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lumini

LumCAT:

Luminaire: led line perfil 24V 30 c lp 12W

LampCAT: modulo led line 24W/m 24Vdc 30K irc 90

Ballast type: led line driver 24V

Report No:

Voltage(V): 126.0000

Test No:

Current(A): 0.1380

Number of Lamps: 1

Power (W): 17.3880

Lamp flux(lm): 1078.0

PF: 0.0000

Length(mm): 500

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 837.16, Efficiency(%): 77.66% , Luminous Efficacy(lm/W): 48.15

Central intensity(cd): 515.224, Maximum intensity(cd): 516.259

Angle of maximum intensity: C=0.0 γ =7.0

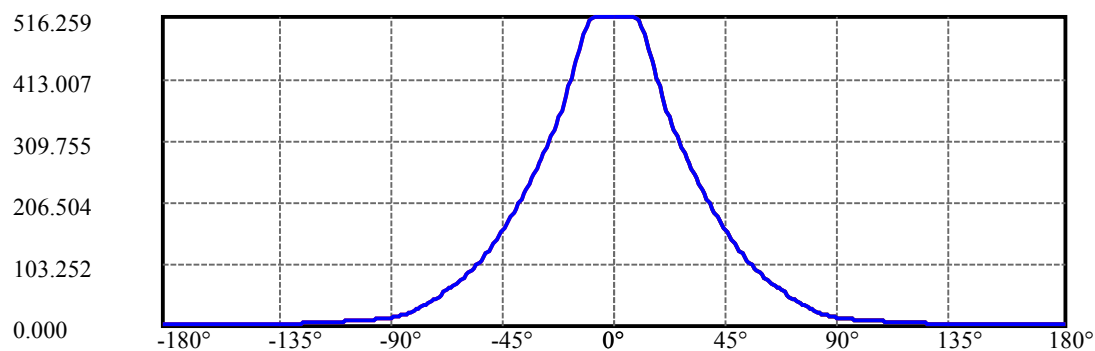
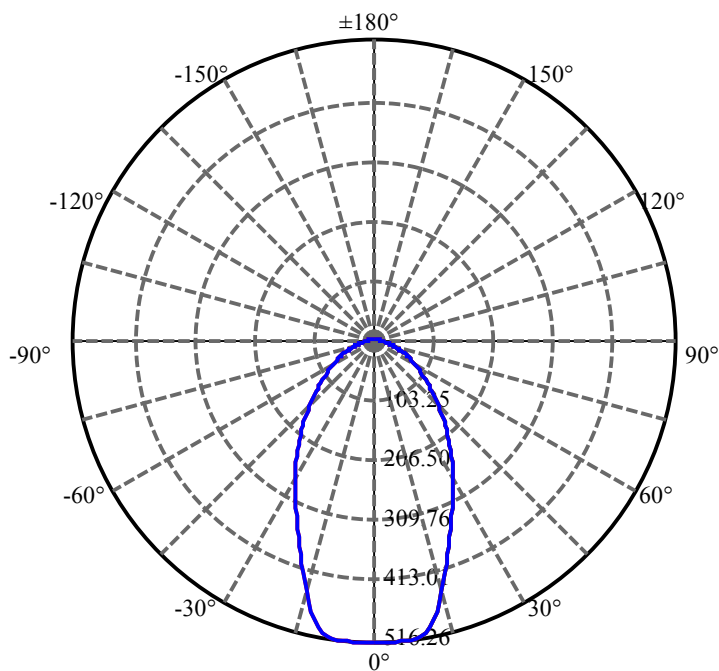
Beam angle of C0 plane : 63.25

Average BeamAngle(IEC 61341): 63.25

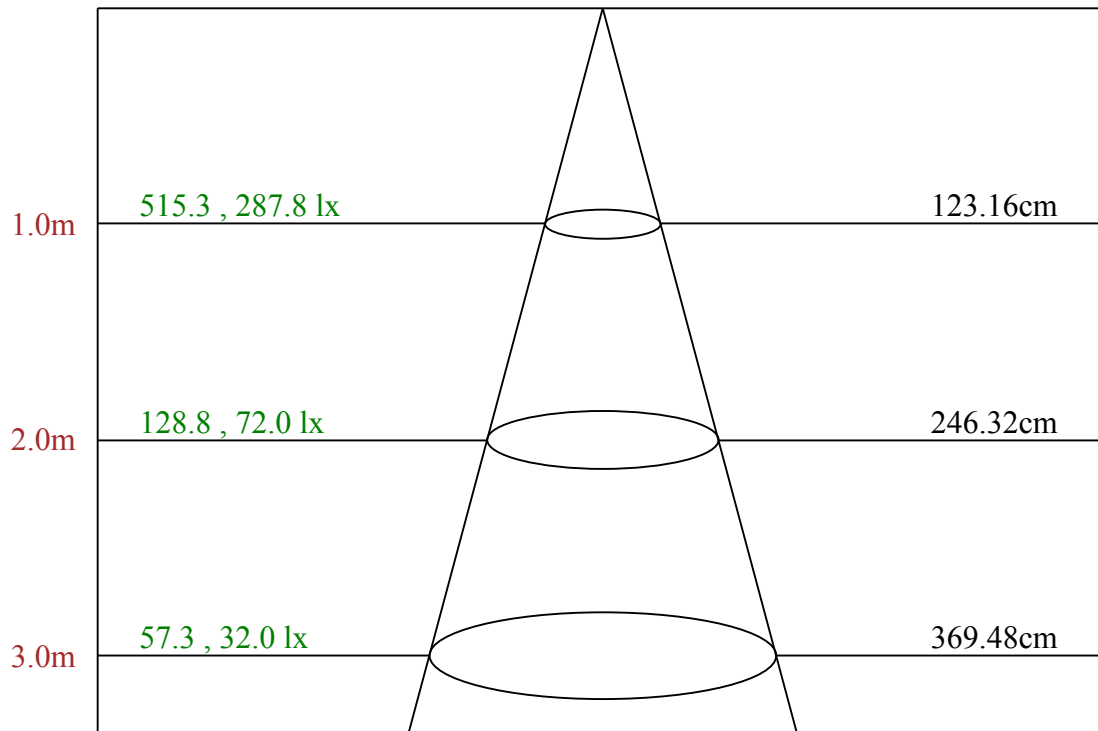
Equipment: equipamento lumini
Temperature(°C): 25.9

Date: 24/01/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90

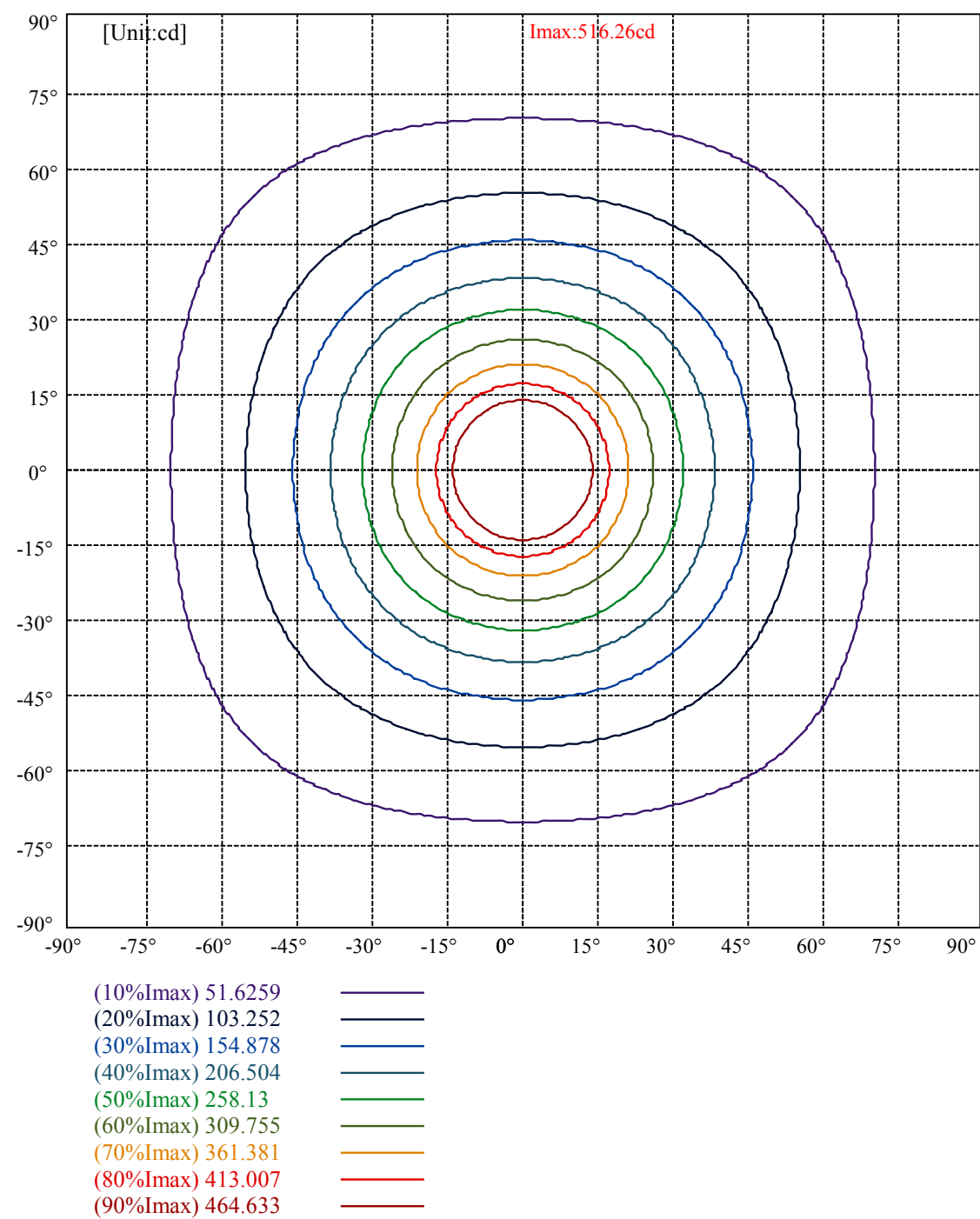


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 63.25



Luminance Table

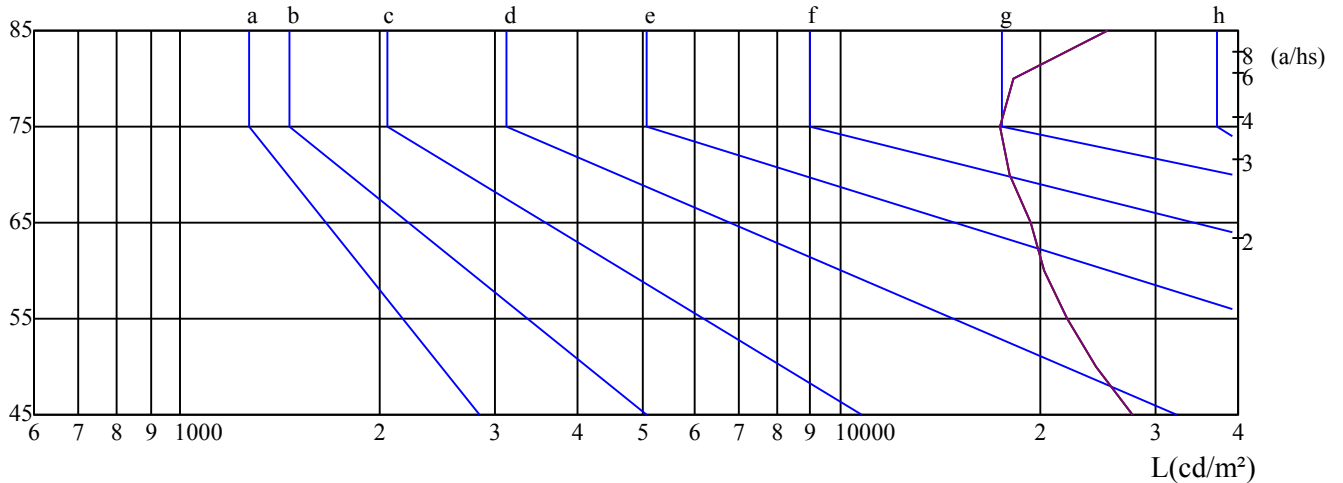
γ	45	50	55	60	65	70	75	80	85
C0	27718	24434	22063	20386	19364	18083	17478	18293	25359
C45	27718	24434	22063	20386	19364	18083	17478	18293	25359
C90	27718	24434	22063	20386	19364	18083	17478	18293	25359

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
19364	19364	19364	17478	17478	17478	25359	25359	25359

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 ———

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	20.82	22.20	21.26	22.61	23.05	24.11	25.48	24.54	25.90	26.33
	3H	22.78	24.02	23.24	24.46	24.92	25.20	26.44	25.66	26.88	27.34
	4H	23.45	24.62	23.92	25.07	25.54	25.57	26.73	26.04	27.18	27.66
	6H	24.19	25.27	24.67	25.73	26.24	25.82	26.91	26.31	27.37	27.88
	8H	24.56	25.61	25.05	26.08	26.59	25.86	26.90	26.35	27.37	27.89
	12H	25.01	26.01	25.50	26.49	27.01	25.86	26.86	26.35	27.34	27.86
4H	2H	21.61	22.78	22.08	23.23	23.71	24.28	25.45	24.76	25.90	26.38
	3H	23.65	24.65	24.15	25.13	25.65	25.58	26.57	26.07	27.05	27.57
	4H	24.54	25.42	25.05	25.92	26.47	26.14	27.02	26.65	27.53	28.08
	6H	25.42	26.20	25.96	26.73	27.29	26.51	27.30	27.05	27.82	28.38
	8H	25.91	26.64	26.46	27.17	27.75	26.63	27.36	27.18	27.90	28.47
	12H	26.48	27.16	27.03	27.69	28.30	26.70	27.38	27.25	27.91	28.52
8H	4H	24.95	25.68	25.50	26.22	26.79	26.35	27.08	26.90	27.62	28.19
	6H	26.05	26.67	26.62	27.22	27.83	26.89	27.50	27.45	28.05	28.66
	8H	26.73	27.27	27.32	27.86	28.46	27.15	27.69	27.74	28.28	28.88
	12H	27.49	27.94	28.08	28.53	29.15	27.31	27.77	27.91	28.36	28.97
12H	4H	25.01	25.69	25.56	26.21	26.83	26.39	27.07	26.94	27.60	28.21
	6H	26.23	26.77	26.82	27.36	27.96	27.04	27.58	27.63	28.17	28.76
	8H	26.96	27.41	27.56	28.00	28.62	27.33	27.78	27.93	28.37	28.99
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.5					0.2/-0.5				
S = 1.5H		0.7/-0.8					0.7/-0.8				
S = 2.0H		0.8/-0.9					0.8/-0.9				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		11.3					11.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25