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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fc

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0300

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.3180

Lamp flux(lm): 1460.0

PF: 0.9870

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1256.10, Efficiency(%): 86.03% , Luminous Efficacy(lm/W): 87.73

Central intensity(cd): 6847.651, Maximum intensity(cd): 6847.651

Angle of maximum intensity: C=0.0 γ =0.0

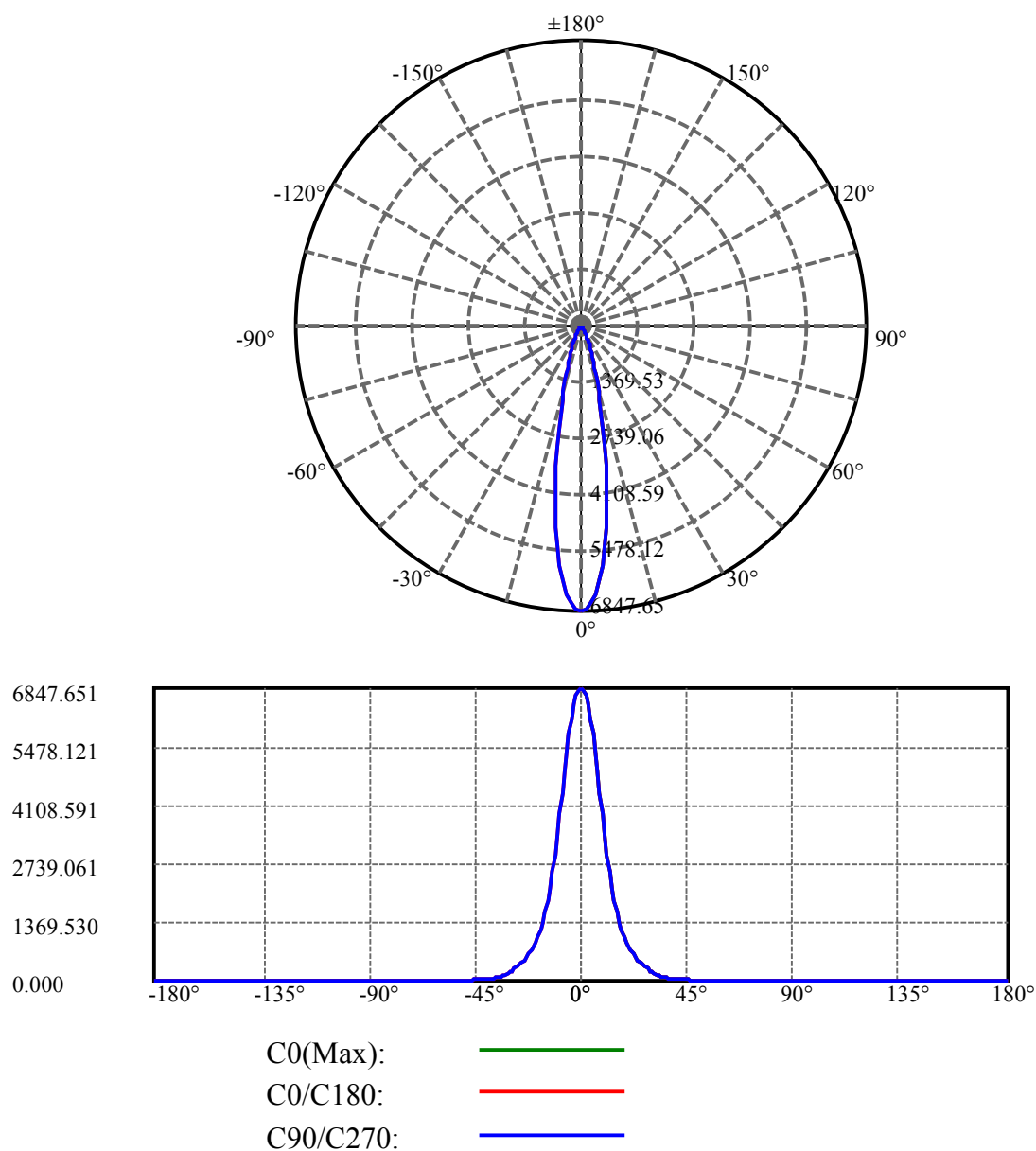
Beam angle of C0 plane : 19.93

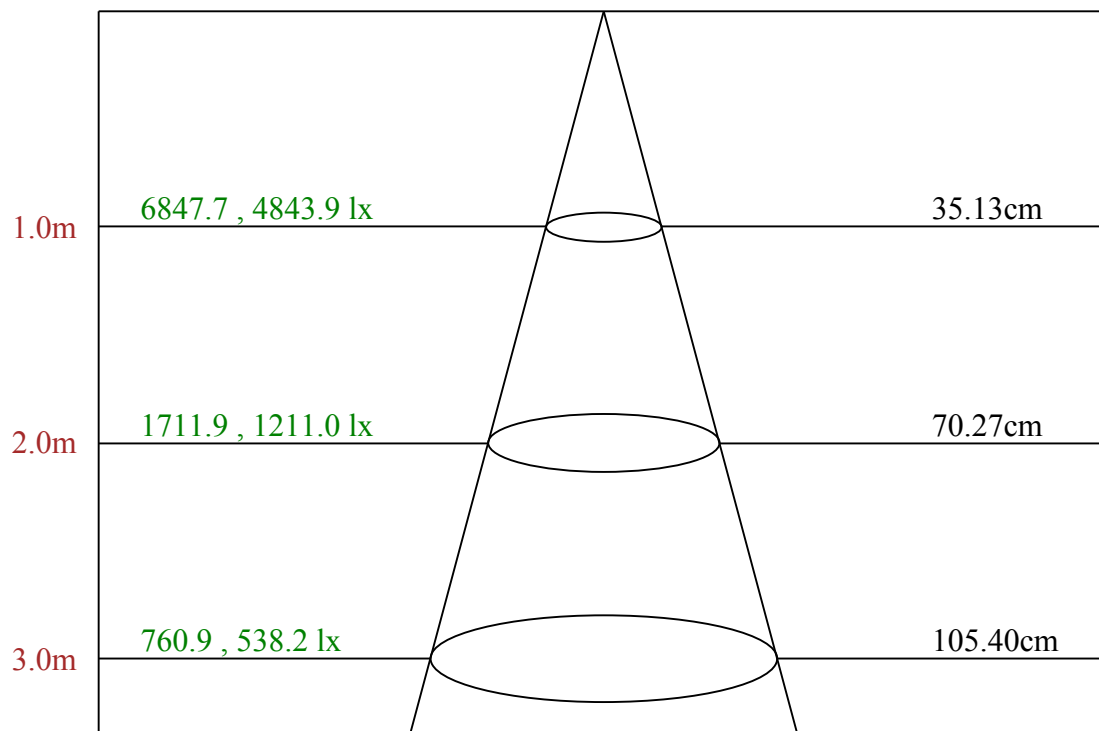
Aveage BeamAngle(IEC 61341):19.93

Equipment: equipamento lumini
Temperature(°C): 27.2

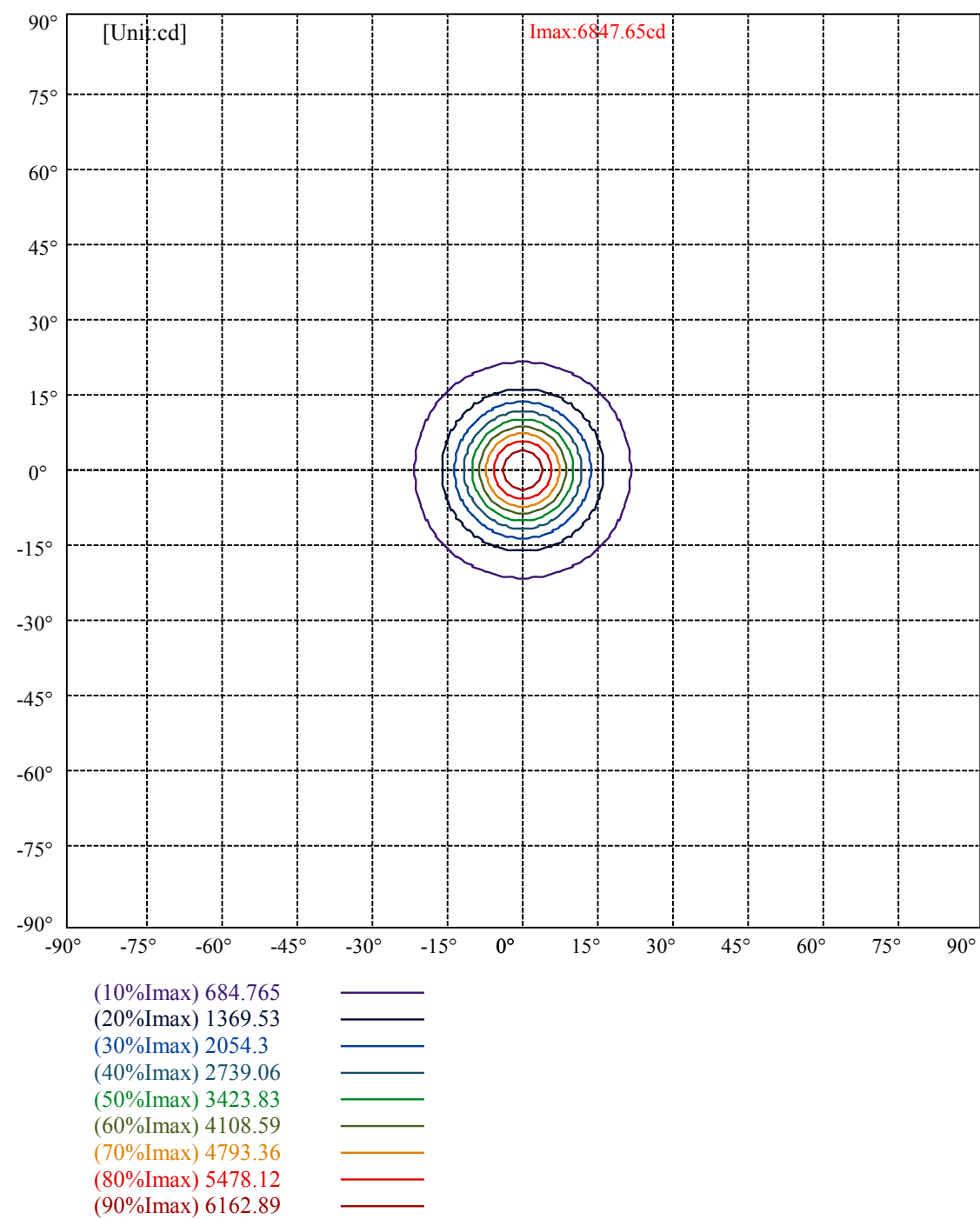
Date: 17/02/2025
Humidity(%): 65.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 19.93



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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	4014	2632	1772	1230	1118	1301	1713	2553	5079
C45	4014	2632	1772	1230	1118	1301	1713	2553	5079
C90	4014	2632	1772	1230	1118	1301	1713	2553	5079

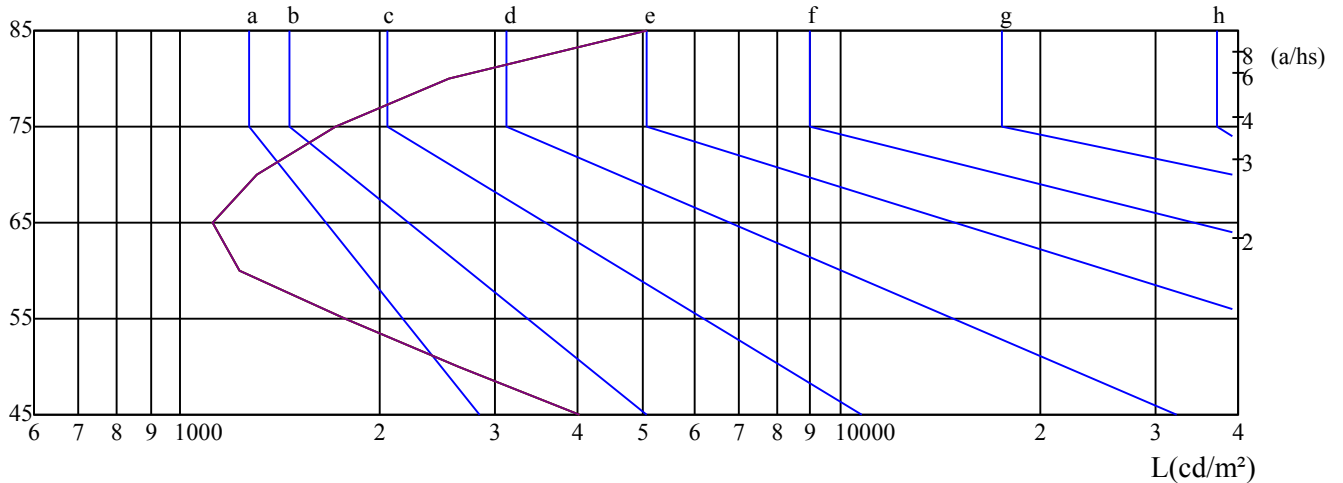
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1118	1118	1118	1713	1713	1713	5079	5079	5079

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): 27.2

Date: 17/02/2025
Humidity(%): 65.0%

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	8.81	9.71	9.21	10.06	10.43	9.38	10.28	9.78	10.64	11.00
	3H	8.89	9.69	9.31	10.07	10.47	9.42	10.23	9.85	10.61	11.00
	4H	9.10	9.84	9.54	10.24	10.65	9.59	10.33	10.03	10.73	11.15
	6H	9.58	10.26	10.03	10.67	11.12	10.01	10.68	10.46	11.10	11.55
	8H	9.95	10.60	10.41	11.02	11.48	10.34	10.98	10.80	11.41	11.86
	12H	10.51	11.12	10.97	11.55	12.02	10.83	11.45	11.30	11.88	12.35
4H	2H	8.65	9.39	9.09	9.79	10.21	9.20	9.94	9.64	10.34	10.75
	3H	8.85	9.47	9.31	9.90	10.37	9.33	9.96	9.80	10.39	10.86
	4H	9.26	9.80	9.74	10.26	10.76	9.69	10.23	10.17	10.69	11.19
	6H	9.98	10.46	10.49	10.95	11.44	10.33	10.80	10.84	11.29	11.79
	8H	10.57	11.01	11.09	11.51	12.03	10.87	11.31	11.39	11.81	12.33
	12H	11.40	11.80	11.92	12.29	12.86	11.64	12.04	12.16	12.53	13.10
8H	4H	9.37	9.81	9.89	10.30	10.82	9.76	10.20	10.28	10.70	11.22
	6H	10.37	10.73	10.91	11.24	11.80	10.66	11.02	11.20	11.54	12.09
	8H	11.23	11.53	11.80	12.09	12.63	11.48	11.78	12.04	12.33	12.87
	12H	12.35	12.58	12.93	13.13	13.70	12.53	12.75	13.10	13.31	13.87
12H	4H	9.42	9.82	9.94	10.31	10.88	9.80	10.20	10.33	10.69	11.26
	6H	10.57	10.87	11.14	11.43	11.97	10.85	11.15	11.42	11.71	12.25
	8H	11.51	11.74	12.09	12.29	12.86	11.74	11.96	12.31	12.52	13.08
Variation with the observer position at spacings:											
S = 1.0H		3.8/-3.3					3.8/-3.3				
S = 1.5H		5.2/-2.6					5.2/-2.6				
S = 2.0H		6.0/-2.1					6.0/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.8					-6.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25