



lumini Solucoes em Iluminacao LTDA
www.lumini.com.br
Email: laboratorio@lumini.com.br
Tel: +55 11 3437-5555 Fax: +55 11 3437-5555
Address: Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

lumini

LumCAT:

Luminaire: mini track concentra flex 17 serie 3 e fc

LampCAT: modulo led 8W 30K irc 90

Ballast type:

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.1160

Number of Lamps: 1

Power (W): 10.0500

Lamp flux(lm): 715.0

PF: 0.9990

Length(mm): 145

Width(mm): 20

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 526.65, Efficiency(%): 73.66% , Luminous Efficacy(lm/W): 52.40

Central intensity(cd): 3646.688, Maximum intensity(cd): 3646.688

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

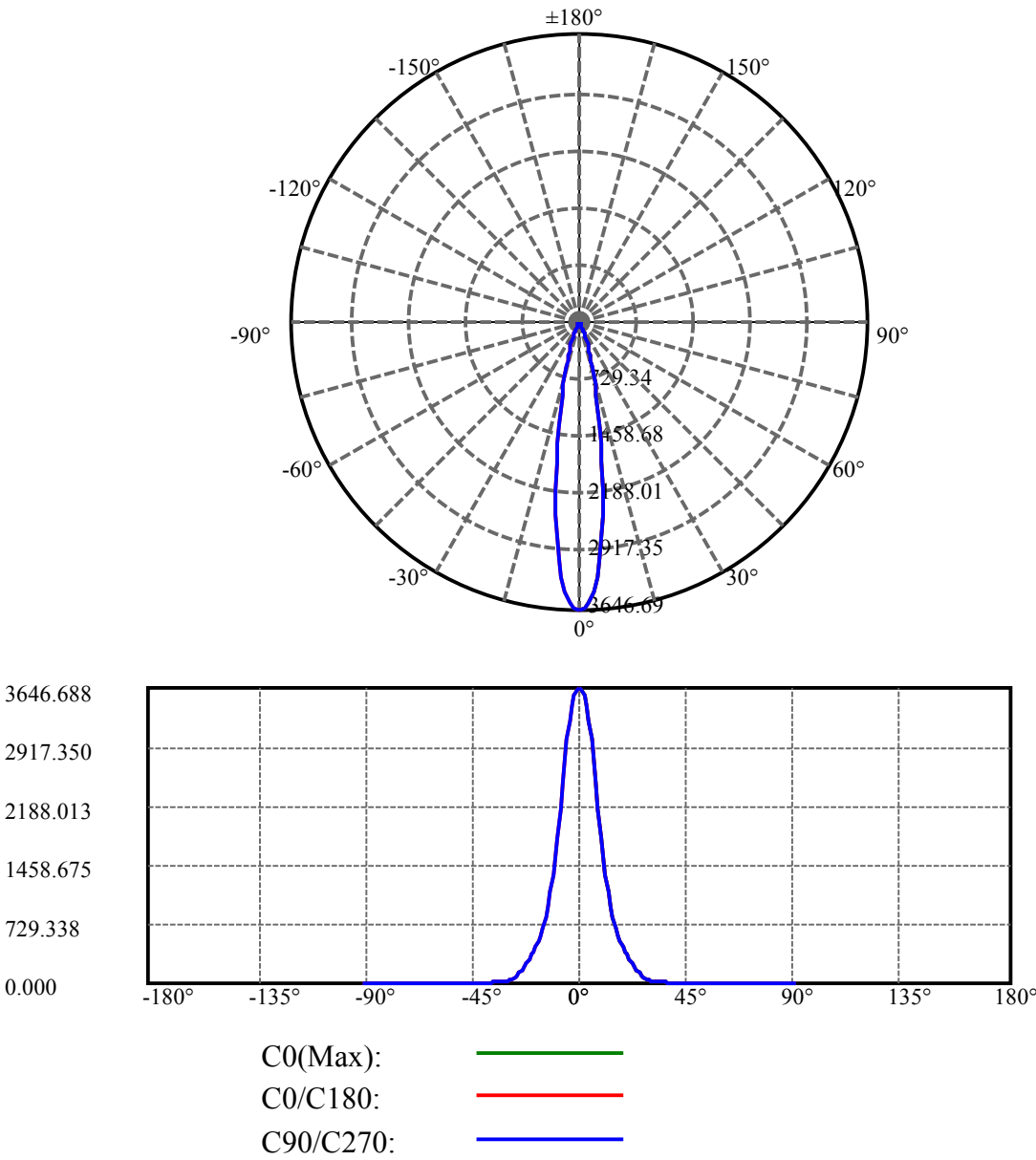
Beam angle of C0 plane : 17.78

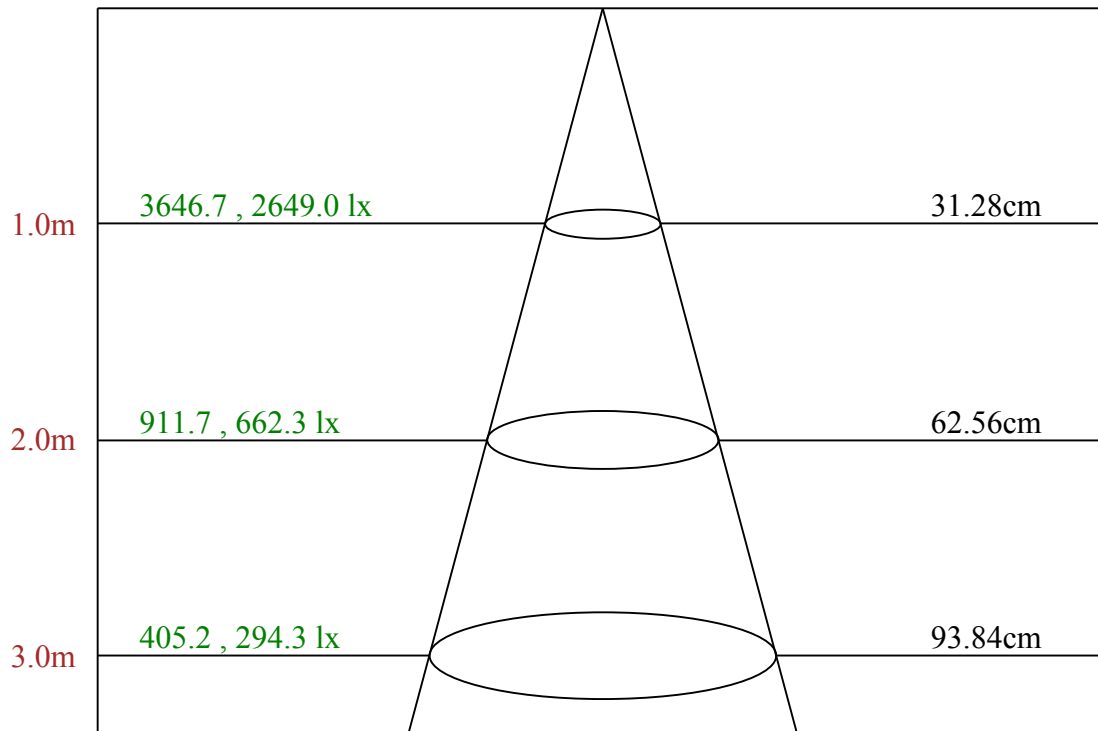
Average BeamAngle(IEC 61341): 17.78

Equipment: equipamento lumini
Temperature(°C): 25.5

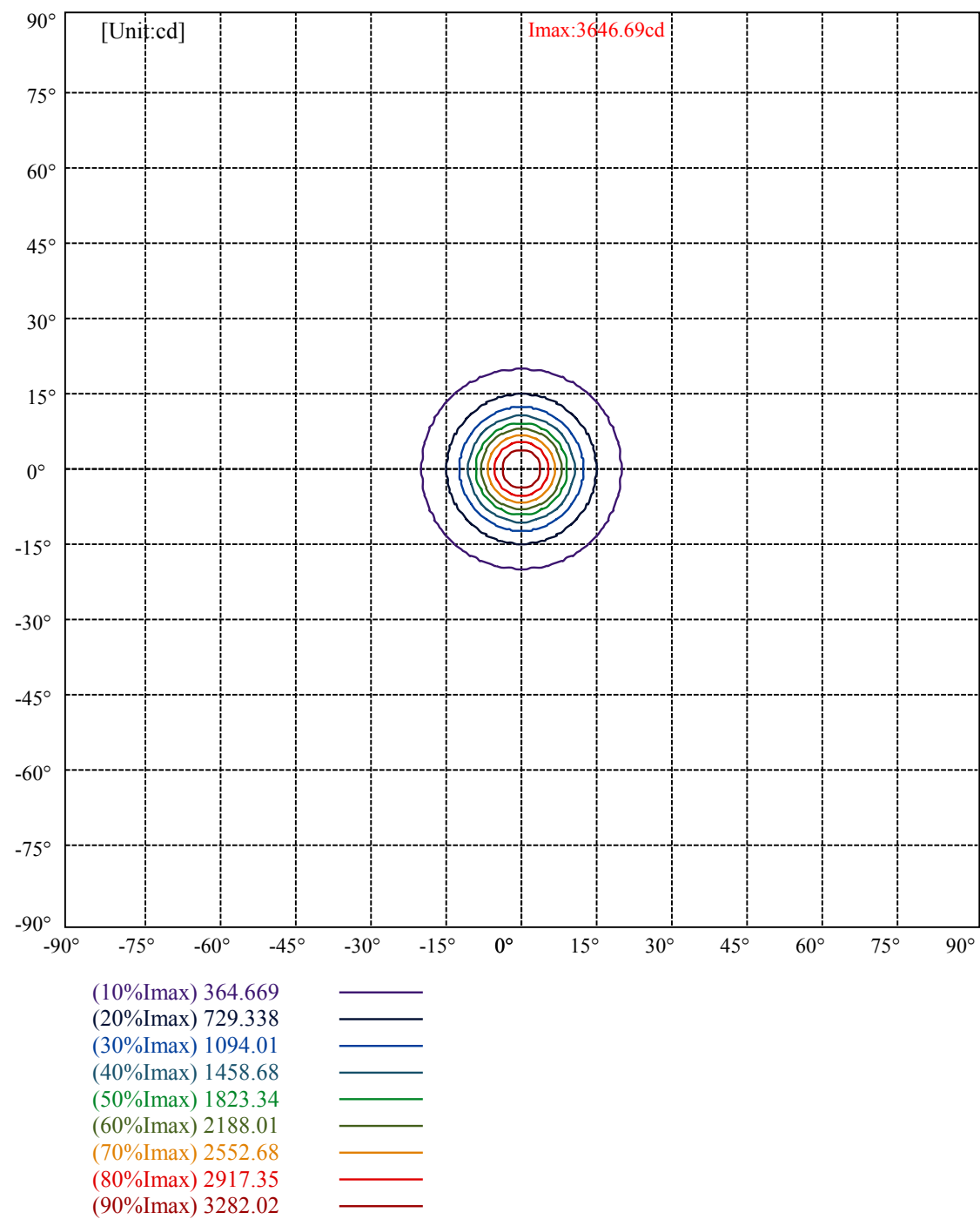
Date: 8/5/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 17.78



lumini

Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	2612	2165	1553	1313	1408	1644	2125	3049	5981
C45	2612	2165	1553	1313	1408	1644	2125	3049	5981
C90	2612	2165	1553	1313	1408	1644	2125	3049	5981

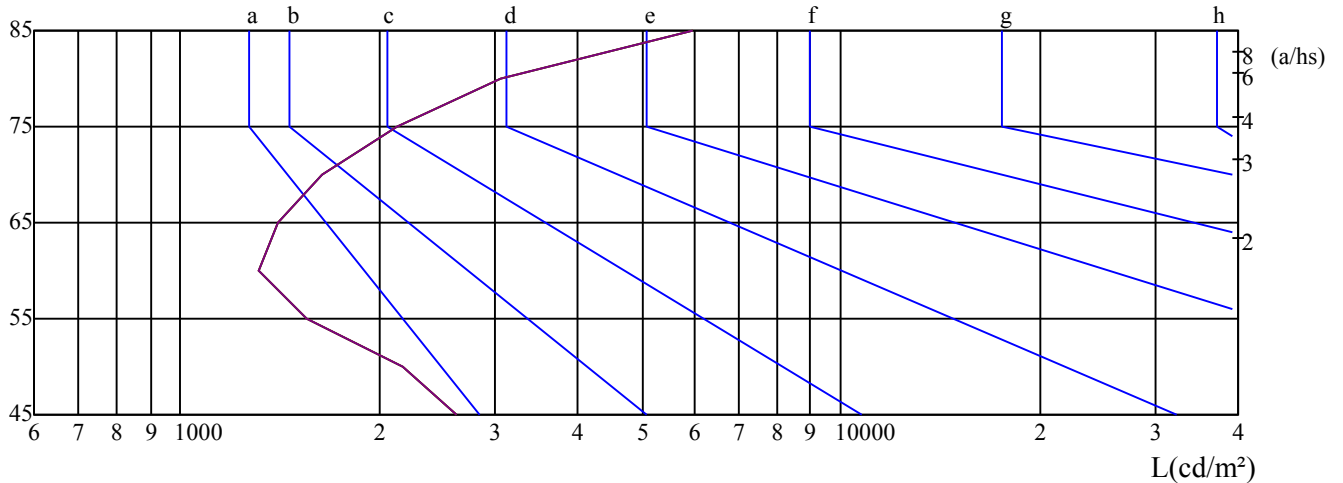
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1408	1408	1408	2125	2125	2125	5981	5981	5981

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: 8/5/2024
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	4.56	5.47	4.93	5.78	6.10	4.78	5.69	5.14	6.00	6.32
	3H	5.62	6.43	6.01	6.77	7.12	5.82	6.63	6.21	6.97	7.32
	4H	6.50	7.25	6.91	7.61	7.98	6.66	7.41	7.06	7.77	8.14
	6H	7.80	8.48	8.22	8.86	9.26	7.92	8.60	8.34	8.98	9.38
	8H	8.64	9.29	9.07	9.68	10.09	8.73	9.38	9.15	9.76	10.17
	12H	9.63	10.25	10.06	10.64	11.06	9.71	10.33	10.14	10.72	11.14
4H	2H	4.73	5.48	5.13	5.84	6.21	4.92	5.67	5.32	6.02	6.39
	3H	6.14	6.77	6.57	7.16	7.58	6.30	6.93	6.73	7.33	7.75
	4H	7.35	7.89	7.79	8.32	8.77	7.47	8.01	7.91	8.44	8.89
	6H	8.91	9.38	9.38	9.84	10.29	9.00	9.48	9.47	9.93	10.38
	8H	9.94	10.38	10.42	10.84	11.32	9.99	10.43	10.48	10.89	11.37
	12H	11.12	11.52	11.61	11.98	12.50	11.17	11.58	11.67	12.04	12.56
8H	4H	7.83	8.27	8.32	8.73	9.21	7.93	8.37	8.41	8.83	9.30
	6H	9.70	10.06	10.21	10.54	11.06	9.77	10.13	10.28	10.61	11.12
	8H	10.99	11.29	11.52	11.81	12.31	11.03	11.33	11.56	11.85	12.35
	12H	12.41	12.64	12.96	13.16	13.68	12.46	12.69	13.01	13.20	13.73
12H	4H	7.98	8.39	8.47	8.84	9.36	8.07	8.48	8.56	8.93	9.45
	6H	10.02	10.32	10.55	10.84	11.34	10.08	10.38	10.62	10.90	11.40
	8H	11.39	11.61	11.93	12.13	12.66	11.42	11.65	11.97	12.17	12.69
Variation with the observer position at spacings:											
S = 1.0H		1.5/-1.1					1.5/-1.1				
S = 1.5H		1.7/-1.2					1.7/-1.2				
S = 2.0H		1.9/-1.3					1.9/-1.3				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-5.9					-5.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25