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## lumini

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LumCAT:

Luminaire: super track concentra 30 serie 2 fm

LampCAT: modulo led 17W 30K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1450

Number of Lamps: 1

Power (W): 18.2700

Lamp flux(lm): 1980.0

PF: 0.9990

Length(mm): 250

Width(mm): 25

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 1276.86, Efficiency(%): 64.49% , Luminous Efficacy(lm/W): 69.89

Central intensity(cd): 4749.621, Maximum intensity(cd): 4749.621

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

Beam angle of C0 plane : 28.51

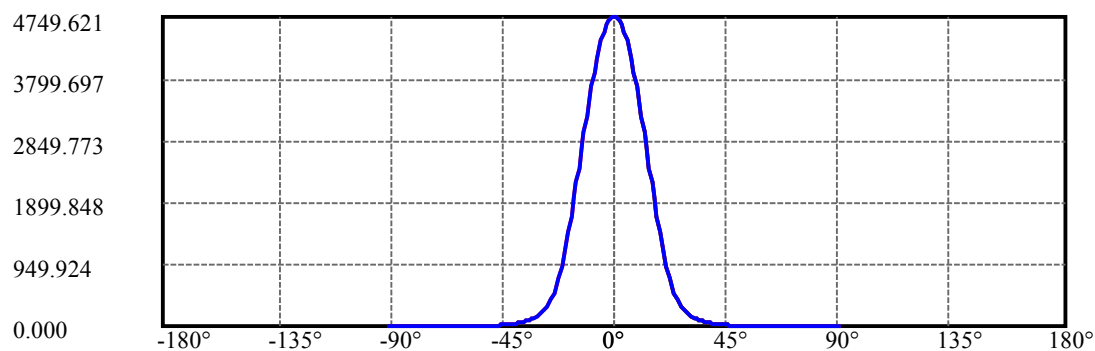
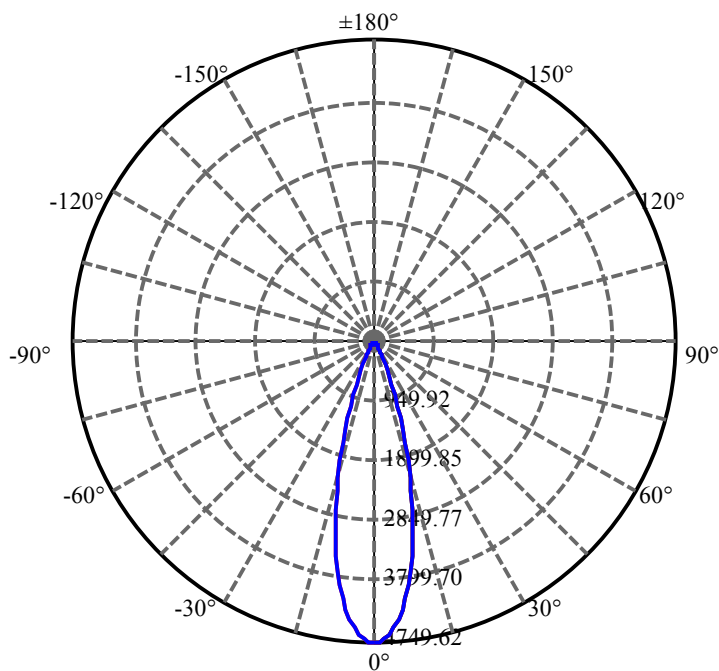
Aveage BeamAngle(IEC 61341):28.51

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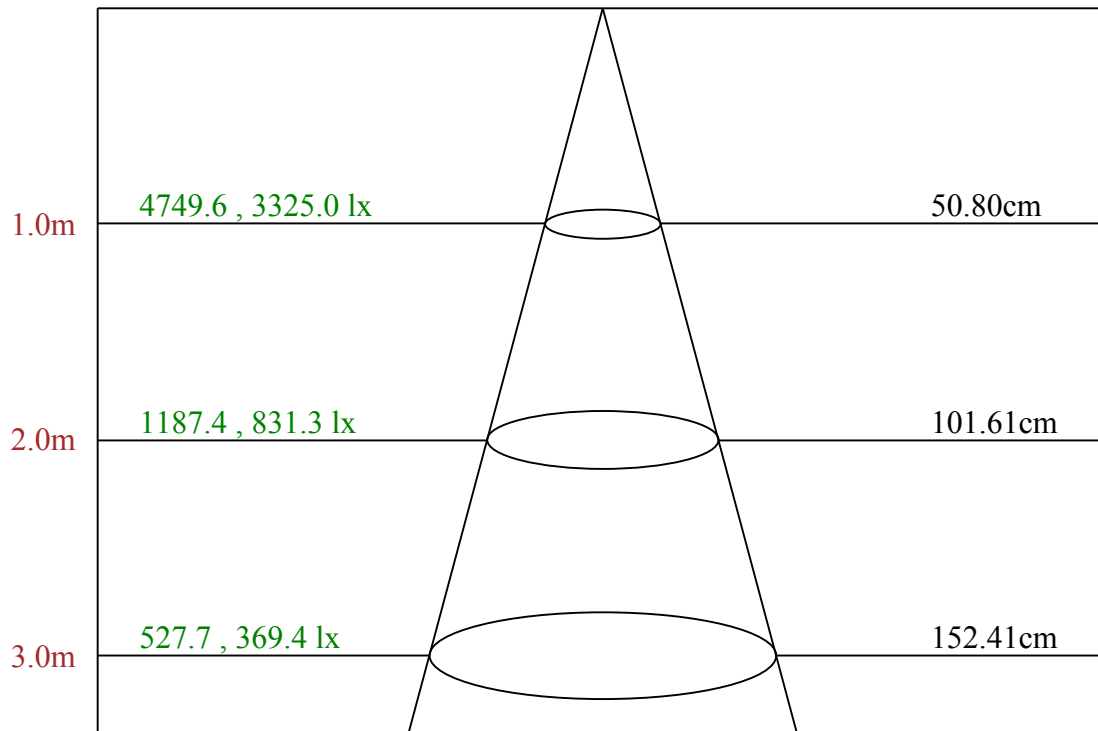
Equipment: equipamento lumini  
Temperature(°C): 25.5

Date: 8/23/2024  
Humidity(%): 55.0%

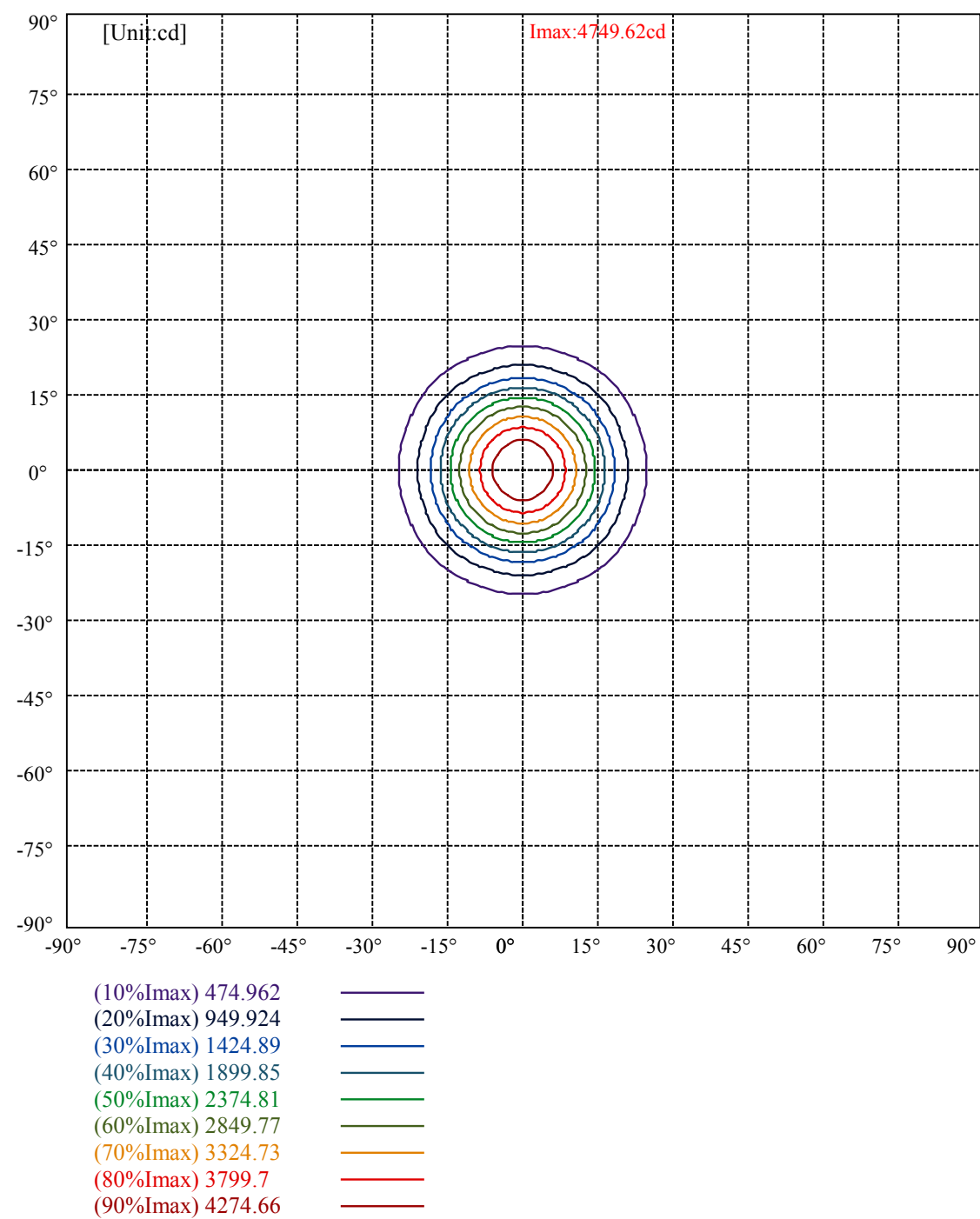
Operator: 01  
Distance(m): 6.90



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



Max , Ave      Beam angle of C0 plane 28.51



## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	3700	2015	1205	1173	1352	1676	2207	3290	6511
C45	3700	2015	1205	1173	1352	1676	2207	3290	6511
C90	3700	2015	1205	1173	1352	1676	2207	3290	6511

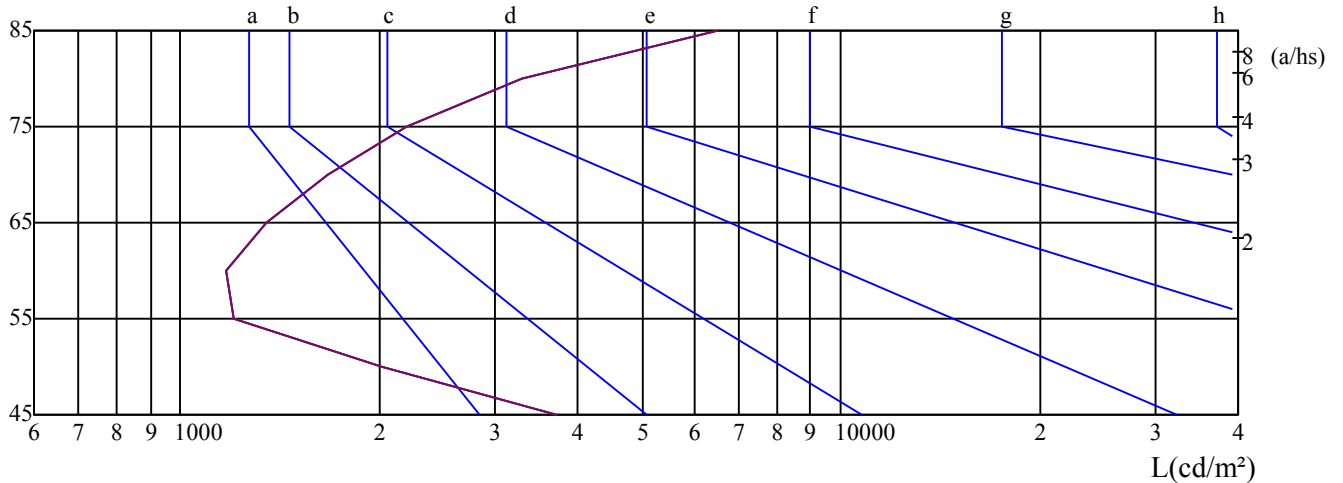
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1352	1352	1352	2207	2207	2207	6511	6511	6511

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 —

Equipment: equipamento lumini  
Temperature( $^{\circ}$ C): 25.5

Date: 8/23/2024  
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	8.05	8.96	8.42	9.27	9.59	8.30	9.21	8.66	9.52	9.83
	3H	8.29	9.10	8.68	9.44	9.79	8.53	9.34	8.91	9.67	10.02
	4H	8.66	9.40	9.06	9.76	10.13	8.88	9.63	9.28	9.98	10.35
	6H	9.36	10.04	9.78	10.42	10.82	9.57	10.25	9.99	10.63	11.03
	8H	9.87	10.52	10.30	10.91	11.32	10.08	10.73	10.50	11.12	11.53
	12H	10.59	11.21	11.02	11.60	12.02	10.79	11.41	11.22	11.80	12.22
4H	2H	7.88	8.62	8.28	8.98	9.35	8.11	8.86	8.51	9.21	9.58
	3H	8.31	8.94	8.74	9.34	9.75	8.52	9.15	8.95	9.55	9.97
	4H	8.95	9.49	9.39	9.92	10.37	9.15	9.69	9.59	10.11	10.56
	6H	9.96	10.43	10.43	10.89	11.34	10.14	10.62	10.62	11.07	11.53
	8H	10.71	11.15	11.20	11.61	12.09	10.89	11.33	11.38	11.79	12.27
	12H	11.70	12.10	12.19	12.56	13.08	11.87	12.28	12.36	12.73	13.25
8H	4H	9.19	9.63	9.67	10.09	10.56	9.36	9.80	9.85	10.26	10.74
	6H	10.52	10.88	11.03	11.36	11.88	10.68	11.04	11.19	11.52	12.03
	8H	11.56	11.86	12.09	12.38	12.88	11.71	12.01	12.24	12.53	13.03
	12H	12.83	13.05	13.37	13.57	14.10	12.97	13.20	13.52	13.72	14.24
12H	4H	9.28	9.68	9.77	10.14	10.66	9.44	9.85	9.93	10.30	10.83
	6H	10.78	11.08	11.32	11.61	12.11	10.93	11.23	11.46	11.75	12.25
	8H	11.91	12.13	12.45	12.65	13.18	12.04	12.27	12.59	12.79	13.31
Variation with the observer position at spacings:											
S = 1.0H		4.0/-3.4					4.0/-3.4				
S = 1.5H		5.1/-2.5					5.1/-2.5				
S = 2.0H		5.8/-2.1					5.8/-2.1				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.1					-4.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25