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LumCAT:

Luminaire: spy a e fc

LampCAT: modulo led 1W 30K irc 90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 127.9800

Test No:

Current(A): 0.0300

Number of Lamps: 1

Power (W): 1.5070

Lamp flux(lm): 131.0

PF: 0.3910

Length(mm): 18

Width(mm): 18

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 71.05, Efficiency(%): 54.24% , Luminous Efficacy(lm/W): 47.15

Central intensity(cd): 369.692, Maximum intensity(cd): 369.692

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

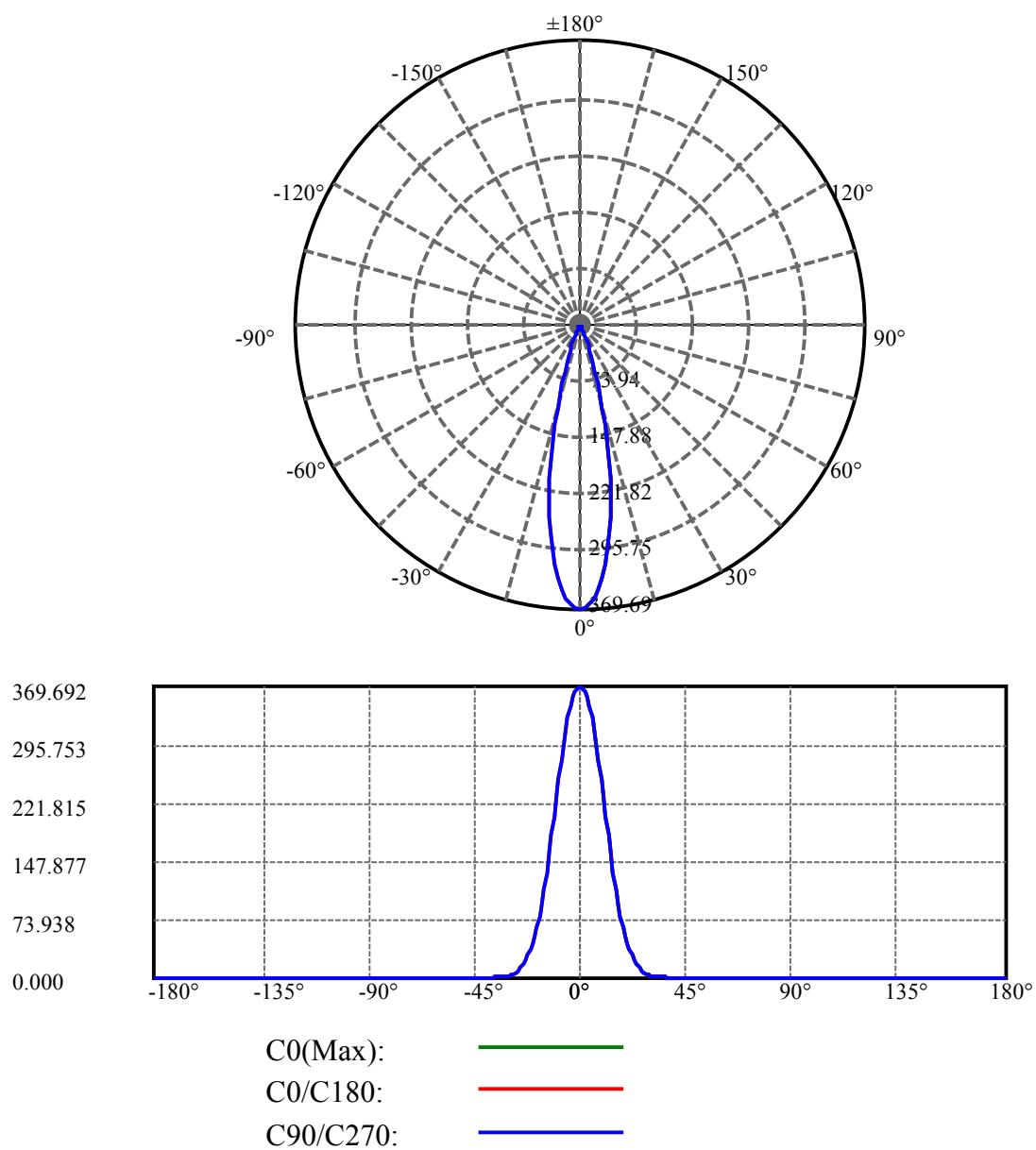
Beam angle of C0 plane : 23.62

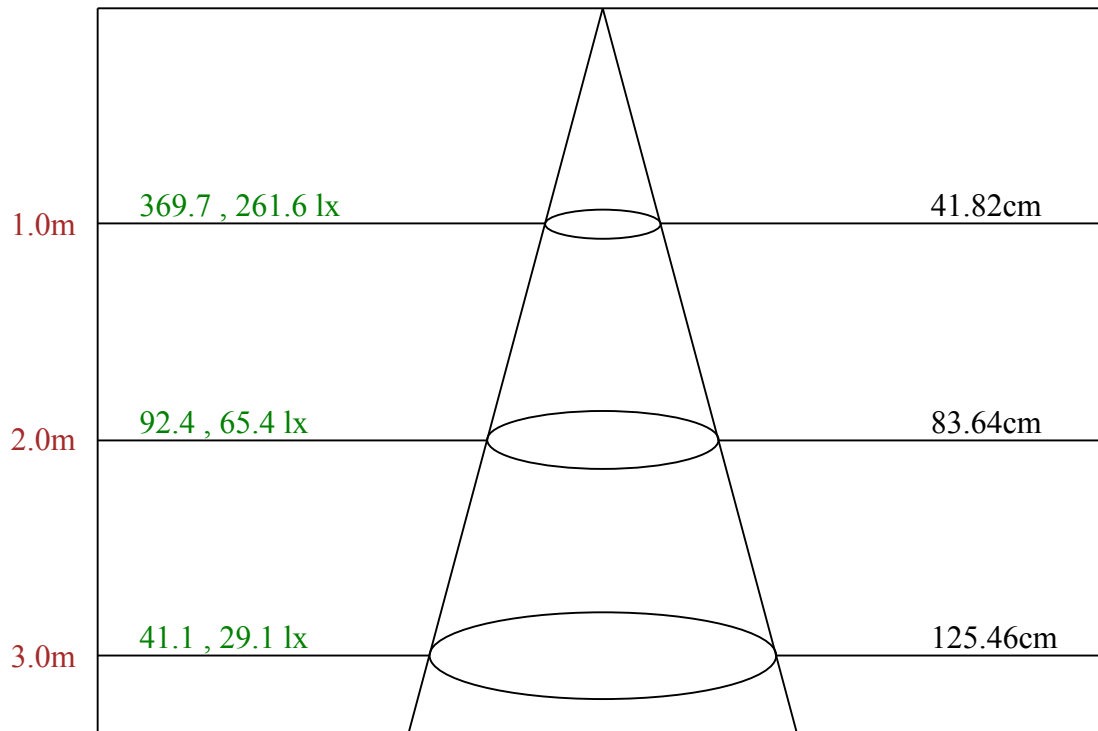
Average BeamAngle(IEC 61341): 23.62

Equipment: equipamento lumini
Temperature(°C): 25.5

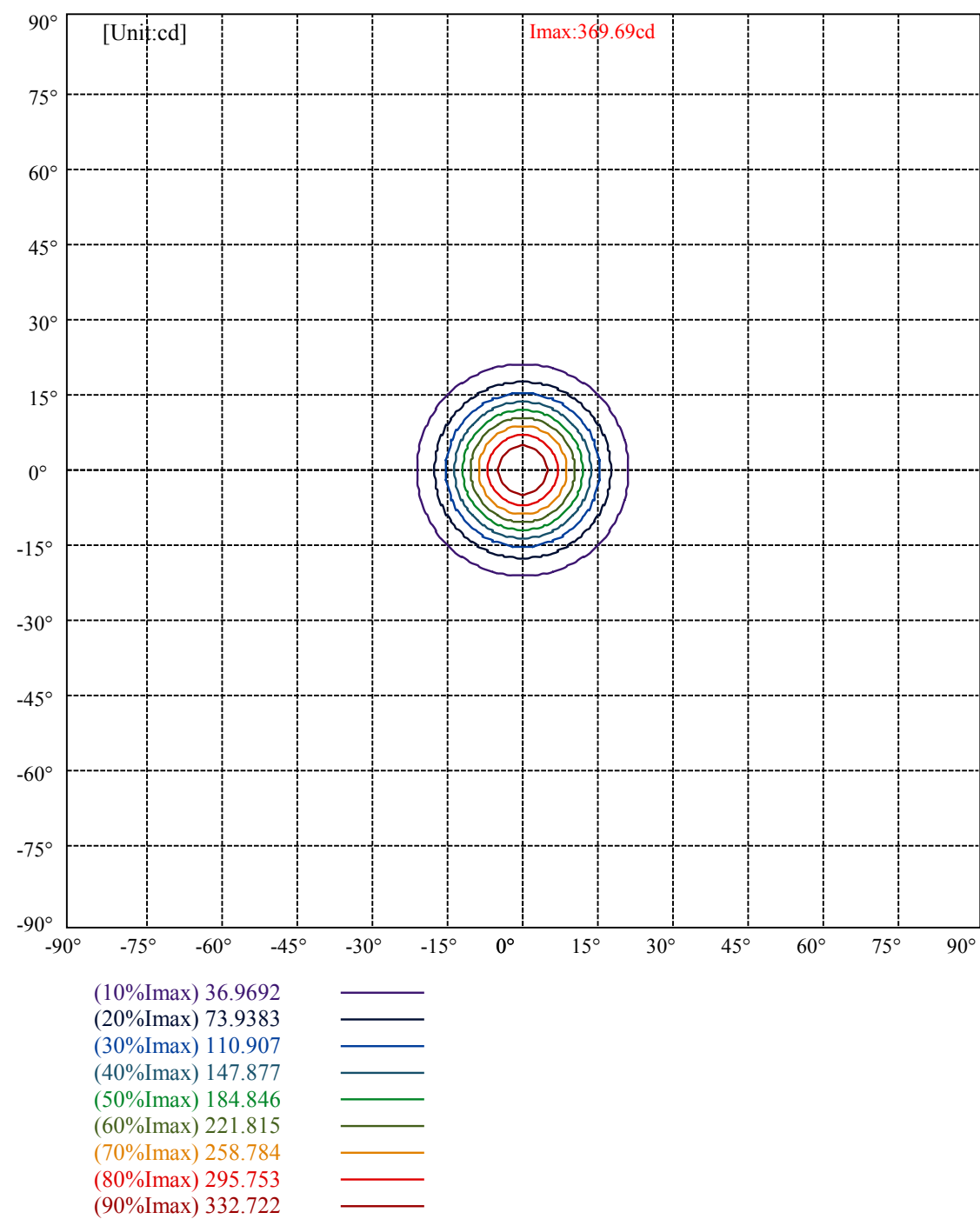
Date: 15/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 23.62



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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	2598	1972	1377	1653	1782	2256	2910	4231	8851
C45	2598	1972	1377	1653	1782	2256	2910	4231	8851
C90	2598	1972	1377	1653	1782	2256	2910	4231	8851

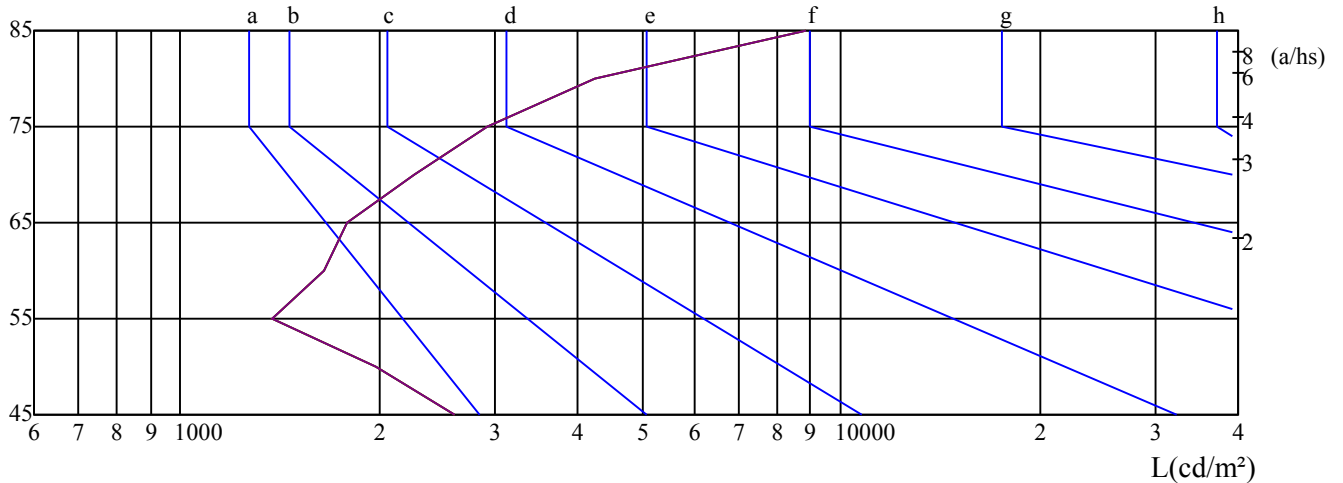
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1782	1782	1782	2910	2910	2910	8851	8851	8851

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: 15/05/2025
Humidity(%): 60.0%

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	4.98	5.87	5.39	6.23	6.60	6.01	6.90	6.41	7.26	7.63
	3H	6.49	7.28	6.92	7.66	8.07	7.17	7.97	7.60	8.35	8.75
	4H	7.68	8.41	8.12	8.81	9.24	8.03	8.77	8.48	9.17	9.59
	6H	9.18	9.85	9.65	10.28	10.73	9.32	9.98	9.78	10.41	10.86
	8H	10.17	10.81	10.64	11.24	11.71	10.13	10.77	10.60	11.21	11.67
	12H	11.19	11.79	11.66	12.23	12.70	11.16	11.77	11.63	12.21	12.68
4H	2H	5.29	6.02	5.73	6.42	6.85	6.16	6.89	6.61	7.30	7.72
	3H	7.19	7.81	7.66	8.25	8.72	7.71	8.33	8.18	8.77	9.24
	4H	8.74	9.28	9.23	9.75	10.25	8.92	9.45	9.40	9.92	10.42
	6H	10.44	10.91	10.95	11.41	11.91	10.46	10.93	10.98	11.43	11.93
	8H	11.58	12.02	12.11	12.52	13.05	11.46	11.89	11.98	12.39	12.92
	12H	12.76	13.16	13.29	13.65	14.22	12.68	13.08	13.21	13.57	14.14
8H	4H	9.33	9.76	9.85	10.26	10.79	9.46	9.89	9.98	10.39	10.92
	6H	11.29	11.64	11.83	12.16	12.72	11.29	11.65	11.84	12.17	12.73
	8H	12.66	12.96	13.23	13.52	14.07	12.53	12.83	13.10	13.39	13.94
	12H	14.07	14.29	14.65	14.85	15.42	13.99	14.22	14.57	14.77	15.35
12H	4H	9.48	9.88	10.01	10.37	10.95	9.60	10.01	10.13	10.50	11.07
	6H	11.60	11.90	12.17	12.46	13.01	11.60	11.90	12.18	12.46	13.01
	8H	13.04	13.27	13.62	13.82	14.40	12.93	13.15	13.51	13.71	14.28
Variation with the observer position at spacings:											
S = 1.0H		0.7/-1.1					0.7/-1.1				
S = 1.5H		0.6/-1.2					0.6/-1.2				
S = 2.0H		0.6/-1.1					0.6/-1.1				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-5.4					-5.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25