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LumCAT:

Luminaire: focus sm a e sr3 fm 12W 30K irc 90

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.7900

Test No:

Current(A): 0.1240

Number of Lamps: 1

Power (W): 15.2360

Lamp flux(lm): 1585.0

PF: 0.9580

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1242.99, Efficiency(%): 78.42% , Luminous Efficacy(lm/W): 81.58

Central intensity(cd): 6160.508, Maximum intensity(cd): 6160.508

Angle of maximum intensity: C=0.0 γ =0.0

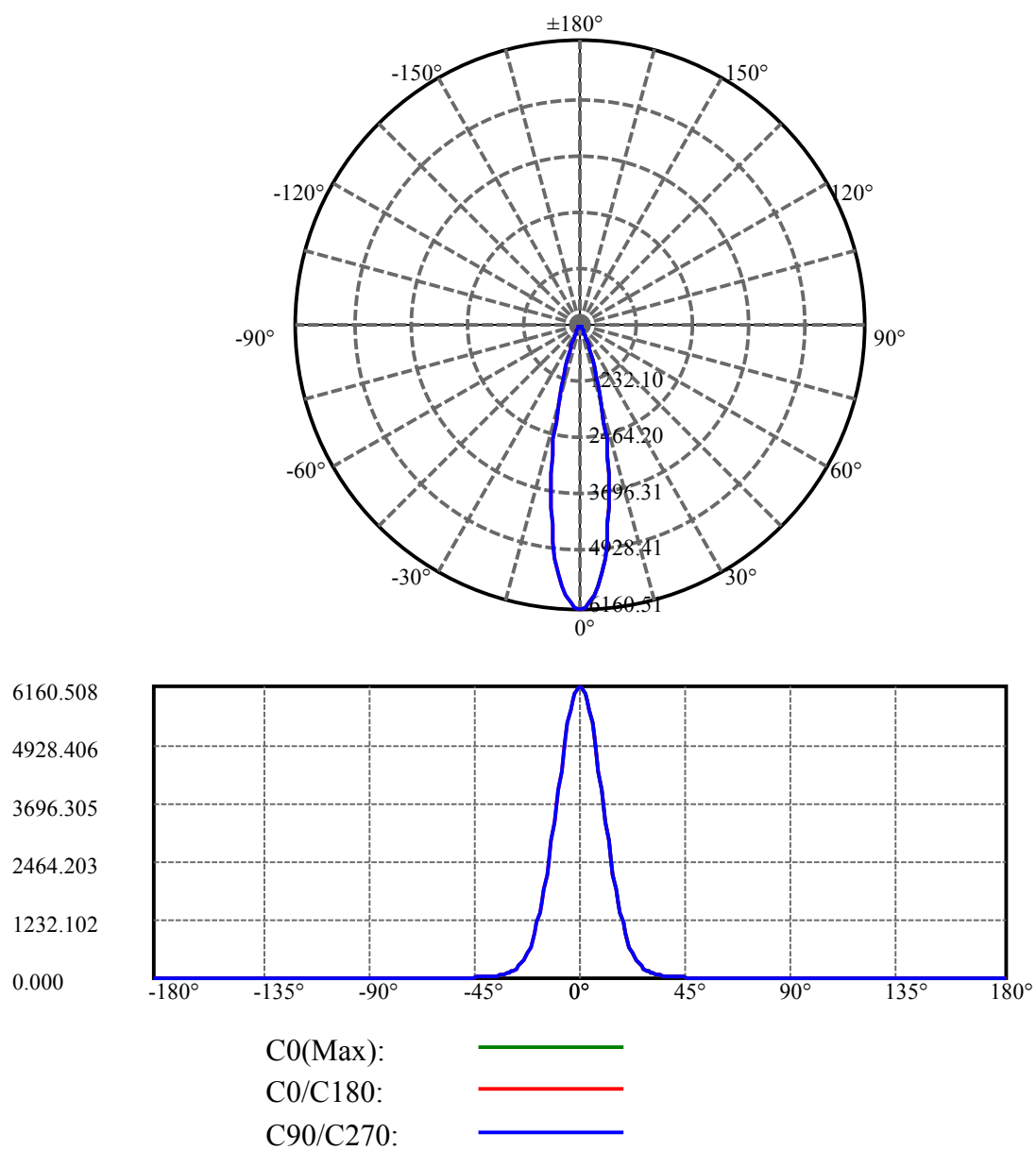
Beam angle of C0 plane : 23.03

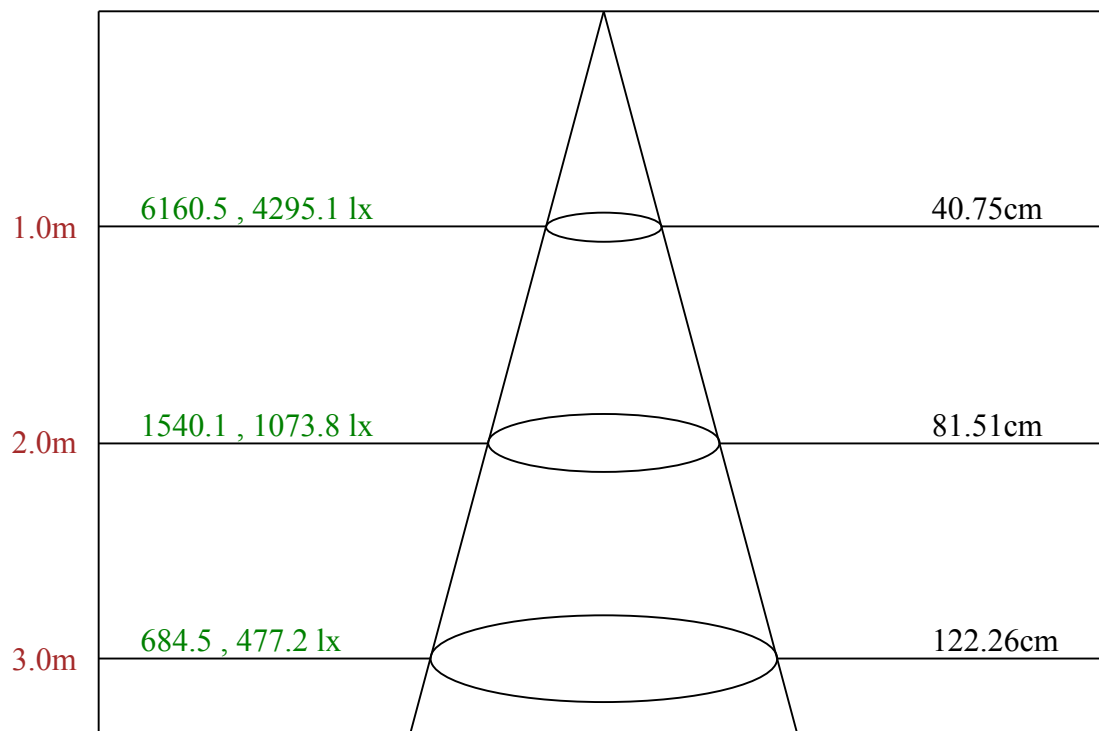
Aveage BeamAngle(IEC 61341):23.03

Equipment: equipamento lumini
Temperature(°C): 25.5

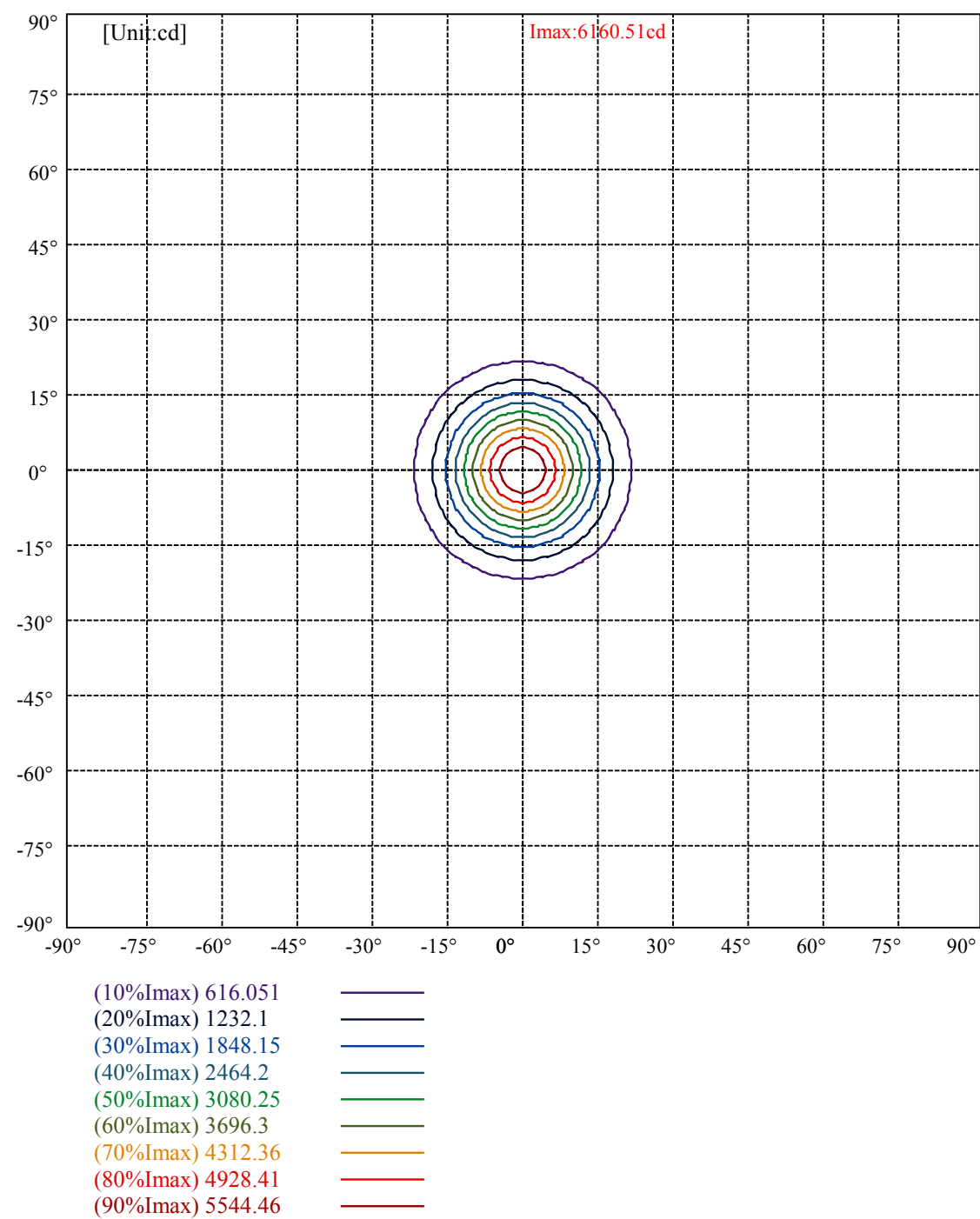
Date: 29/01/2026
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 23.03



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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	8280	5910	5001	4545	4222	4487	5762	8429	16523
C45	8280	5910	5001	4545	4222	4487	5762	8429	16523
C90	8280	5910	5001	4545	4222	4487	5762	8429	16523

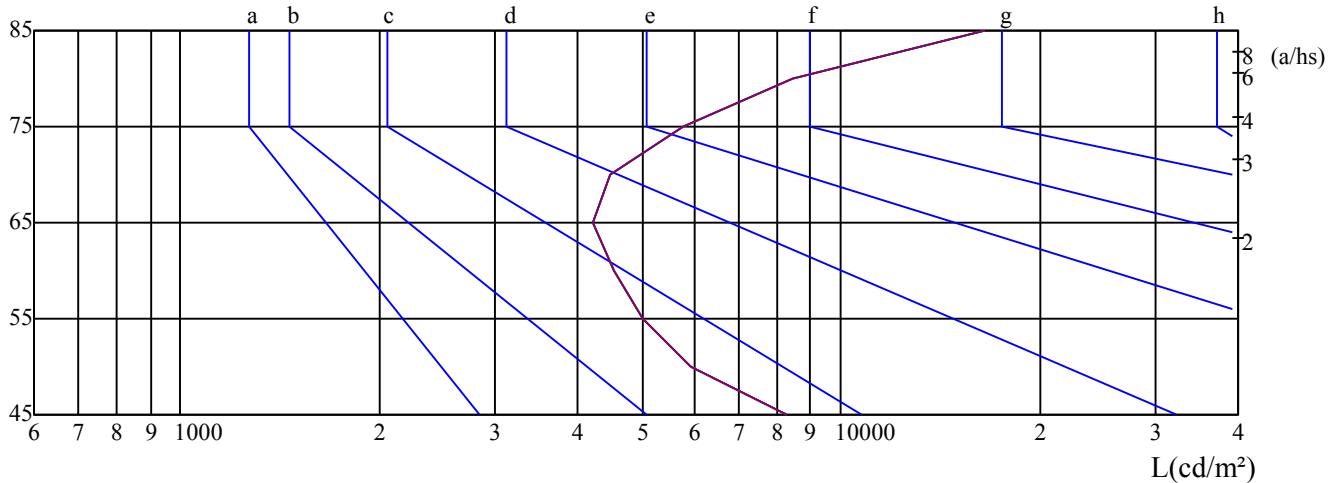
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4222	4222	4222	5762	5762	5762	16523	16523	16523

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: 29/01/2026
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	10.65	11.55	11.06	11.91	12.29	10.95	11.85	11.36	12.22	12.59
	3H	11.26	12.06	11.69	12.45	12.85	11.49	12.29	11.93	12.68	13.09
	4H	11.81	12.55	12.26	12.96	13.38	12.01	12.75	12.45	13.15	13.58
	6H	12.75	13.42	13.21	13.85	14.31	12.88	13.56	13.34	13.98	14.44
	8H	13.39	14.04	13.86	14.47	14.94	13.48	14.13	13.95	14.56	15.03
	12H	14.24	14.86	14.72	15.30	15.78	14.28	14.89	14.75	15.34	15.81
4H	2H	10.71	11.45	11.15	11.85	12.28	10.98	11.72	11.43	12.12	12.55
	3H	11.55	12.17	12.02	12.61	13.09	11.74	12.37	12.21	12.81	13.29
	4H	12.39	12.93	12.87	13.40	13.91	12.54	13.08	13.02	13.55	14.05
	6H	13.61	14.09	14.13	14.58	15.09	13.69	14.17	14.21	14.67	15.18
	8H	14.46	14.90	14.99	15.41	15.94	14.51	14.95	15.04	15.45	15.98
	12H	15.55	15.95	16.08	16.45	17.03	15.55	15.95	16.08	16.45	17.02
8H	4H	12.71	13.15	13.23	13.65	14.18	12.83	13.27	13.36	13.78	14.31
	6H	14.25	14.61	14.80	15.13	15.70	14.31	14.67	14.86	15.19	15.76
	8H	15.37	15.67	15.95	16.24	16.79	15.40	15.70	15.97	16.26	16.81
	12H	16.73	16.96	17.31	17.51	18.09	16.70	16.93	17.29	17.49	18.07
12H	4H	12.81	13.22	13.35	13.72	14.29	12.94	13.34	13.47	13.84	14.41
	6H	14.52	14.82	15.10	15.39	15.94	14.58	14.88	15.15	15.44	16.00
	8H	15.72	15.95	16.31	16.51	17.09	15.74	15.97	16.33	16.53	17.11
Variation with the observer position at spacings:											
S = 1.0H		2.1/-1.4					2.1/-1.4				
S = 1.5H		2.5/-1.3					2.5/-1.3				
S = 2.0H		2.9/-1.2					2.9/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-1.0					-1.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25