	20.02	20.97	20.97	21.96	23.25
	4H	12.57	13.47	13.52	14.47	15.77	22.25	23.14	23.20	24.14	25.44
	6H	13.55	14.40	14.51	15.40	16.72	24.69	25.54	25.65	26.54	27.86
	8H	14.09	14.92	15.06	15.92	17.24	26.00	26.83	26.96	27.83	29.15
	12H	14.66	15.46	15.63	16.47	17.80	27.46	28.26	28.43	29.27	30.59
4H	2H	13.17	14.06	14.12	15.06	16.36	16.73	17.63	17.68	18.62	19.92
	3H	15.68	16.48	16.65	17.49	18.82	21.01	21.81	21.98	22.82	24.15
	4H	16.99	17.73	17.97	18.74	20.08	23.46	24.20	24.44	25.21	26.55
	6H	18.13	18.81	19.13	19.83	21.17	26.07	26.74	27.06	27.77	29.10
	8H	18.73	19.36	19.73	20.39	21.74	27.52	28.16	28.52	29.19	30.53
	12H	19.30	19.89	20.30	20.91	22.28	29.16	29.75	30.15	30.77	32.14
8H	4H	19.70	20.33	20.69	21.36	22.70	23.98	24.61	24.97	25.64	26.98
	6H	21.41	21.96	22.42	22.99	24.36	26.86	27.41	27.87	28.44	29.81
	8H	22.33	22.82	23.35	23.87	25.24	28.57	29.05	29.58	30.10	31.47
	12H	23.09	23.52	24.11	24.59	25.95	30.41	30.84	31.43	31.91	33.27
12H	4H	20.55	21.14	21.54	22.16	23.53	24.07	24.66	25.07	25.68	27.06
	6H	22.66	23.15	23.68	24.20	25.57	27.11	27.60	28.13	28.65	30.02
	8H	23.78	24.21	24.79	25.27	26.63	28.87	29.30	29.88	30.36	31.72
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.6					0.2/-0.8				
S = 1.5H		0.2/-1.6					0.2/-0.8				
S = 2.0H		0.1/-1.4					0.3/-0.8				
Standard tables:		BKBF					BK12				
Uncorrected UGR		11.5					6.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25