



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 diffuse 30 9W 30K

LampCAT: led line 15Wm 30K irc 90 12V

Ballast type:

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0770

Number of Lamps: 1

Power (W): 14.2500

Lamp flux(lm): 838.0

PF: 0.8200

Length(mm): 30

Width(mm): 300

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 377.35, Efficiency(%): 45.03% , Luminous Efficacy(lm/W): 26.48

Central intensity(cd): 126.214, Maximum intensity(cd): 127.642

Angle of maximum intensity: C=0.0 γ =10.0

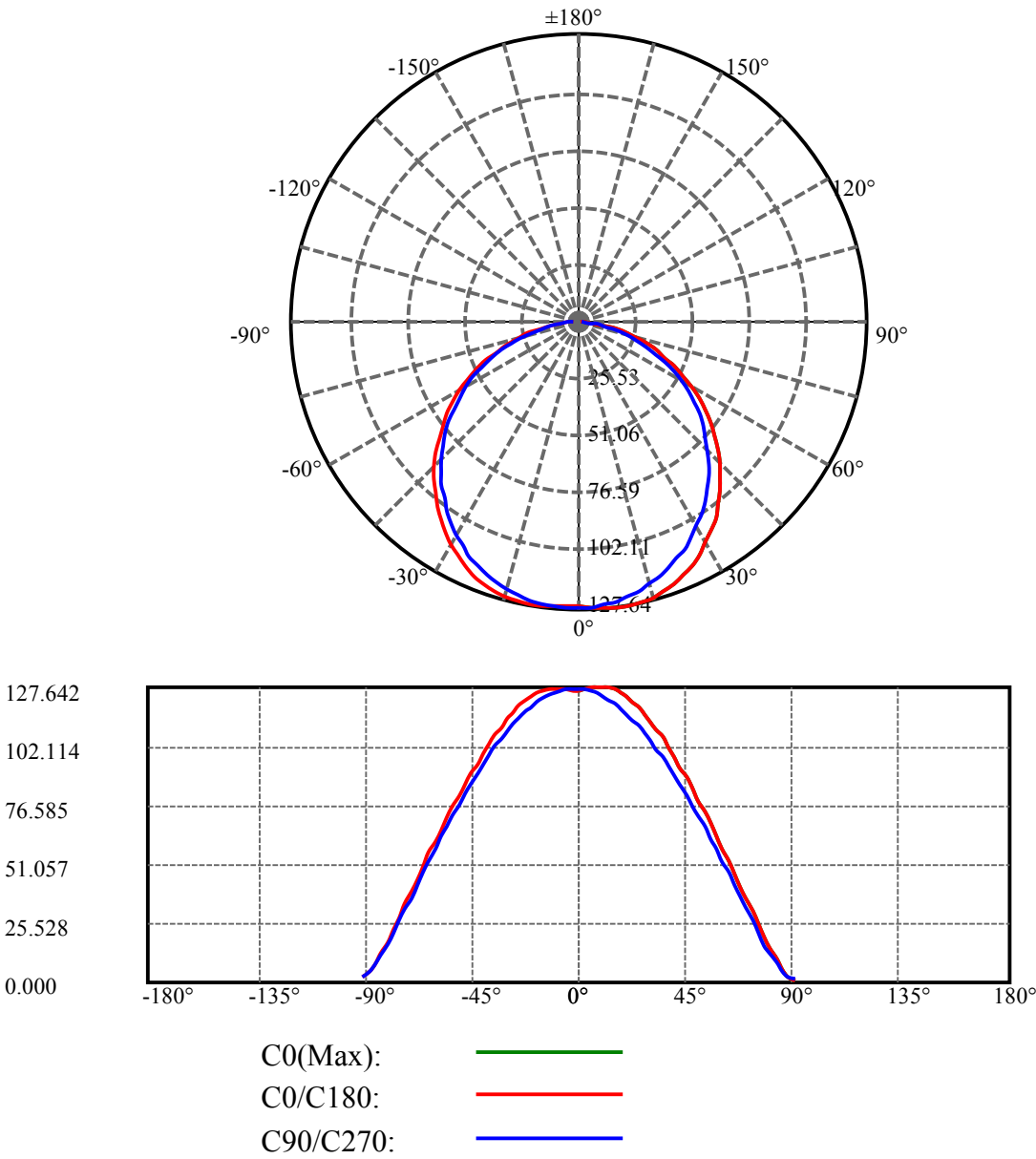
Beam angle of C0 plane : 116.14

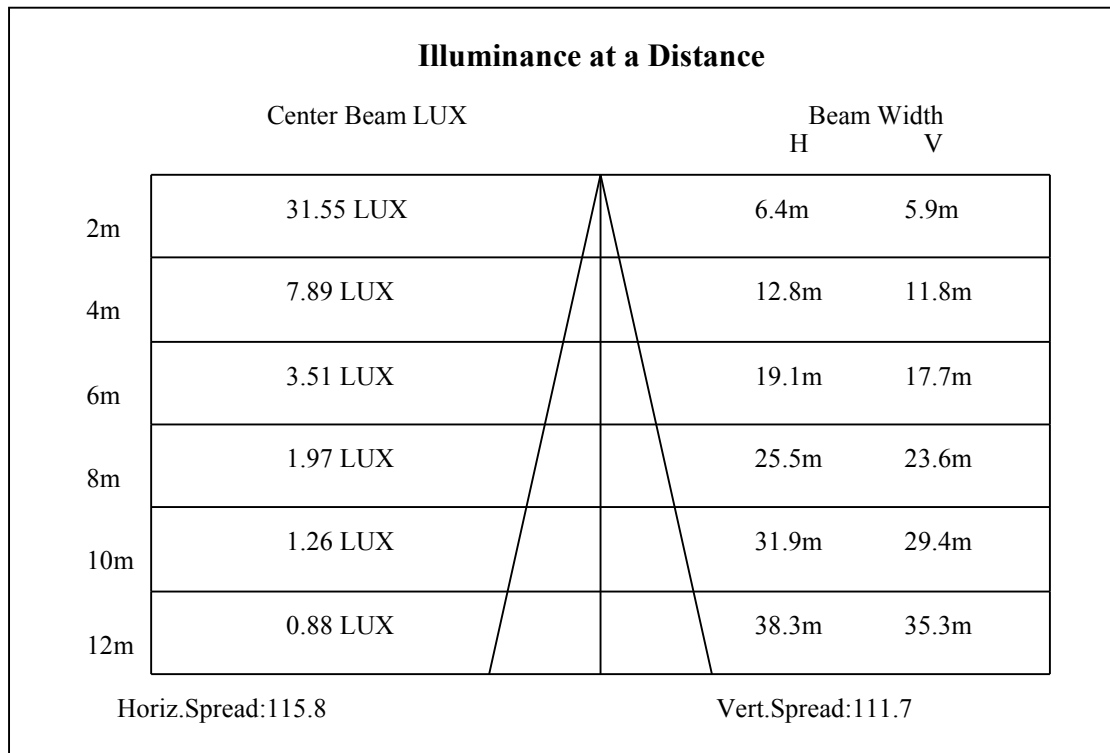
Aveage BeamAngle(IEC 61341):115.03

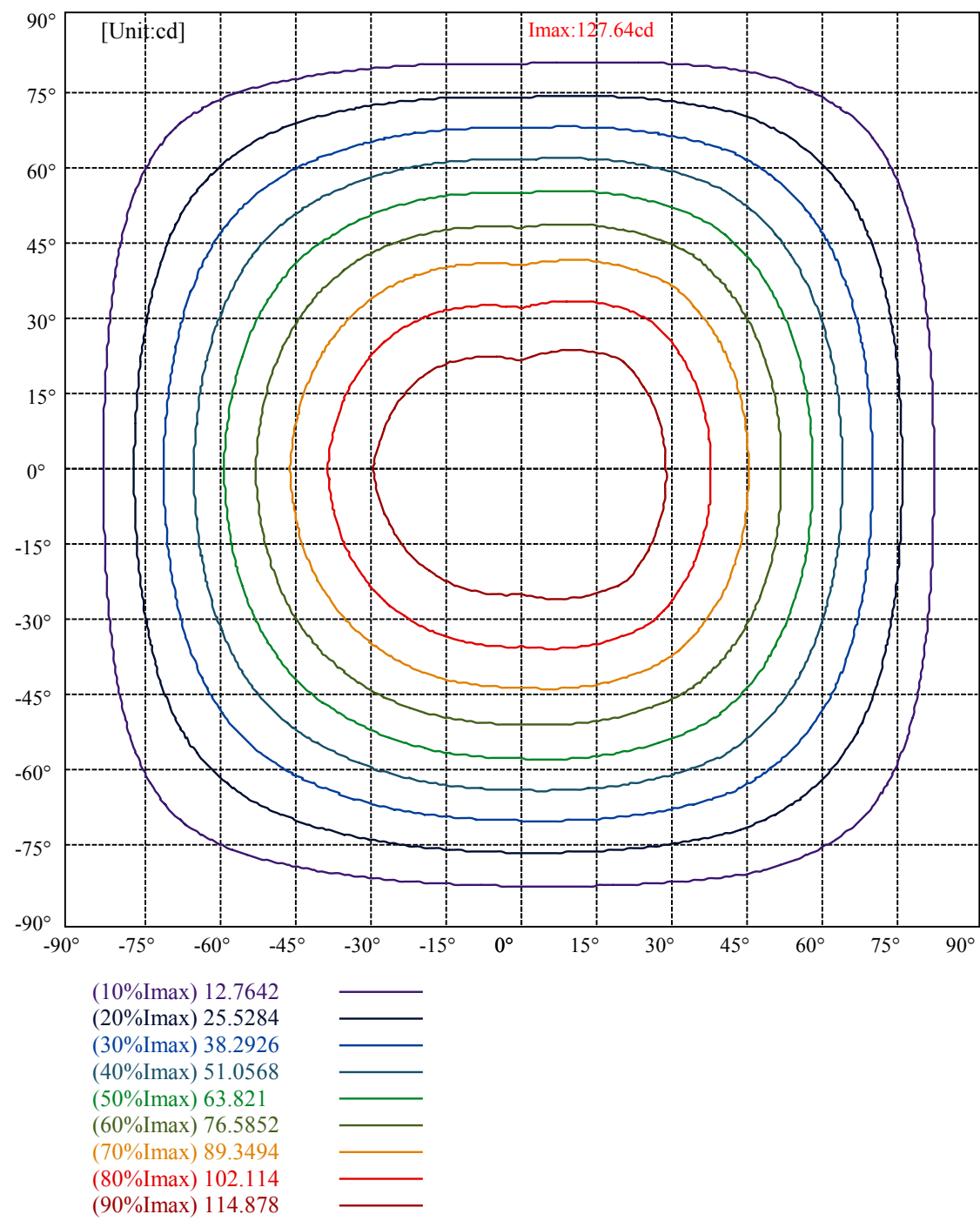
Equipment:
Temperature(°C):

Date: 6/3/2024
Humidity(%): %

Operator:







Equipment:
Temperature(°C):

Date: 6/3/2024
Humidity(%): %

Operator:

Luminance Table

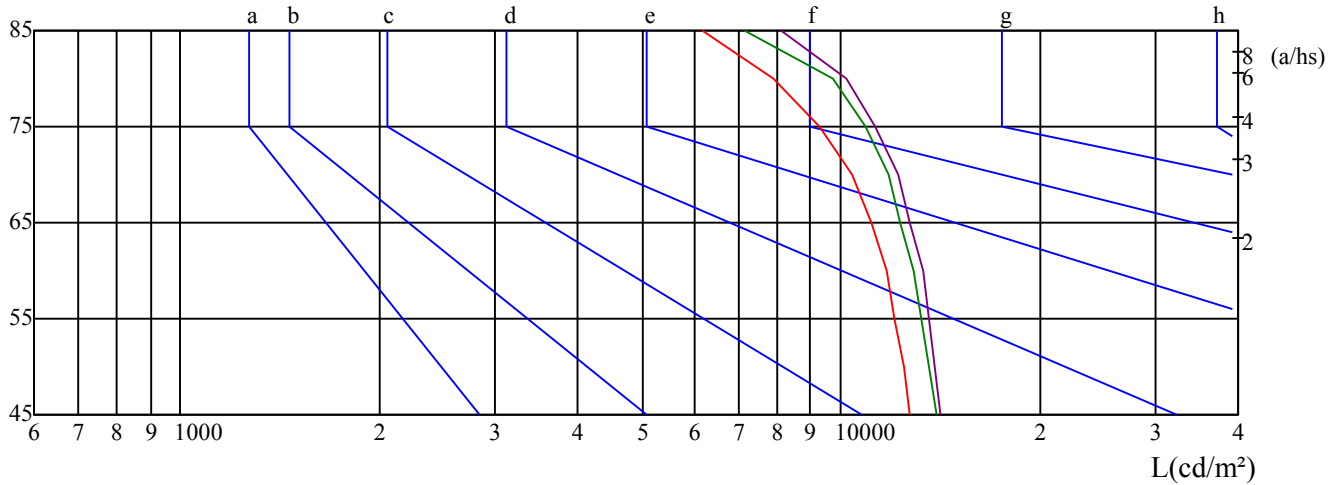
γ	45	50	55	60	65	70	75	80	85
C0	13952	13587	13290	12886	12317	11817	10915	9718	7162
C45	14192	13884	13585	13310	12718	12188	11303	10175	8134
C90	12718	12460	12054	11712	11103	10440	9300	7890	6191

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
12717	11785	12639	11466	10403	11226	8679	8255	8406

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

Date: 6/3/2024
Humidity(%): %

Operator:

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	21.52	23.17	21.88	23.49	23.80	21.15	22.80	21.51	23.12	23.43
	3H	23.20	24.70	23.58	25.04	25.38	22.75	24.25	23.13	24.58	24.92
	4H	23.84	25.25	24.23	25.60	25.96	23.31	24.72	23.70	25.07	25.43
	6H	24.32	25.63	24.72	26.00	26.39	23.70	25.02	24.11	25.38	25.78
	8H	24.44	25.71	24.85	26.08	26.48	23.80	25.07	24.21	25.44	25.84
	12H	24.50	25.71	24.91	26.10	26.50	23.84	25.06	24.25	25.44	25.85
4H	2H	22.26	23.67	22.65	24.02	24.38	21.98	23.39	22.37	23.74	24.10
	3H	24.10	25.31	24.51	25.69	26.10	23.73	24.94	24.15	25.32	25.73
	4H	24.91	25.98	25.34	26.39	26.83	24.47	25.54	24.90	25.95	26.39
	6H	25.47	26.42	25.92	26.86	27.30	24.93	25.89	25.39	26.32	26.76
	8H	25.66	26.56	26.13	27.00	27.46	25.09	25.99	25.56	26.43	26.89
	12H	25.77	26.61	26.25	27.04	27.54	25.19	26.02	25.66	26.46	26.96
8H	4H	25.20	26.09	25.67	26.54	27.00	24.81	25.71	25.28	26.15	26.61
	6H	25.89	26.64	26.37	27.10	27.60	25.41	26.16	25.89	26.62	27.12
	8H	26.20	26.86	26.71	27.37	27.85	25.69	26.35	26.20	26.85	27.34
	12H	26.38	26.93	26.89	27.44	27.94	25.84	26.40	26.36	26.91	27.41
12H	4H	25.22	26.06	25.70	26.49	26.99	24.85	25.68	25.32	26.12	26.62
	6H	26.00	26.66	26.50	27.16	27.65	25.54	26.19	26.04	26.70	27.18
	8H	26.31	26.86	26.82	27.37	27.88	25.81	26.37	26.33	26.88	27.38
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.2/-0.6				
S = 1.5H		0.6/-0.7					0.6/-0.6				
S = 2.0H		0.7/-0.9					0.7/-0.8				
Standard tables:		BK4					BK4				
Uncorrected UGR		7.4					7.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25