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LumCAT:

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

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

Photometric Results

Lumens(lm): 965.45, Efficiency(%): 62.29% , Luminous Efficacy(lm/W): 67.12

Central intensity(cd): 3749.073, Maximum intensity(cd): 3749.073

Angle of maximum intensity: C=0.0 γ =0.0

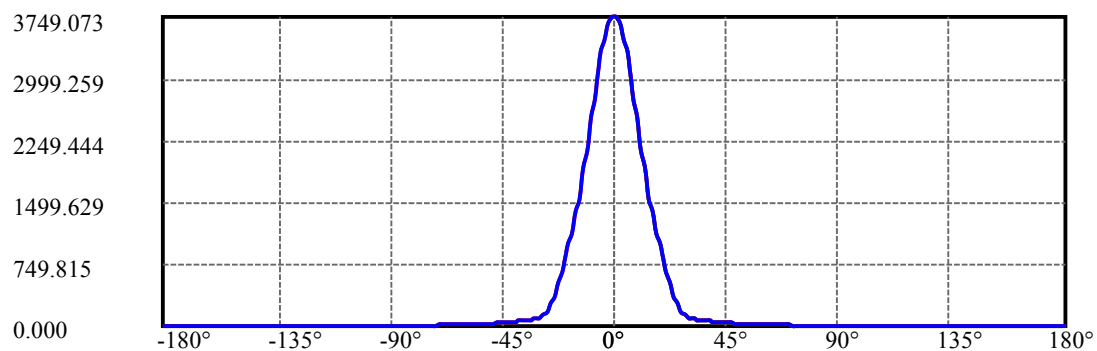
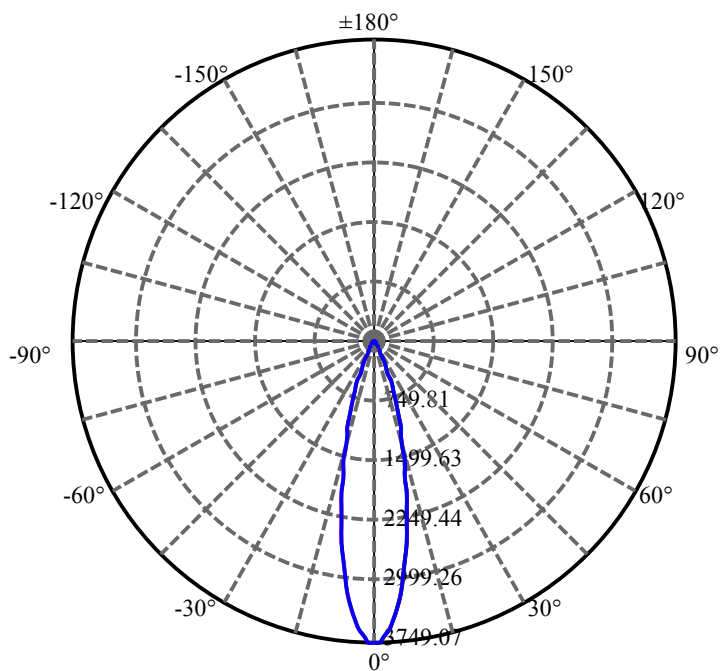
Beam angle of C0 plane : 24.55

Average BeamAngle(IEC 61341): 24.55

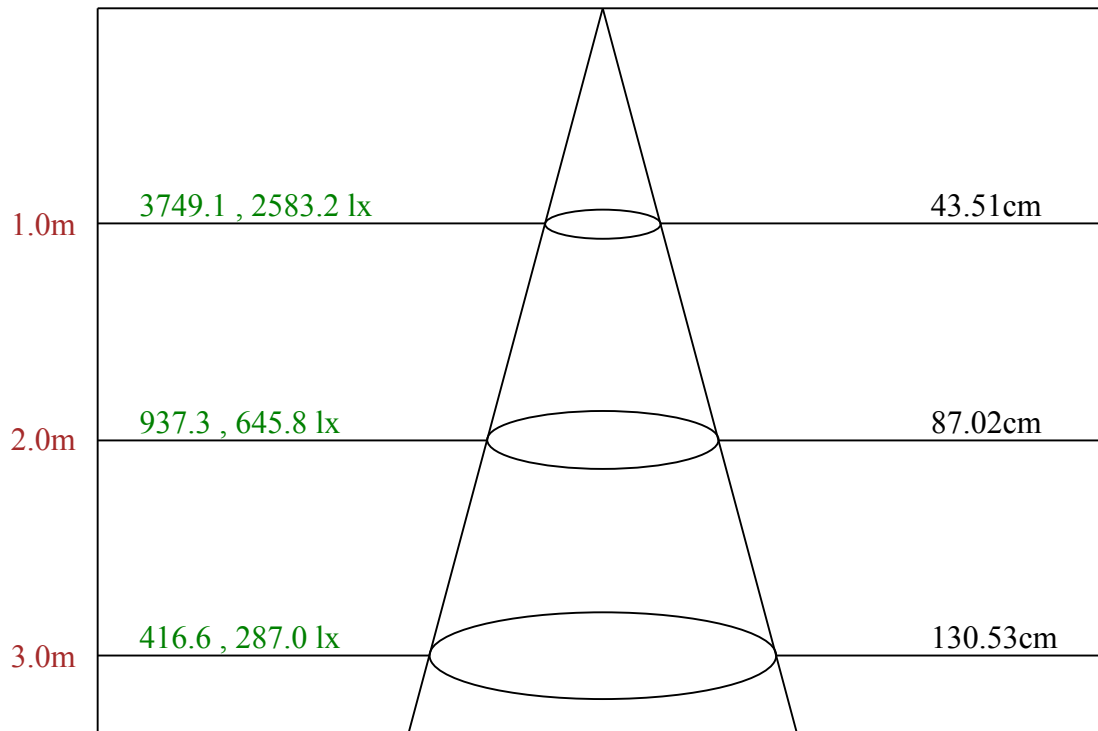
Equipment: equipamento lumini
Temperature(°C): 25.5

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

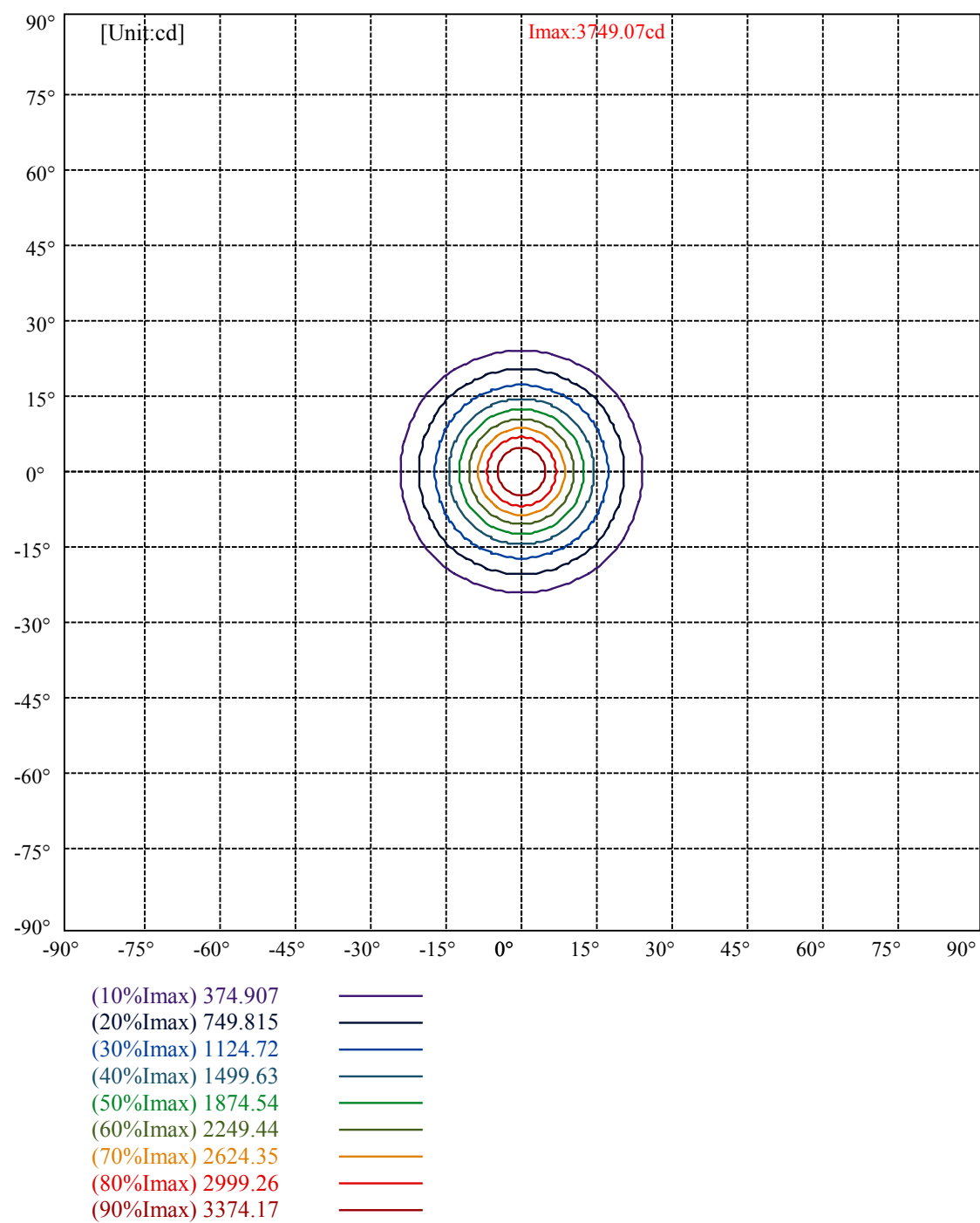
Operator: 01
Distance(m): 6.90



C0(Max):
C0/C180:
C90/C270:



Max , Ave Beam angle of C0 plane 24.55



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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	66003	52917	47036	43061	39992	38397	38068	40060	52578
C45	66003	52917	47036	43061	39992	38397	38068	40060	52578
C90	66003	52917	47036	43061	39992	38397	38068	40060	52578

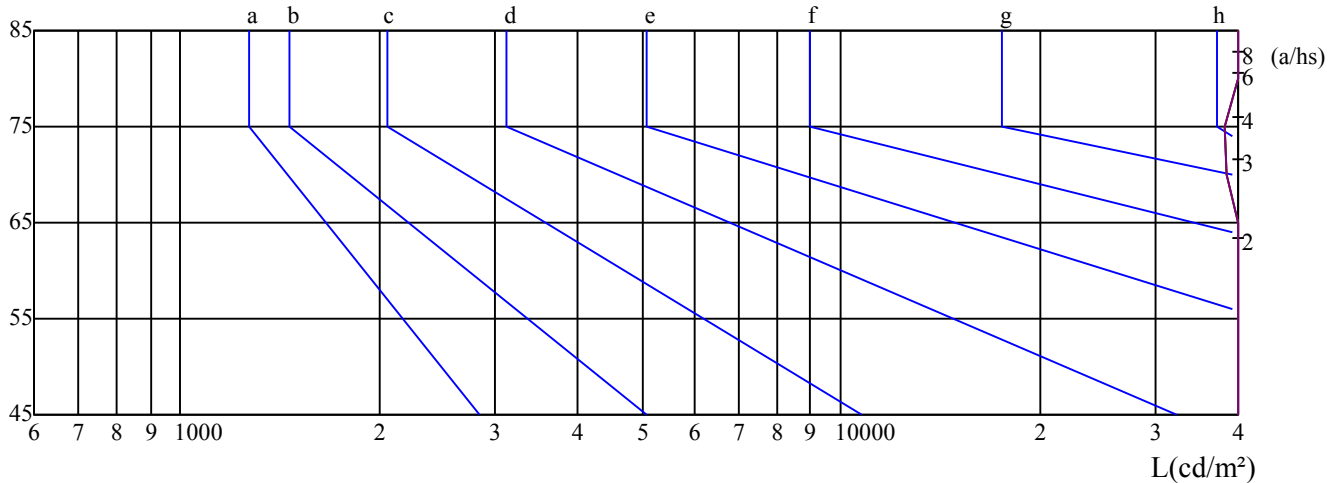
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
39992	39992	39992	38068	38068	38068	52578	52578	52578

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($^{\circ}\text{C}$): 25.5

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

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	20.73	21.72	21.13	22.08	22.45	20.71	21.70	21.12	22.06	22.43
	3H	21.88	22.76	22.30	23.14	23.54	21.86	22.74	22.28	23.12	23.52
	4H	22.40	23.22	22.84	23.62	24.04	22.37	23.19	22.81	23.59	24.01
	6H	22.92	23.67	23.38	24.09	24.54	22.89	23.63	23.34	24.05	24.51
	8H	23.15	23.86	23.61	24.29	24.75	23.11	23.82	23.57	24.25	24.71
	12H	23.37	24.05	23.83	24.48	24.95	23.32	24.00	23.79	24.44	24.91
4H	2H	21.13	21.94	21.57	22.34	22.76	21.11	21.93	21.55	22.33	22.75
	3H	22.47	23.16	22.93	23.59	24.06	22.45	23.14	22.91	23.57	24.04
	4H	23.19	23.78	23.66	24.25	24.75	23.16	23.75	23.63	24.22	24.71
	6H	23.82	24.35	24.33	24.84	25.34	23.79	24.32	24.30	24.81	25.31
	8H	24.15	24.64	24.67	25.13	25.66	24.11	24.60	24.63	25.10	25.62
	12H	24.47	24.92	25.00	25.42	25.98	24.43	24.88	24.96	25.37	25.94
8H	4H	23.42	23.90	23.94	24.40	24.92	23.39	23.88	23.91	24.37	24.90
	6H	24.24	24.64	24.78	25.15	25.71	24.21	24.61	24.75	25.12	25.68
	8H	24.74	25.07	25.30	25.63	26.18	24.70	25.04	25.27	25.60	26.14
	12H	25.20	25.47	25.78	26.02	26.59	25.17	25.43	25.74	25.98	26.55
12H	4H	23.44	23.89	23.97	24.38	24.95	23.42	23.87	23.94	24.36	24.93
	6H	24.37	24.71	24.94	25.27	25.81	24.34	24.68	24.91	25.24	25.78
	8H	24.90	25.16	25.47	25.71	26.28	24.87	25.13	25.44	25.68	26.25
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.7					0.4/-0.7				
S = 1.5H		0.8/-0.9					0.8/-0.9				
S = 2.0H		1.4/-1.0					1.4/-1.0				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		8.6					8.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25