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LumCAT:

Luminaire: box 1 a w1

LampCAT: modulo led tr 5W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.9300

Test No:

Current(A): 0.0390

Number of Lamps: 1

Power (W): 4.6480

Lamp flux(lm): 290.0

PF: 0.9360

Length(mm): 124

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 108.84, Efficiency(%): 37.53% , Luminous Efficacy(lm/W): 23.42

Central intensity(cd): 37.945, Maximum intensity(cd): 37.945

Angle of maximum intensity: C=0.0 γ =0.0

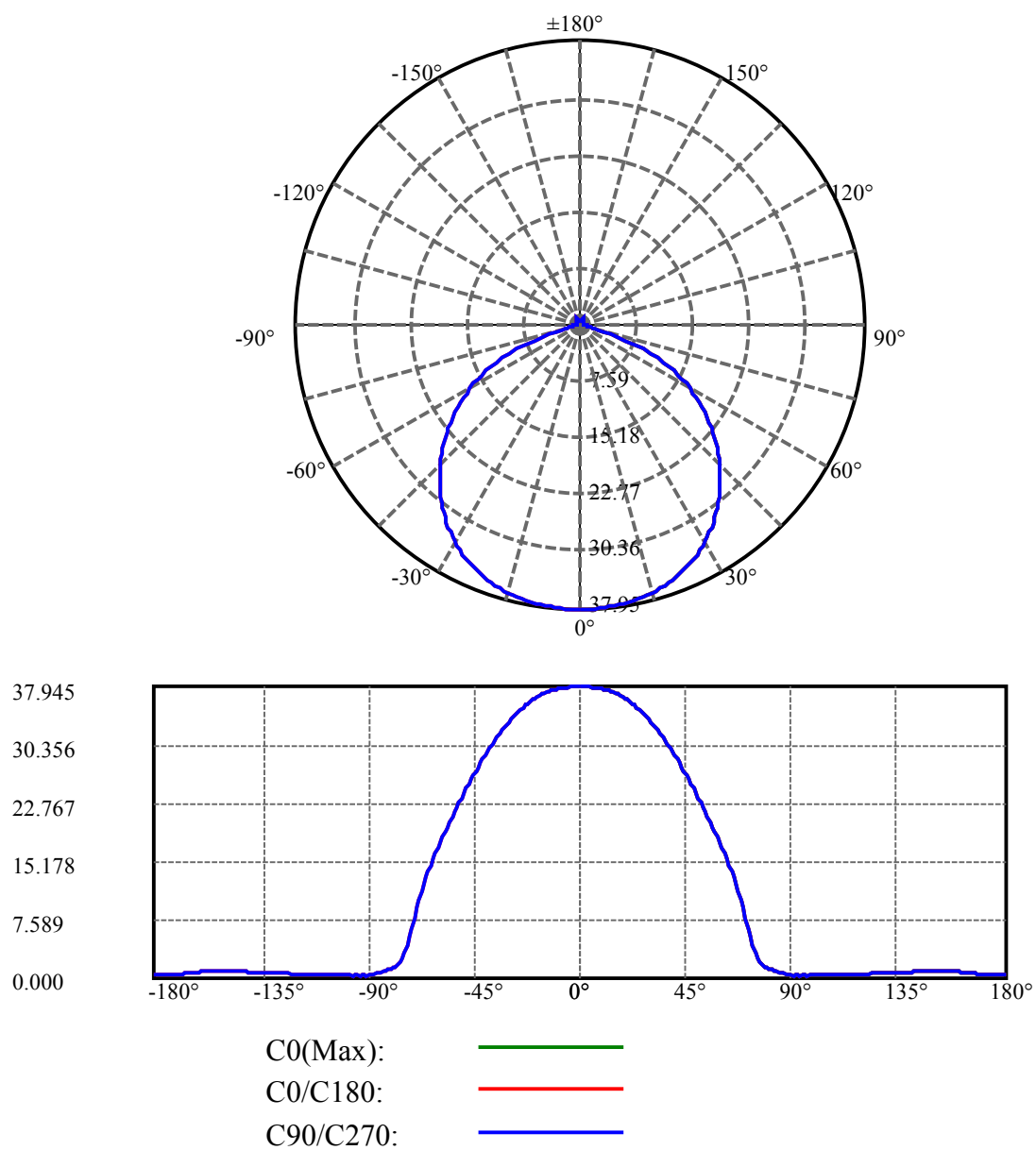
Beam angle of C0 plane : 114.15

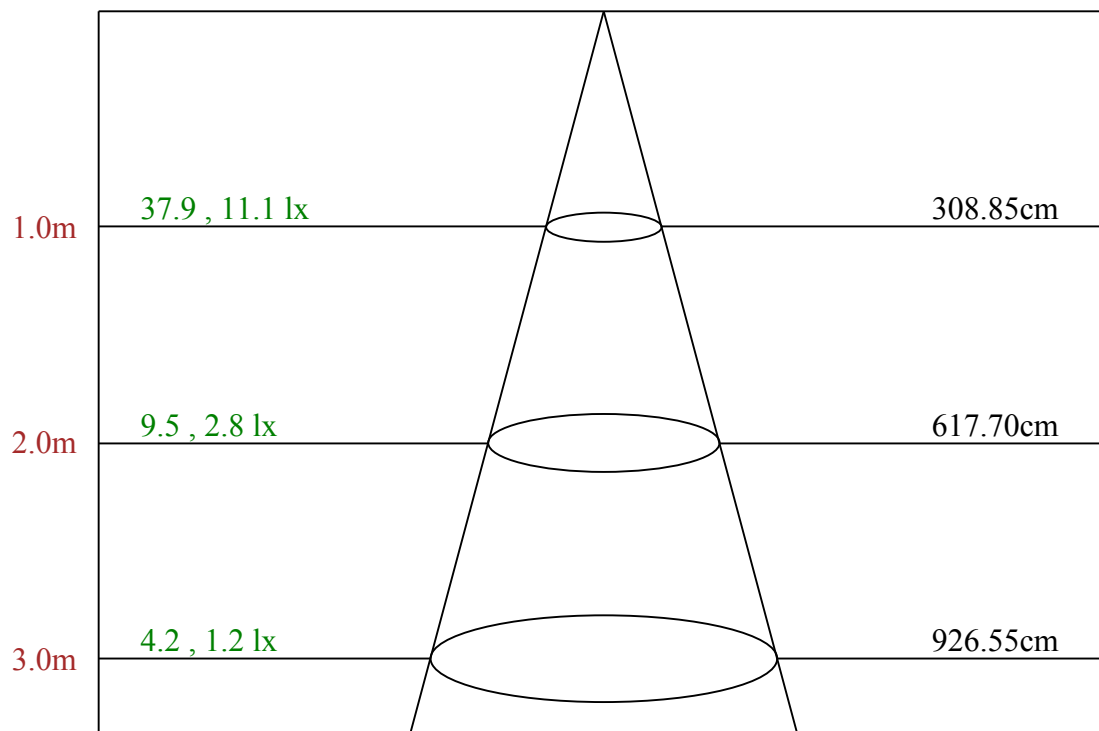
Aveage BeamAngle(IEC 61341):114.15

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 03/02/2026
Humidity(%): 55.0%

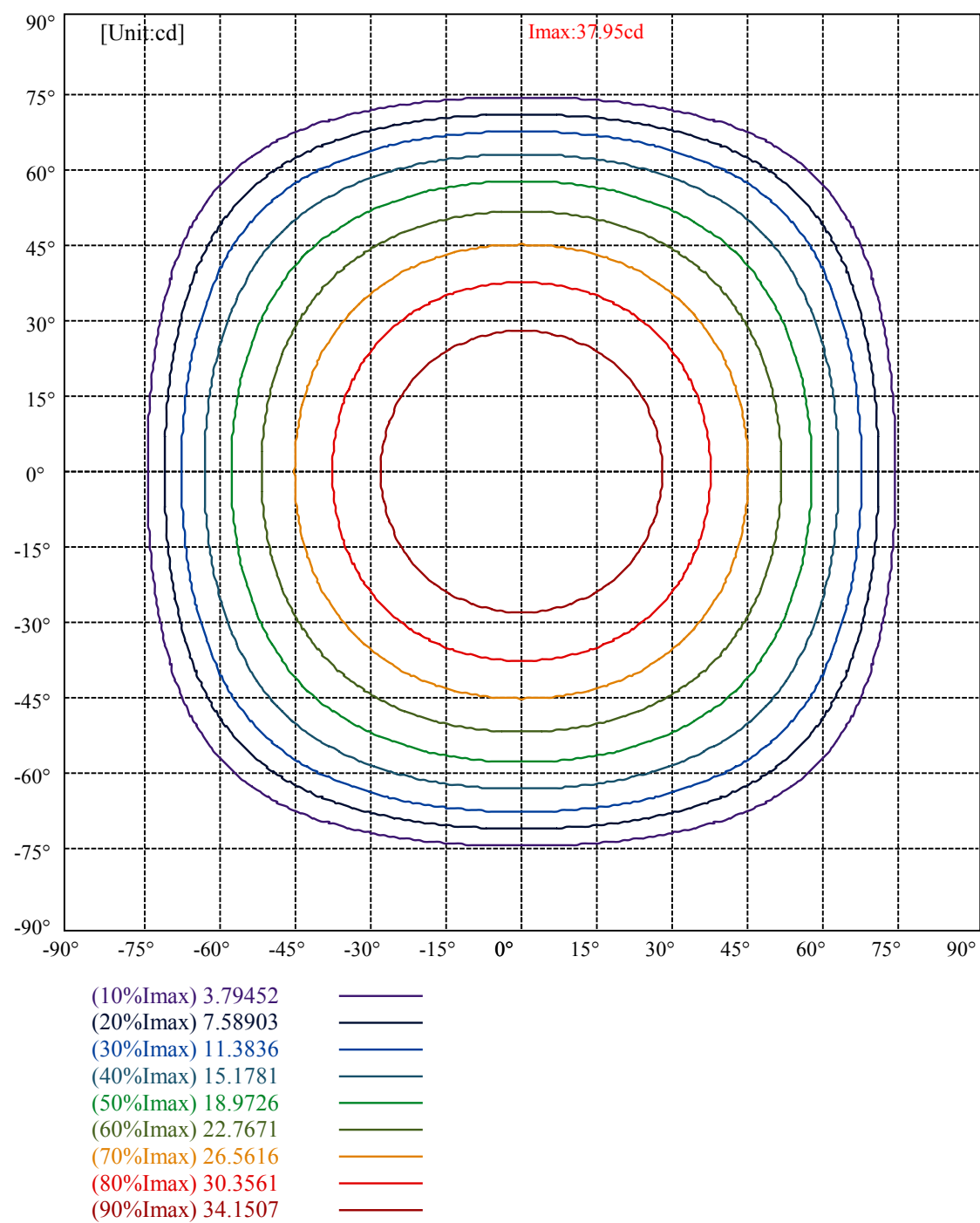
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 114.15



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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	2422	2371	2300	2205	2020	1480	642	450	524
C45	2422	2371	2300	2205	2020	1480	642	450	524
C90	2422	2371	2300	2205	2020	1480	642	450	524

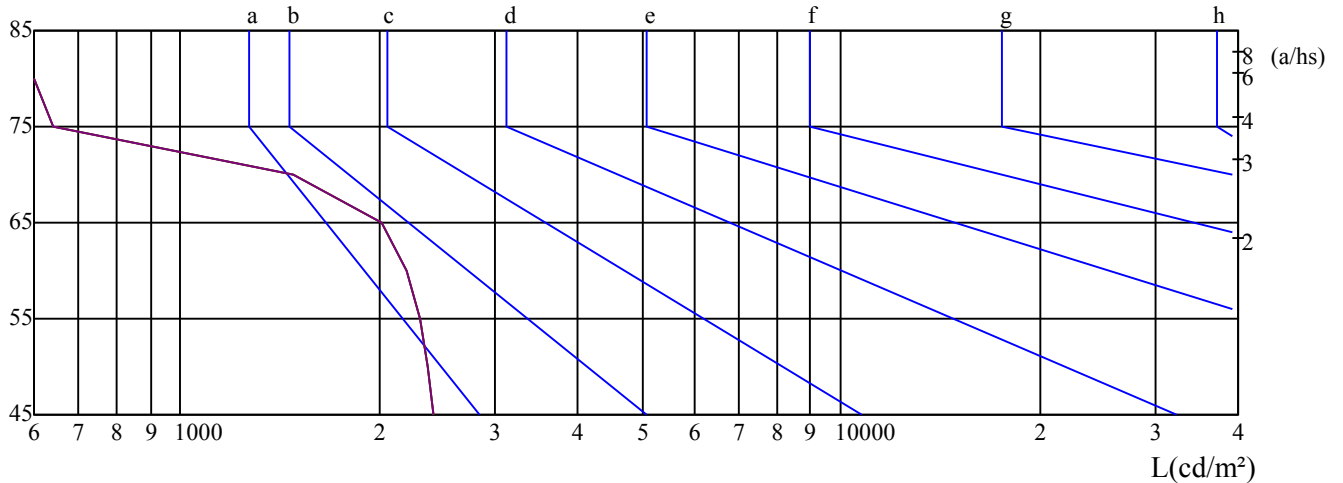
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2020	2020	2020	642	642	642	524	524	524

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($^{\circ}\text{C}$): 25.5

Date: 03/02/2026
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	15.43	16.95	15.85	17.34	17.74	15.24	16.75	15.65	17.14	17.54
	3H	16.65	18.02	17.09	18.43	18.85	16.25	17.62	16.69	18.03	18.45
	4H	16.72	18.00	17.17	18.42	18.87	16.26	17.54	16.71	17.96	18.41
	6H	16.74	17.93	17.20	18.36	18.84	16.24	17.42	16.70	17.86	18.33
	8H	16.72	17.86	17.18	18.30	18.78	16.19	17.33	16.66	17.78	18.26
	12H	16.70	17.79	17.17	18.24	18.73	16.15	17.25	16.63	17.70	18.19
4H	2H	16.13	17.41	16.58	17.83	18.28	15.98	17.26	16.43	17.68	18.12
	3H	17.44	18.52	17.91	18.97	19.46	17.09	18.17	17.56	18.62	19.11
	4H	17.59	18.54	18.08	19.02	19.54	17.18	18.13	17.67	18.61	19.13
	6H	17.59	18.43	18.11	18.93	19.46	17.13	17.97	17.65	18.47	19.00
	8H	17.60	18.39	18.13	18.89	19.43	17.12	17.90	17.64	18.41	18.95
	12H	17.62	18.35	18.16	18.85	19.43	17.11	17.84	17.64	18.34	18.92
8H	4H	17.63	18.42	18.16	18.92	19.46	17.25	18.03	17.78	18.54	19.08
	6H	17.64	18.29	18.19	18.82	19.39	17.20	17.85	17.75	18.38	18.96
	8H	17.72	18.28	18.29	18.85	19.42	17.25	17.81	17.82	18.38	18.94
	12H	17.76	18.23	18.34	18.80	19.38	17.25	17.73	17.83	18.29	18.88
12H	4H	17.61	18.33	18.14	18.84	19.42	17.23	17.95	17.76	18.45	19.03
	6H	17.66	18.23	18.23	18.79	19.36	17.23	17.79	17.79	18.36	18.92
	8H	17.71	18.18	18.28	18.75	19.33	17.24	17.71	17.81	18.28	18.86
Variation with the observer position at spacings:											
S = 1.0H		0.6/-0.4					0.6/-0.4				
S = 1.5H		1.0/-0.9					1.0/-0.9				
S = 2.0H		1.5/-1.3					1.5/-1.3				
Standard tables:		BK2					BK2				
Uncorrected UGR		-0.6					-0.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25