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LumCAT:

Luminaire: mini frame darklight 50 serie 2 e fa

LampCAT: modulo led 18W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0200

Test No:

Current(A): 0.1650

Number of Lamps: 1

Power (W): 20.7810

Lamp flux(lm): 2190.0

PF: 0.9890

Length(mm): 486

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1680.56, Efficiency(%): 76.74% , Luminous Efficacy(lm/W): 80.87

Central intensity(cd): 2020.568, Maximum intensity(cd): 2027.359

Angle of maximum intensity: C=0.0 γ =5.0

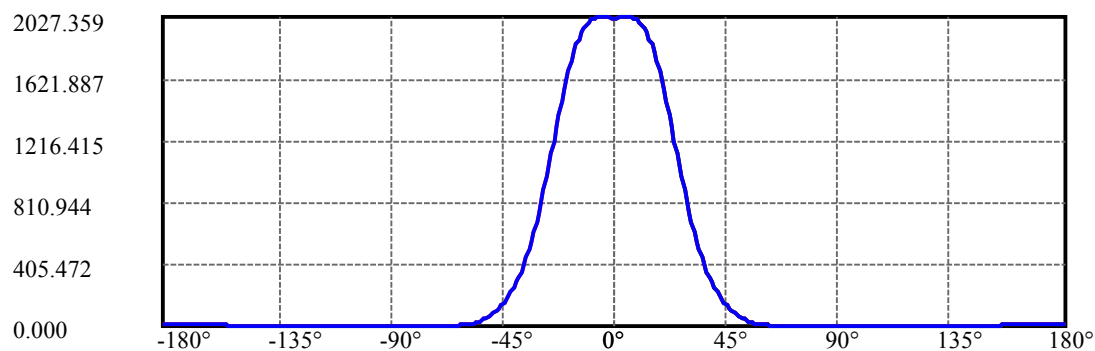
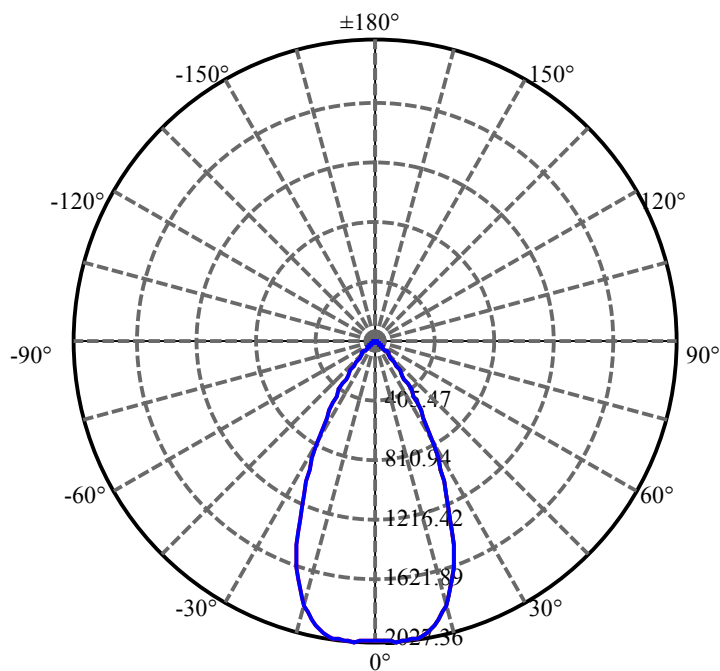
Beam angle of C0 plane : 53.16

Average BeamAngle(IEC 61341): 53.16

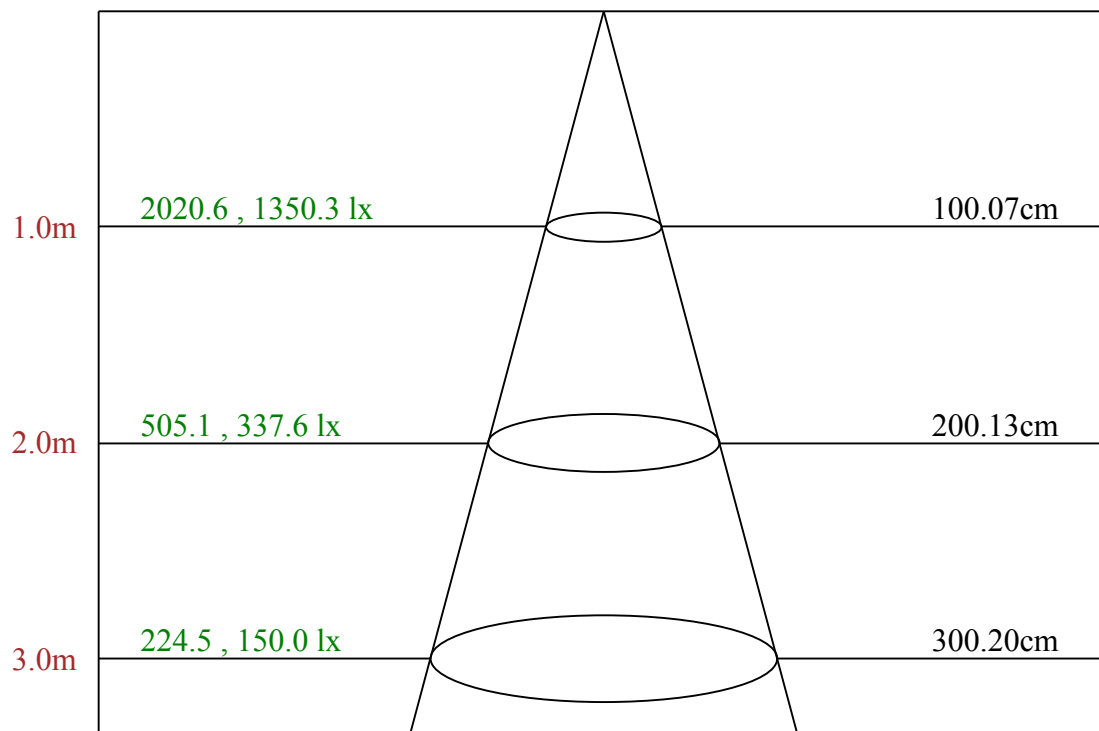
Equipment: equipamento lumini
Temperature(°C): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

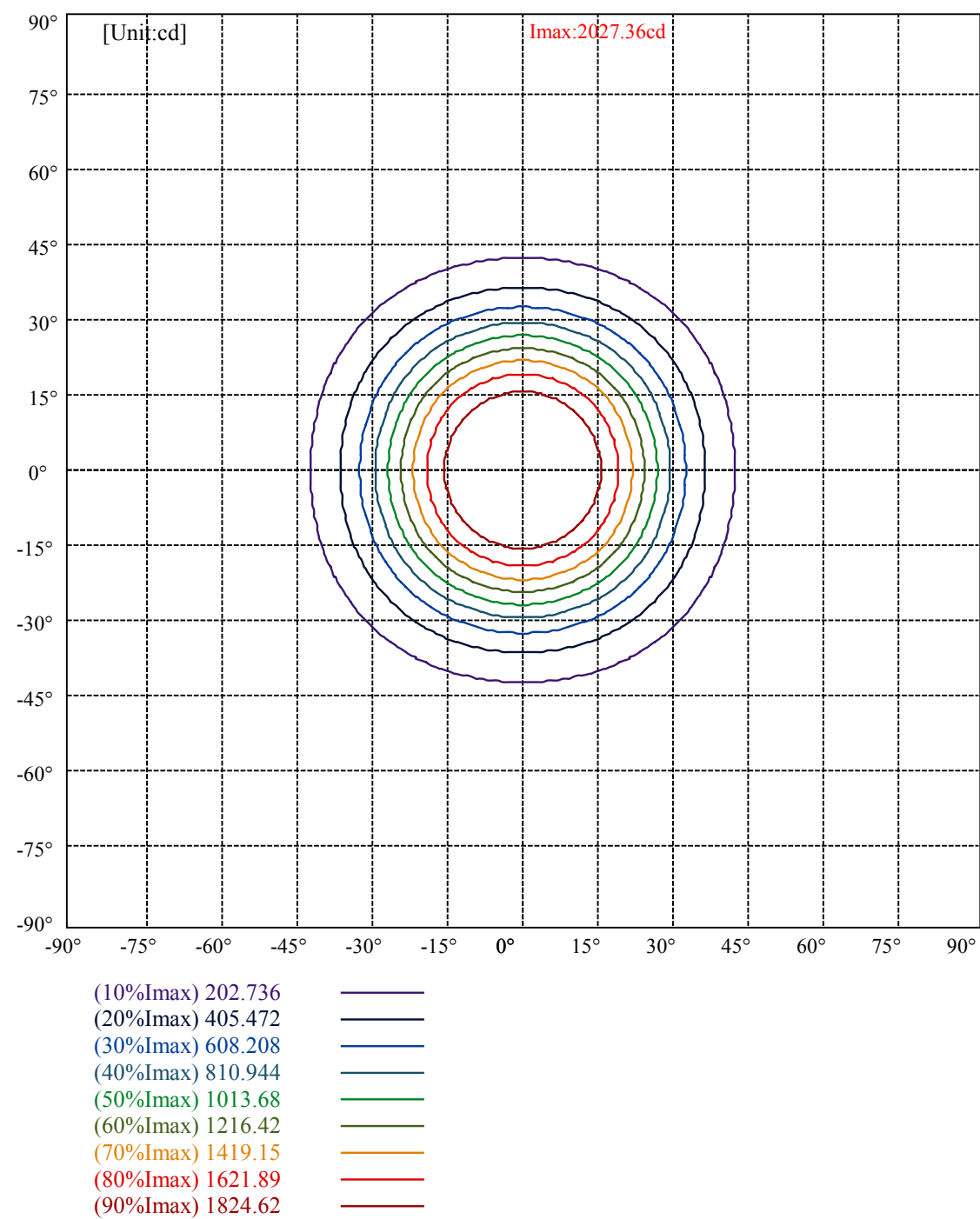
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 53.16



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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	15818	8326	3324	1243	832	951	1255	1862	3715
C45	15818	8326	3324	1243	832	951	1255	1862	3715
C90	15818	8326	3324	1243	832	951	1255	1862	3715

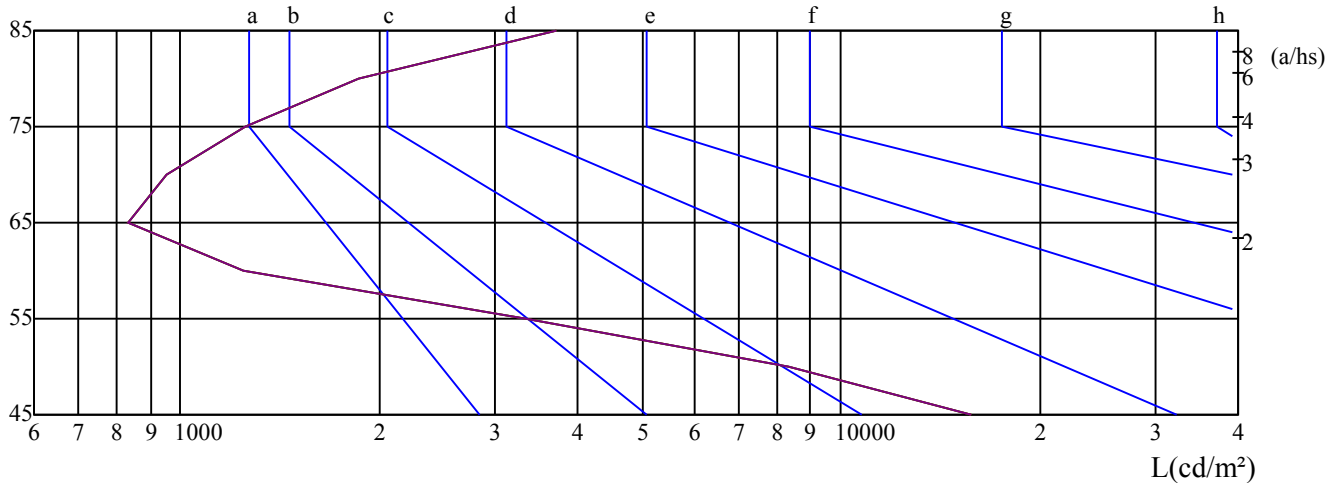
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
832	832	832	1255	1255	1255	3715	3715	3715

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): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

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	18.35	19.33	18.75	19.68	20.05	18.89	19.87	19.28	20.22	20.58
	3H	18.16	19.03	18.58	19.41	19.80	18.69	19.56	19.11	19.94	20.33
	4H	18.07	18.87	18.50	19.27	19.68	18.60	19.40	19.03	19.80	20.21
	6H	18.01	18.74	18.46	19.16	19.60	18.54	19.27	18.99	19.68	20.12
	8H	17.96	18.66	18.41	19.08	19.53	18.48	19.18	18.93	19.60	20.05
	12H	17.93	18.59	18.39	19.02	19.48	18.44	19.11	18.90	19.54	20.00
4H	2H	18.07	18.88	18.51	19.27	19.68	18.60	19.41	19.04	19.80	20.21
	3H	17.85	18.52	18.31	18.95	19.41	18.37	19.04	18.83	19.47	19.93
	4H	17.80	18.38	18.27	18.83	19.32	18.32	18.90	18.79	19.35	19.84
	6H	17.70	18.21	18.21	18.70	19.19	18.22	18.73	18.72	19.21	19.71
	8H	17.69	18.16	18.21	18.65	19.17	18.20	18.67	18.71	19.16	19.67
	12H	17.71	18.15	18.23	18.63	19.19	18.21	18.64	18.73	19.13	19.69
8H	4H	17.61	18.08	18.13	18.57	19.09	18.13	18.60	18.64	19.09	19.61
	6H	17.53	17.91	18.06	18.42	18.98	18.03	18.42	18.57	18.93	19.48
	8H	17.58	17.91	18.15	18.46	19.00	18.08	18.41	18.64	18.96	19.50
	12H	17.66	17.91	18.23	18.46	19.02	18.13	18.39	18.71	18.94	19.50
12H	4H	17.56	18.00	18.08	18.48	19.04	18.08	18.52	18.60	19.00	19.56
	6H	17.52	17.85	18.09	18.40	18.94	18.03	18.36	18.59	18.91	19.45
	8H	17.56	17.81	18.13	18.36	18.92	18.05	18.31	18.62	18.85	19.41
Variation with the observer position at spacings:											
S = 1.0H		4.0/-8.9					4.0/-8.9				
S = 1.5H		6.6/-10.6					6.6/-10.6				
S = 2.0H		8.5/-9.2					8.5/-9.2				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.6					-1.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25