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## lumini

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LumCAT:

Luminaire: downled sm r pro s super wide serie 2 e fa

LampCAT: modulo led 12.5W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 124.0000

Test No:

Current(A): 0.1160

Number of Lamps: 1

Power (W): 14.3840

Lamp flux(lm): 1550.0

PF: 0.0000

Length(mm): 30

Width(mm): 30

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 900.82, Efficiency(%): 58.12% , Luminous Efficacy(lm/W): 62.63

Central intensity(cd): 2059.359, Maximum intensity(cd): 2059.359

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

Beam angle of C0 plane : 37.16

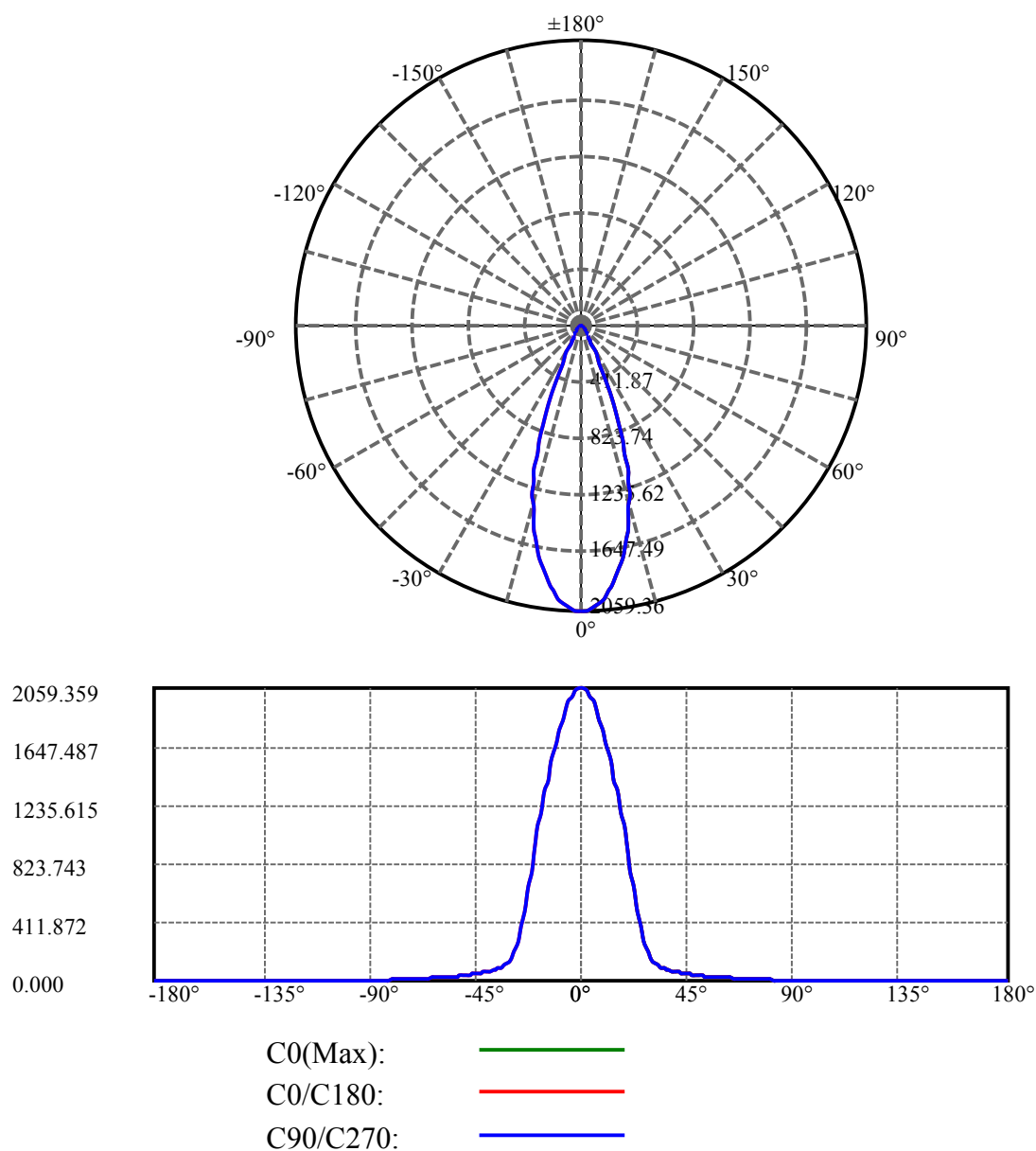
Average BeamAngle(IEC 61341): 37.16

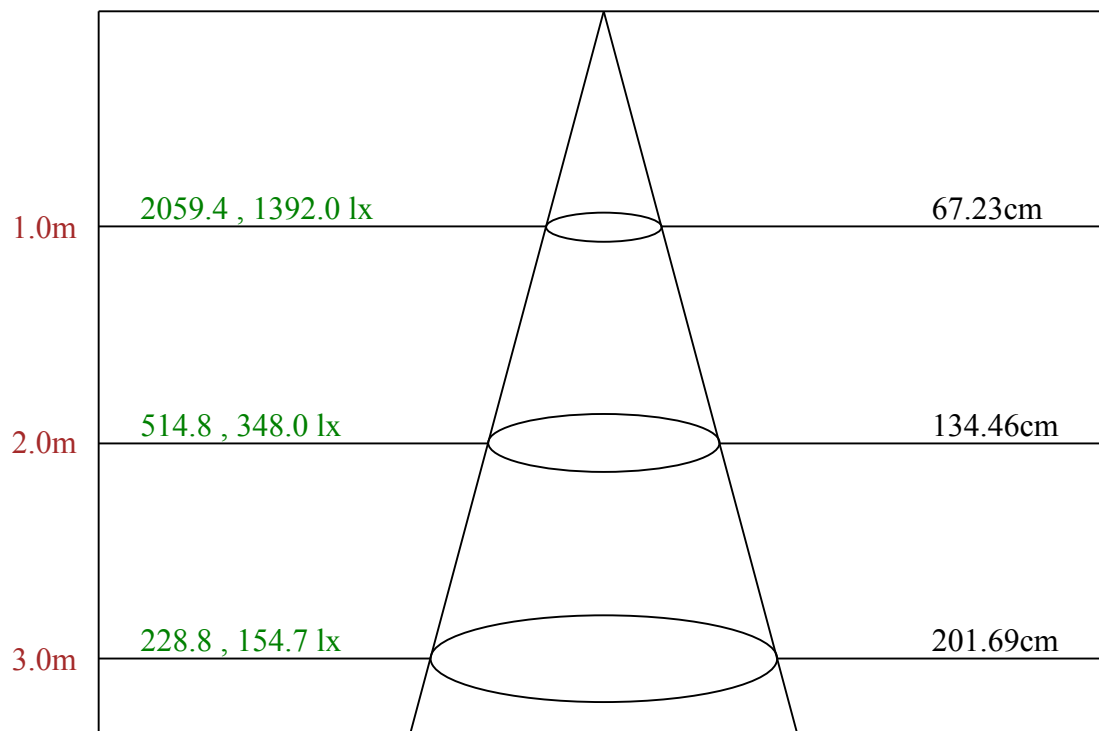
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Equipment: equipamento lumini  
Temperature(°C): 25.5

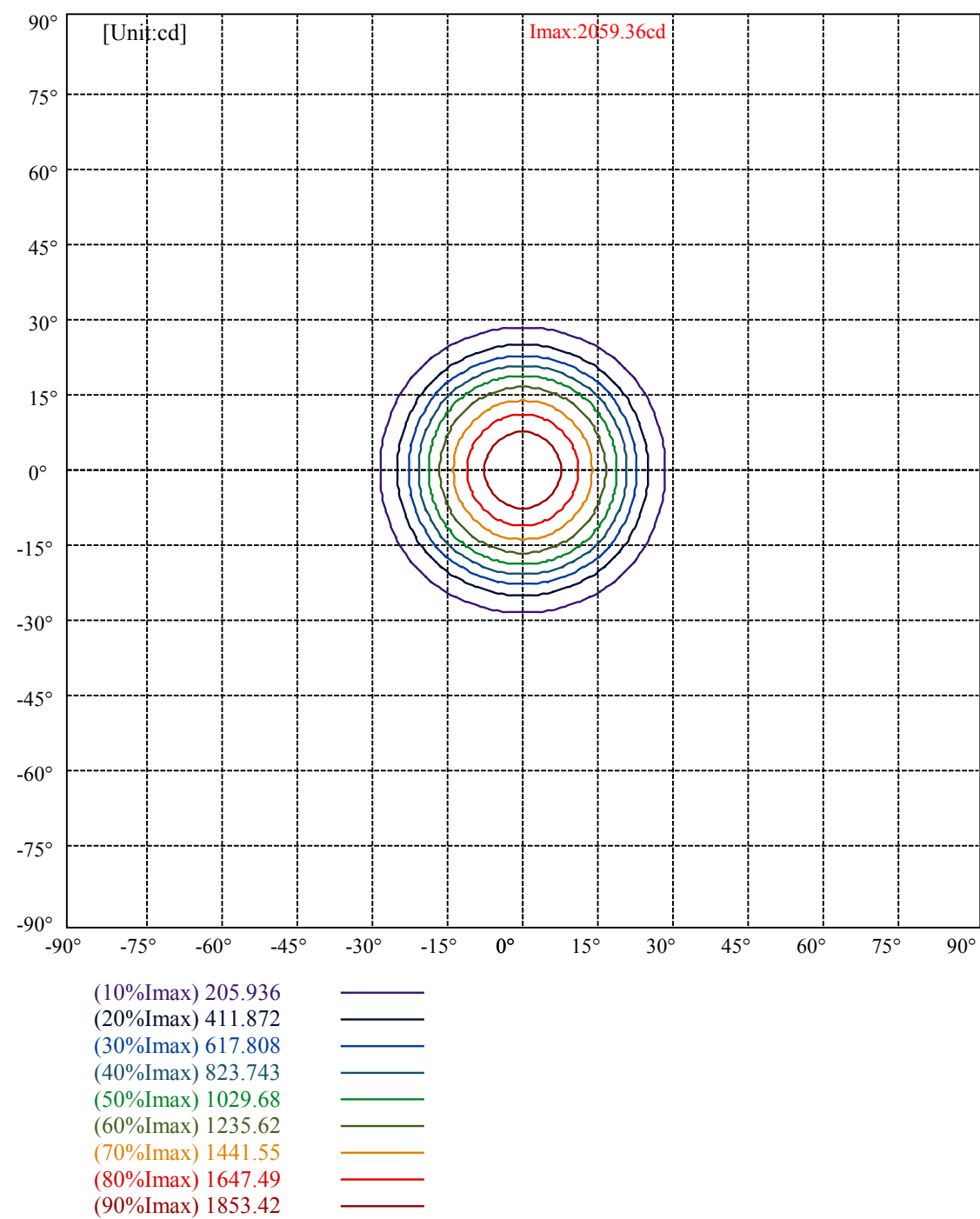
Date: 28/01/2025  
Humidity(%): 62.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 37.16



Luminance Table

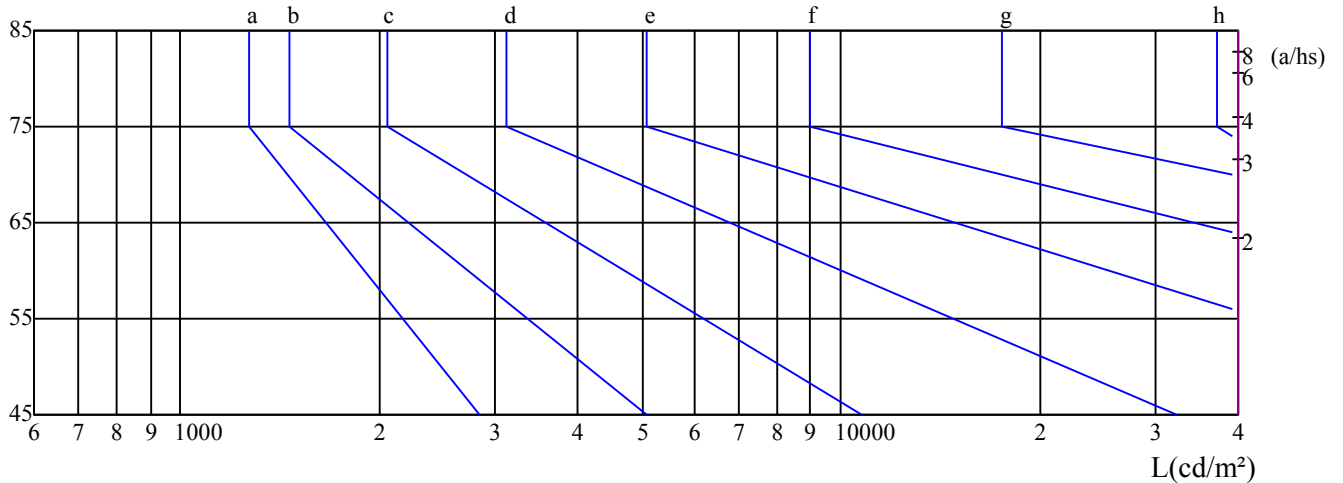
$\gamma$	45	50	55	60	65	70	75	80	85
C0	74756	61024	54034	49078	45688	43172	41849	42421	51971
C45	74756	61024	54034	49078	45688	43172	41849	42421	51971
C90	74756	61024	54034	49078	45688	43172	41849	42421	51971

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
45688	45688	45688	41849	41849	41849	51971	51971	51971

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

 $\gamma(^{\circ})$ 

C0 ———

C45 ———

C90 ———

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	21.96	22.97	22.36	23.33	23.70	22.23	23.25	22.64	23.61	23.98
	3H	23.00	23.90	23.42	24.29	24.68	23.32	24.22	23.74	24.61	25.00
	4H	23.45	24.29	23.89	24.69	25.11	23.80	24.64	24.24	25.04	25.45
	6H	23.88	24.65	24.33	25.07	25.52	24.26	25.03	24.71	25.45	25.90
	8H	24.05	24.78	24.50	25.21	25.67	24.45	25.19	24.91	25.61	26.07
	12H	24.20	24.90	24.67	25.34	25.81	24.64	25.34	25.10	25.77	26.24
4H	2H	22.35	23.19	22.79	23.59	24.00	22.58	23.42	23.01	23.81	24.23
	3H	23.58	24.29	24.04	24.72	25.19	23.85	24.55	24.31	24.99	25.46
	4H	24.22	24.83	24.69	25.29	25.79	24.51	25.12	24.99	25.59	26.08
	6H	24.74	25.29	25.25	25.78	26.28	25.08	25.62	25.59	26.11	26.61
	8H	25.00	25.51	25.53	26.00	26.52	25.37	25.87	25.89	26.37	26.89
	12H	25.26	25.72	25.78	26.21	26.78	25.66	26.12	26.18	26.61	27.18
8H	4H	24.43	24.93	24.95	25.43	25.95	24.69	25.19	25.21	25.69	26.21
	6H	25.13	25.54	25.67	26.06	26.61	25.43	25.84	25.97	26.36	26.92
	8H	25.55	25.90	26.12	26.46	27.00	25.88	26.23	26.45	26.79	27.33
	12H	25.93	26.20	26.50	26.76	27.32	26.30	26.58	26.88	27.13	27.70
12H	4H	24.45	24.92	24.98	25.41	25.97	24.71	25.17	25.23	25.66	26.22
	6H	25.26	25.61	25.82	26.16	26.71	25.54	25.89	26.11	26.45	26.99
	8H	25.70	25.98	26.28	26.53	27.10	26.02	26.29	26.59	26.84	27.41
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.7					0.4/-0.7				
S = 1.5H		0.9/-1.0					0.9/-1.0				
S = 2.0H		1.8/-1.1					1.8/-1.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		6.9					6.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25