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LumCAT:

Luminaire: mini eye r 12V fa

LampCAT: modulo led 4W 27K 12Vdc irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 126.0000

Test No:

Current(A): 0.0530

Number of Lamps: 1

Power (W): 6.6780

Lamp flux(lm): 311.0

PF: 0.0000

Length(mm): 34

Width(mm): 34

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 209.29, Efficiency(%): 67.29% , Luminous Efficacy(lm/W): 31.34

Central intensity(cd): 278.495, Maximum intensity(cd): 278.495

Angle of maximum intensity: C=0.0 γ =0.0

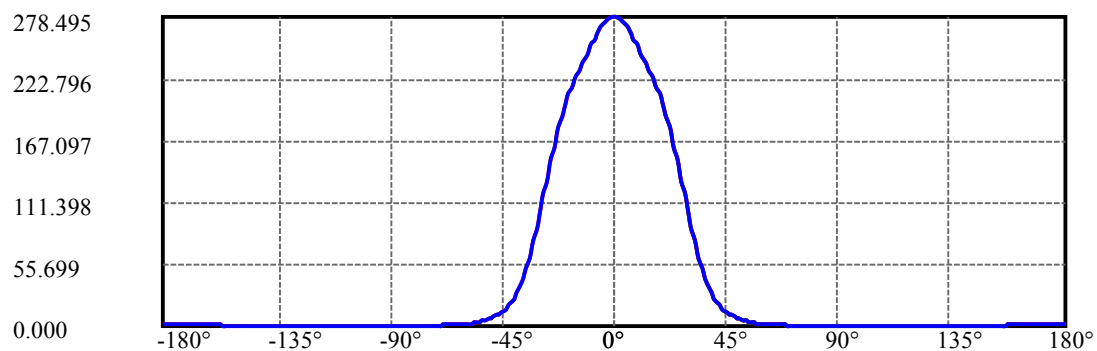
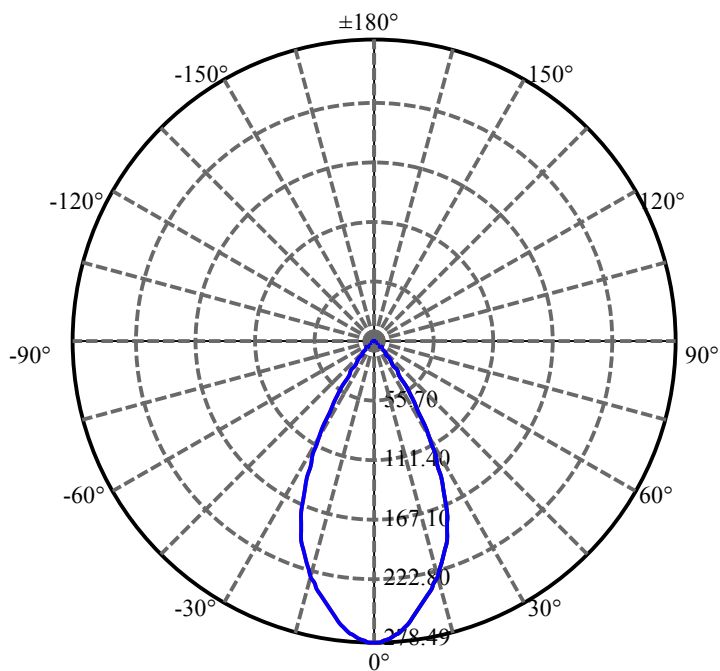
Beam angle of C0 plane : 52.21

Aveage BeamAngle(IEC 61341):52.21

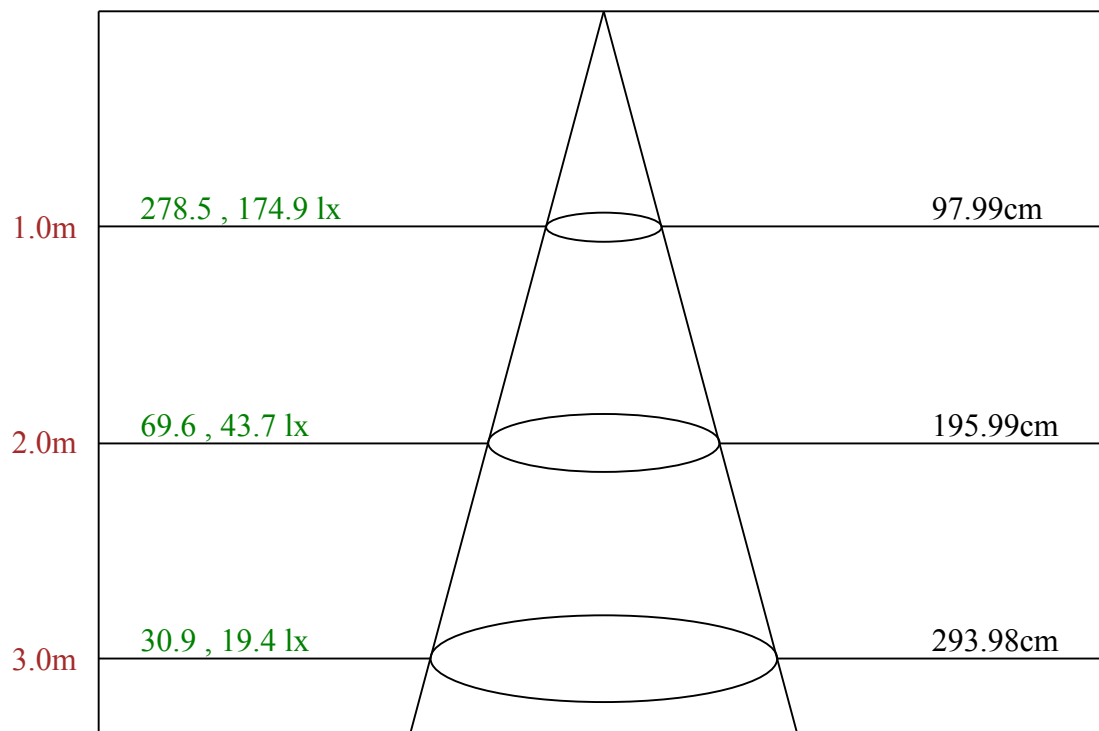
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 30/01/2025
Humidity(%): 55.0%

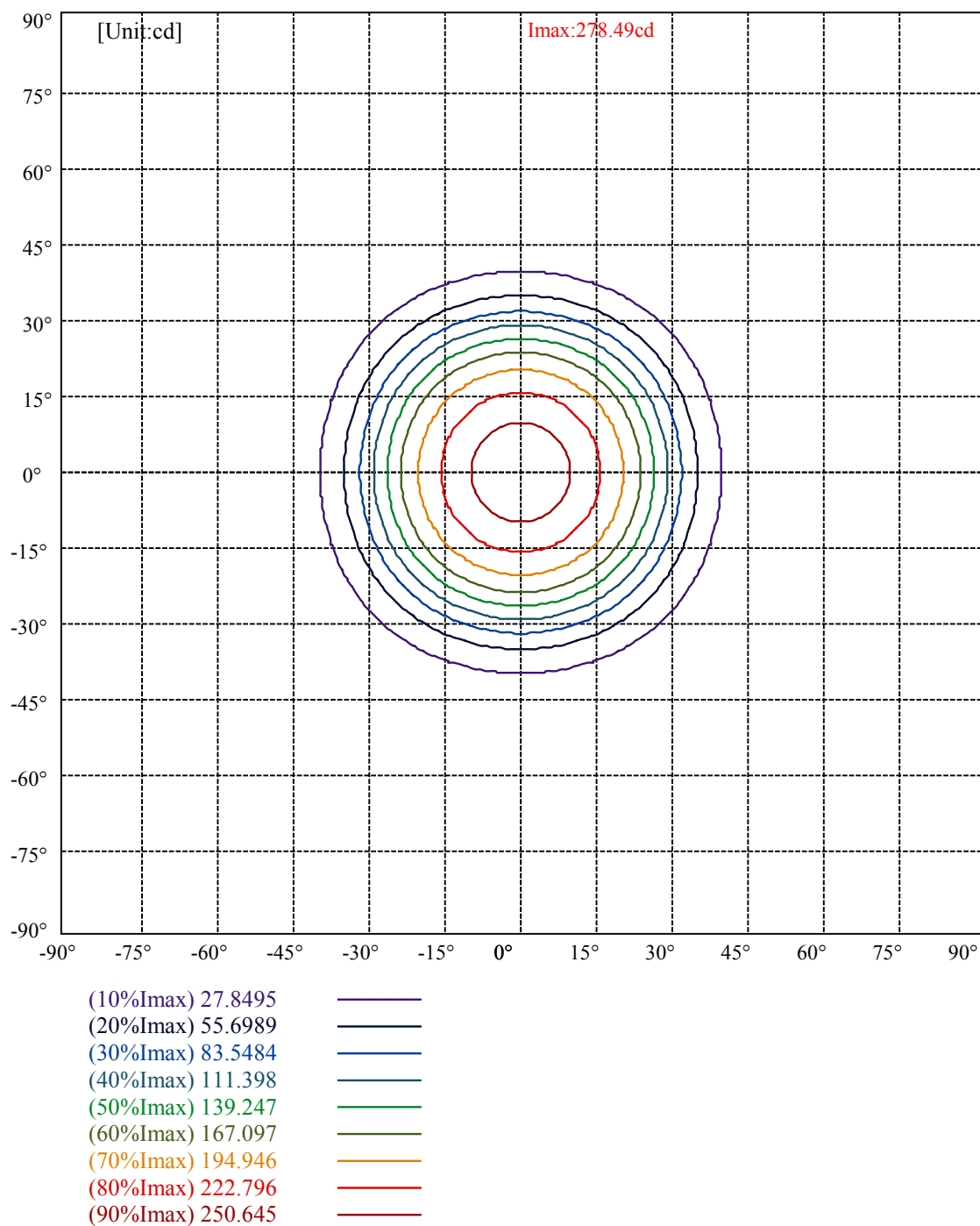
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 52.21



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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	15005	9154	5143	2862	2034	2047	2347	3143	5907
C45	15005	9154	5143	2862	2034	2047	2347	3143	5907
C90	15005	9154	5143	2862	2034	2047	2347	3143	5907

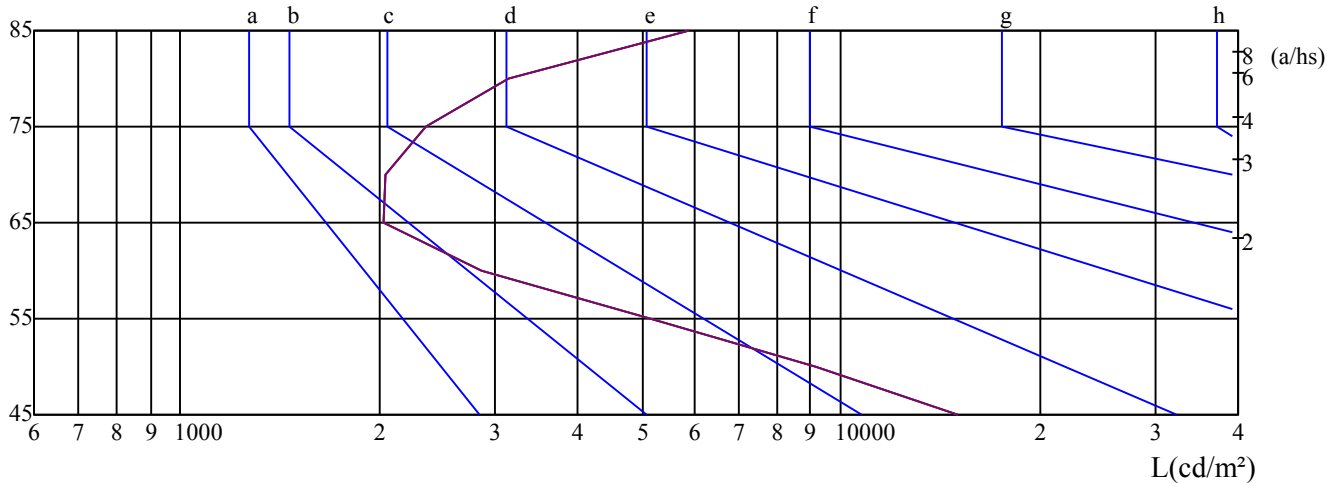
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2034	2034	2034	2347	2347	2347	5907	5907	5907

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): 25.5

Date: 30/01/2025
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	17.47	18.44	17.87	18.79	19.16	18.08	19.04	18.48	19.40	19.76
	3H	17.32	18.18	17.75	18.56	18.95	17.92	18.78	18.34	19.16	19.55
	4H	17.26	18.06	17.70	18.45	18.87	17.86	18.65	18.30	19.05	19.46
	6H	17.25	17.98	17.71	18.39	18.84	17.84	18.56	18.29	18.98	19.42
	8H	17.24	17.93	17.70	18.36	18.81	17.81	18.51	18.27	18.93	19.38
	12H	17.27	17.93	17.73	18.36	18.82	17.83	18.49	18.29	18.92	19.38
4H	2H	17.20	18.00	17.64	18.39	18.81	17.80	18.60	18.24	18.99	19.40
	3H	17.05	17.71	17.51	18.14	18.60	17.63	18.30	18.09	18.73	19.19
	4H	17.04	17.62	17.52	18.08	18.57	17.63	18.20	18.10	18.66	19.15
	6H	17.04	17.54	17.54	18.03	18.53	17.60	18.10	18.11	18.59	19.09
	8H	17.09	17.56	17.61	18.05	18.57	17.64	18.11	18.16	18.60	19.12
	12H	17.22	17.66	17.75	18.14	18.71	17.74	18.18	18.27	18.66	19.23
8H	4H	16.89	17.36	17.41	17.85	18.37	17.47	17.93	17.98	18.43	18.94
	6H	16.93	17.32	17.47	17.83	18.39	17.48	17.86	18.02	18.38	18.93
	8H	17.10	17.43	17.67	17.98	18.52	17.62	17.94	18.19	18.50	19.04
	12H	17.34	17.59	17.92	18.14	18.71	17.82	18.08	18.40	18.62	19.19
12H	4H	16.85	17.29	17.38	17.77	18.34	17.43	17.86	17.95	18.34	18.91
	6H	16.96	17.28	17.52	17.84	18.38	17.50	17.82	18.06	18.38	18.92
	8H	17.12	17.38	17.70	17.93	18.49	17.63	17.88	18.21	18.43	19.00
Variation with the observer position at spacings:											
S = 1.0H		4.6/-6.6					4.6/-6.6				
S = 1.5H		7.1/-7.4					7.1/-7.4				
S = 2.0H		8.9/-6.5					8.9/-6.5				
Standard tables:		BK1					BK1				
Uncorrected UGR		-1.0					-1.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25