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LumCAT:

Luminaire: villa s 6W 27K irc 90

LampCAT: modulo 6W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.8800

Test No:

Current(A): 0.0560

Number of Lamps: 1

Power (W): 6.4930

Lamp flux(lm): 645.0

PF: 0.9120

Length(mm): 310

Width(mm): 310

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 320.70, Efficiency(%): 49.72% , Luminous Efficacy(lm/W): 49.39

Central intensity(cd): 126.714, Maximum intensity(cd): 127.083

Angle of maximum intensity: $C=0.0$ $\gamma=7.0$

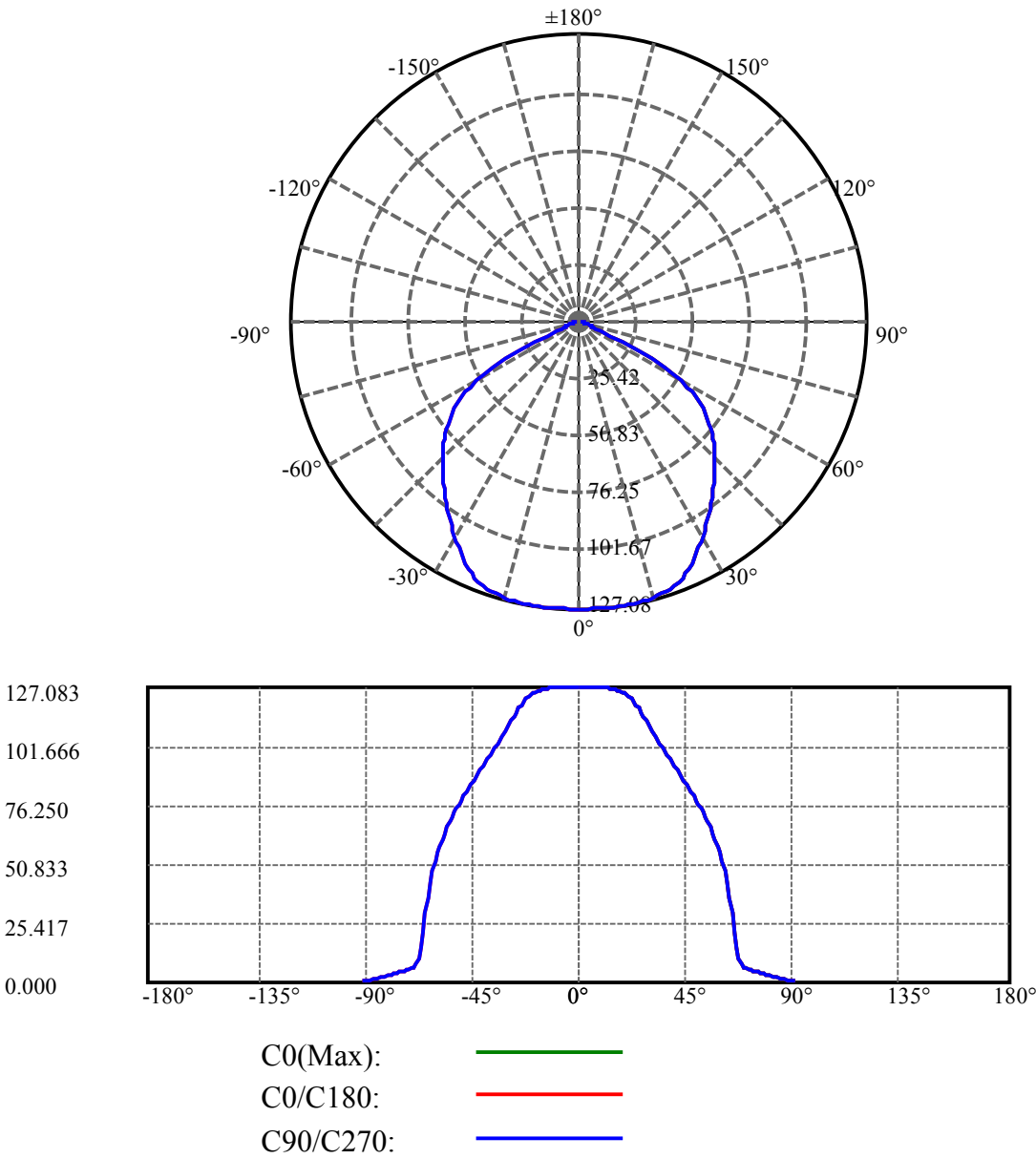
Beam angle of C0 plane : 112.49

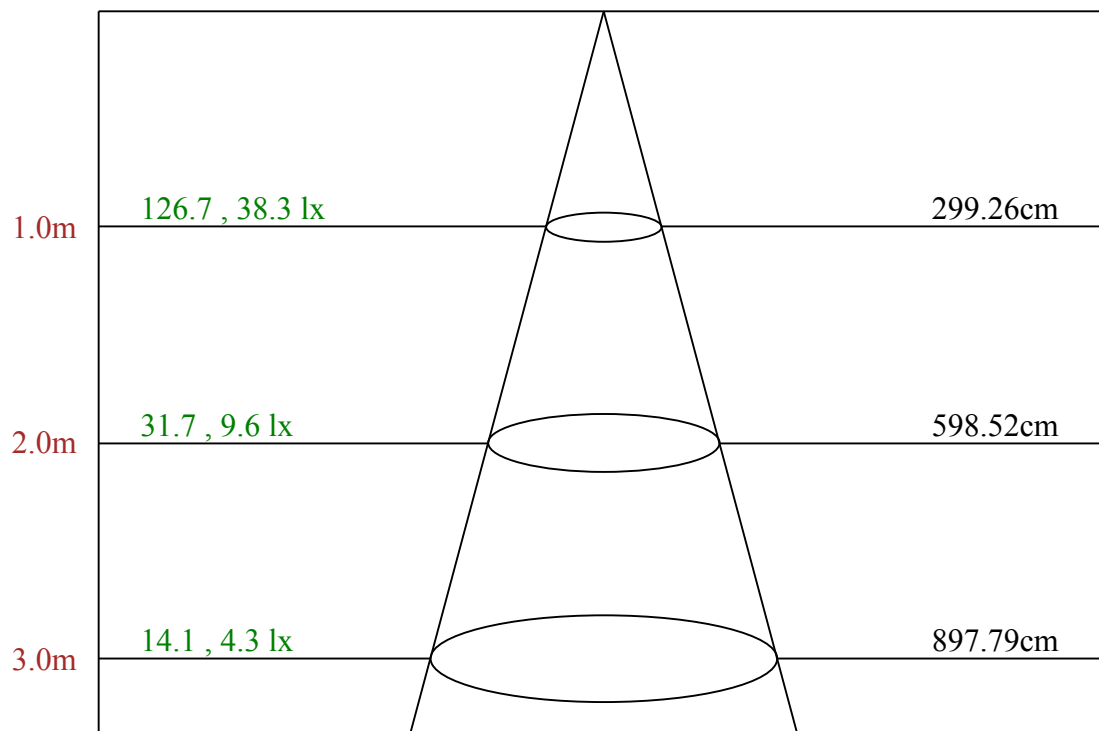
Average BeamAngle(IEC 61341): 112.49

Equipment: equipamento lumini
Temperature(°C): 25.8

Date: 20/08/2026
Humidity(%): 68.0%

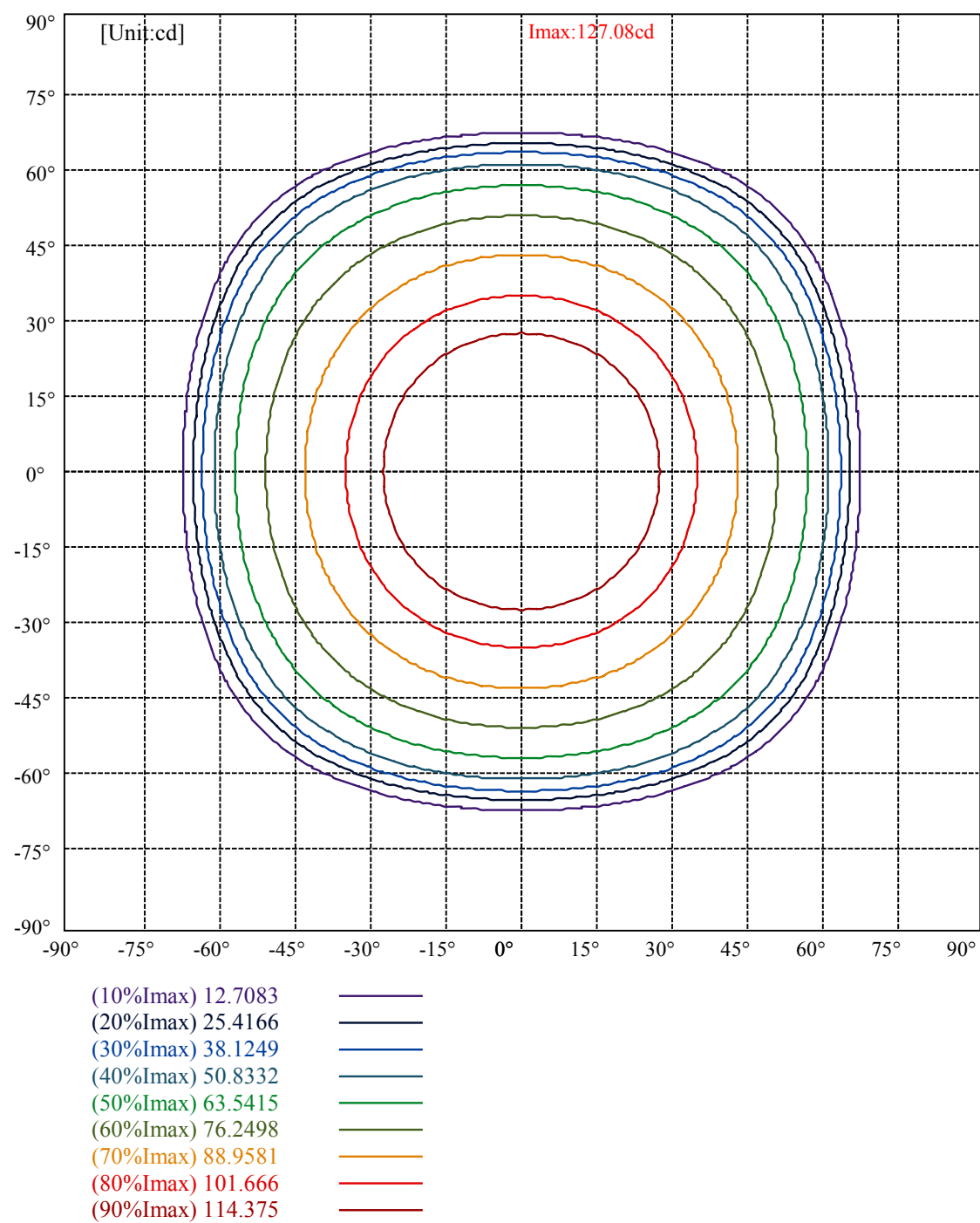
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 112.49



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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	1253	1242	1211	1090	524	181	178	172	187
C45	1253	1242	1211	1090	524	181	178	172	187
C90	1253	1242	1211	1090	524	181	178	172	187

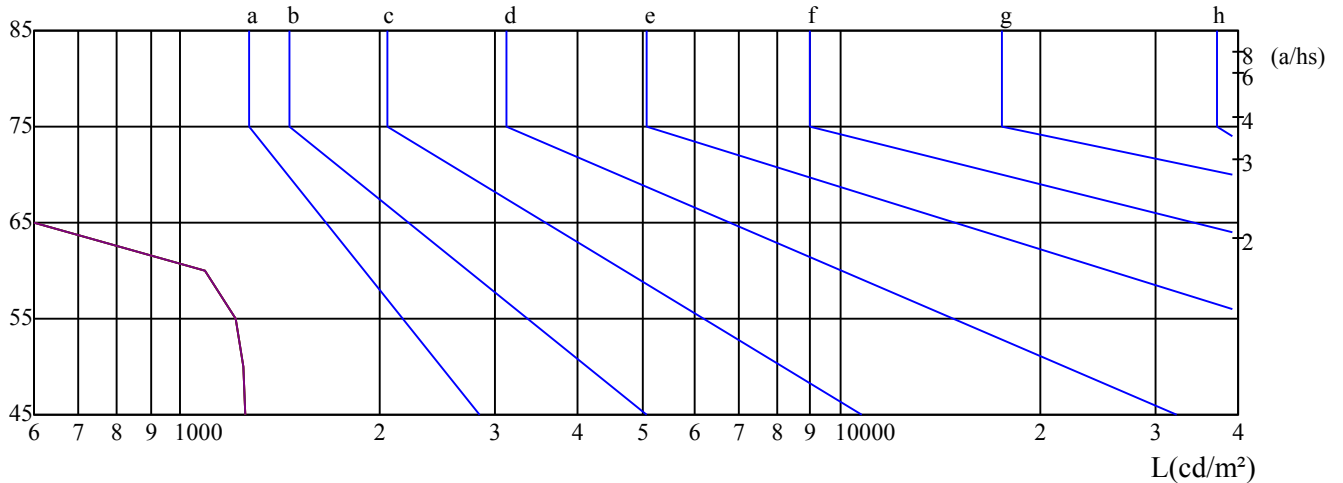
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
524	524	524	178	178	178	187	187	187

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): 25.8

Date: 20/08/2026
Humidity(%): 68.0%

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	12.97	14.50	13.33	14.81	15.13	12.98	14.51	13.34	14.83	15.14
	3H	12.99	14.35	13.37	14.69	15.03	13.01	14.37	13.39	14.71	15.05
	4H	12.97	14.24	13.36	14.59	14.95	12.98	14.26	13.38	14.61	14.97
	6H	12.96	14.14	13.36	14.50	14.90	12.97	14.15	13.38	14.52	14.91
	8H	12.92	14.05	13.33	14.42	14.82	12.93	14.06	13.34	14.44	14.84
	12H	12.88	13.96	13.29	14.34	14.75	12.89	13.97	13.31	14.36	14.77
4H	2H	13.27	14.55	13.67	14.90	15.26	13.29	14.56	13.68	14.91	15.27
	3H	13.29	14.35	13.71	14.74	15.15	13.31	14.37	13.73	14.76	15.17
	4H	13.33	14.26	13.76	14.67	15.11	13.34	14.27	13.78	14.69	15.13
	6H	13.30	14.12	13.76	14.56	15.01	13.31	14.13	13.77	14.57	15.02
	8H	13.29	14.05	13.76	14.50	14.96	13.30	14.06	13.77	14.51	14.98
	12H	13.28	13.99	13.76	14.43	14.94	13.29	14.00	13.77	14.44	14.95
8H	4H	13.23	14.00	13.71	14.44	14.91	13.25	14.01	13.72	14.46	14.92
	6H	13.21	13.85	13.70	14.31	14.81	13.22	13.86	13.71	14.32	14.83
	8H	13.25	13.81	13.77	14.32	14.81	13.27	13.82	13.78	14.33	14.82
	12H	13.25	13.72	13.78	14.23	14.74	13.27	13.74	13.79	14.24	14.76
12H	4H	13.20	13.91	13.68	14.36	14.86	13.22	13.93	13.70	14.37	14.87
	6H	13.22	13.78	13.74	14.29	14.78	13.23	13.79	13.75	14.30	14.79
	8H	13.23	13.70	13.76	14.21	14.72	13.24	13.71	13.77	14.22	14.73
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.4					0.4/-0.4				
S = 1.5H		1.2/-1.7					1.2/-1.7				
S = 2.0H		3.0/-7.4					3.0/-7.4				
Standard tables:		BK1					BK1				
Uncorrected UGR		-4.3					-4.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25