



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 solum way

LampCAT: modulo led tr 5W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0400

Number of Lamps: 1

Power (W): 4.7700

Lamp flux(lm): 290.0

PF: 0.0000

Length(mm): 34

Width(mm): 1

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1.85, Efficiency(%): 0.64% , Luminous Efficacy(lm/W): 0.39

Central intensity(cd): 0.619, Maximum intensity(cd): 0.667

Angle of maximum intensity: C=135.0 γ =9.0

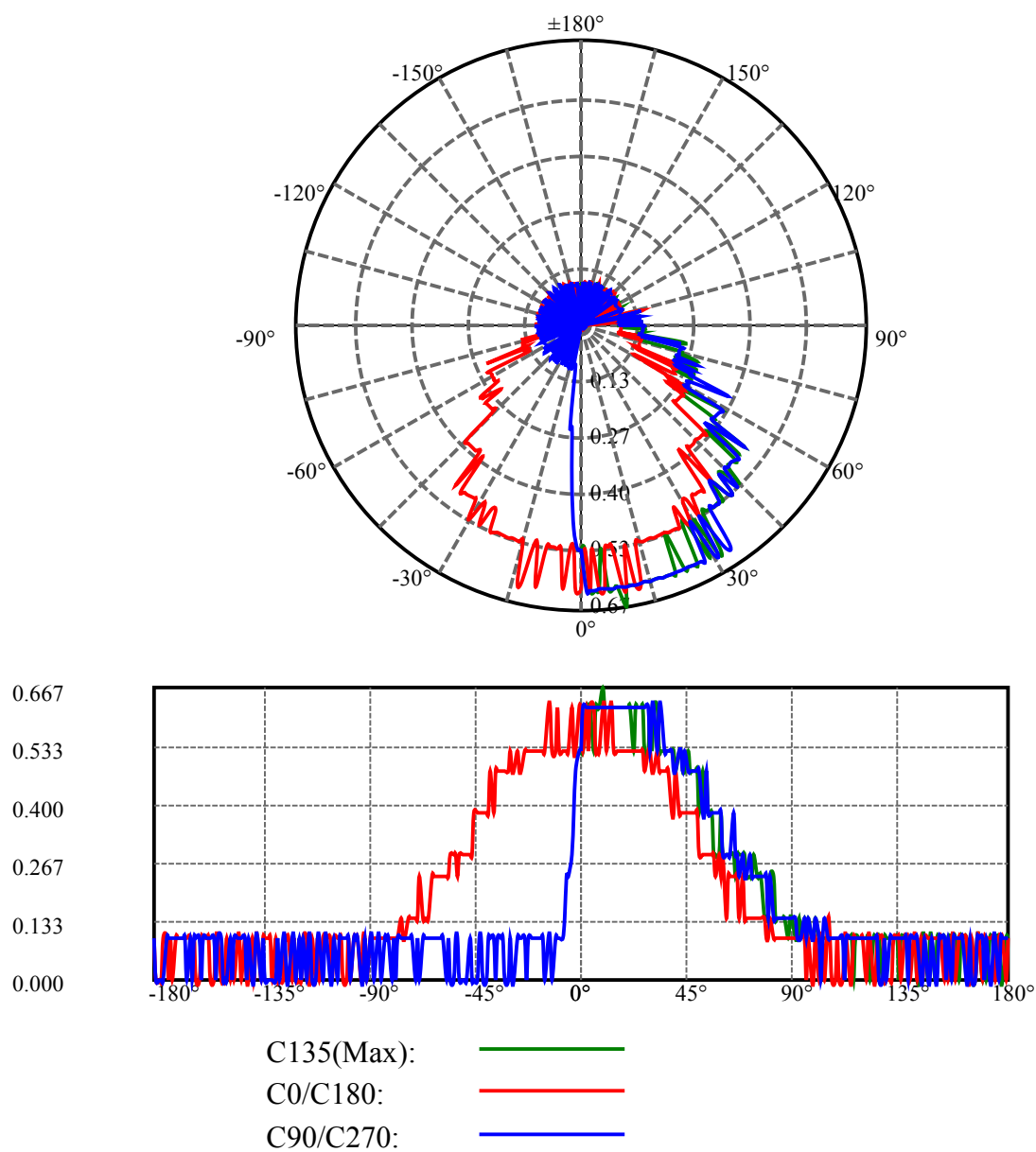
Beam angle of C135 plane : 80.00

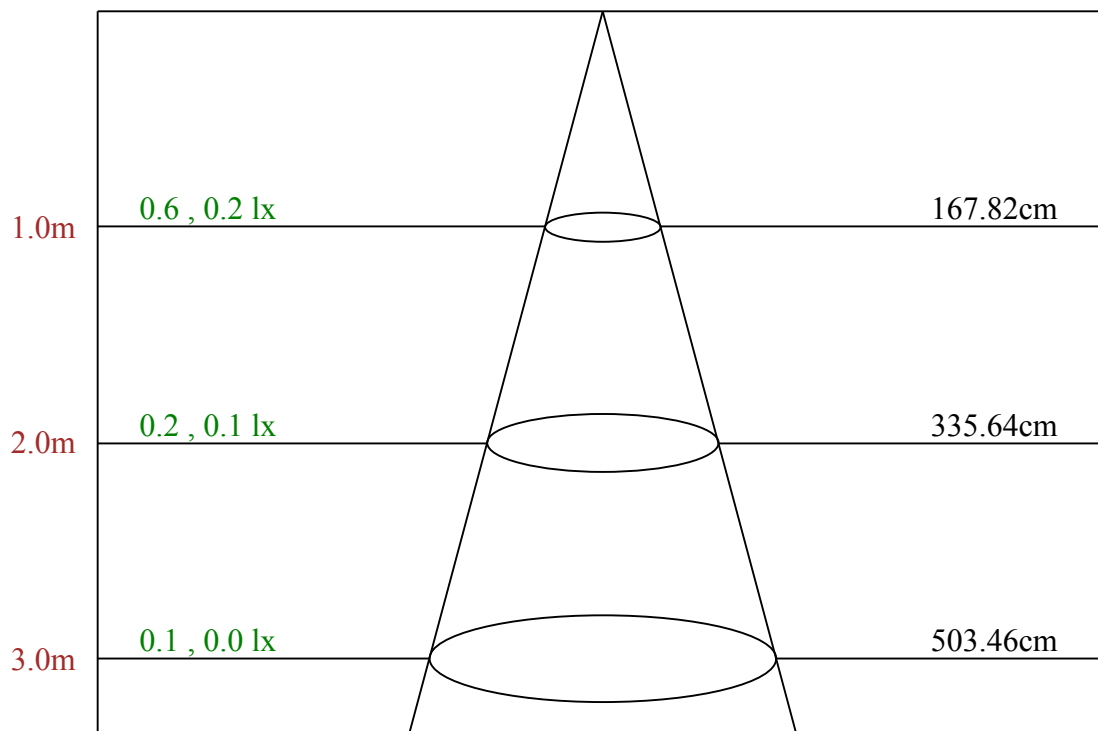
Aveage BeamAngle(IEC 61341):95.50

Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 05/02/2025
Humidity(%): 78.0%

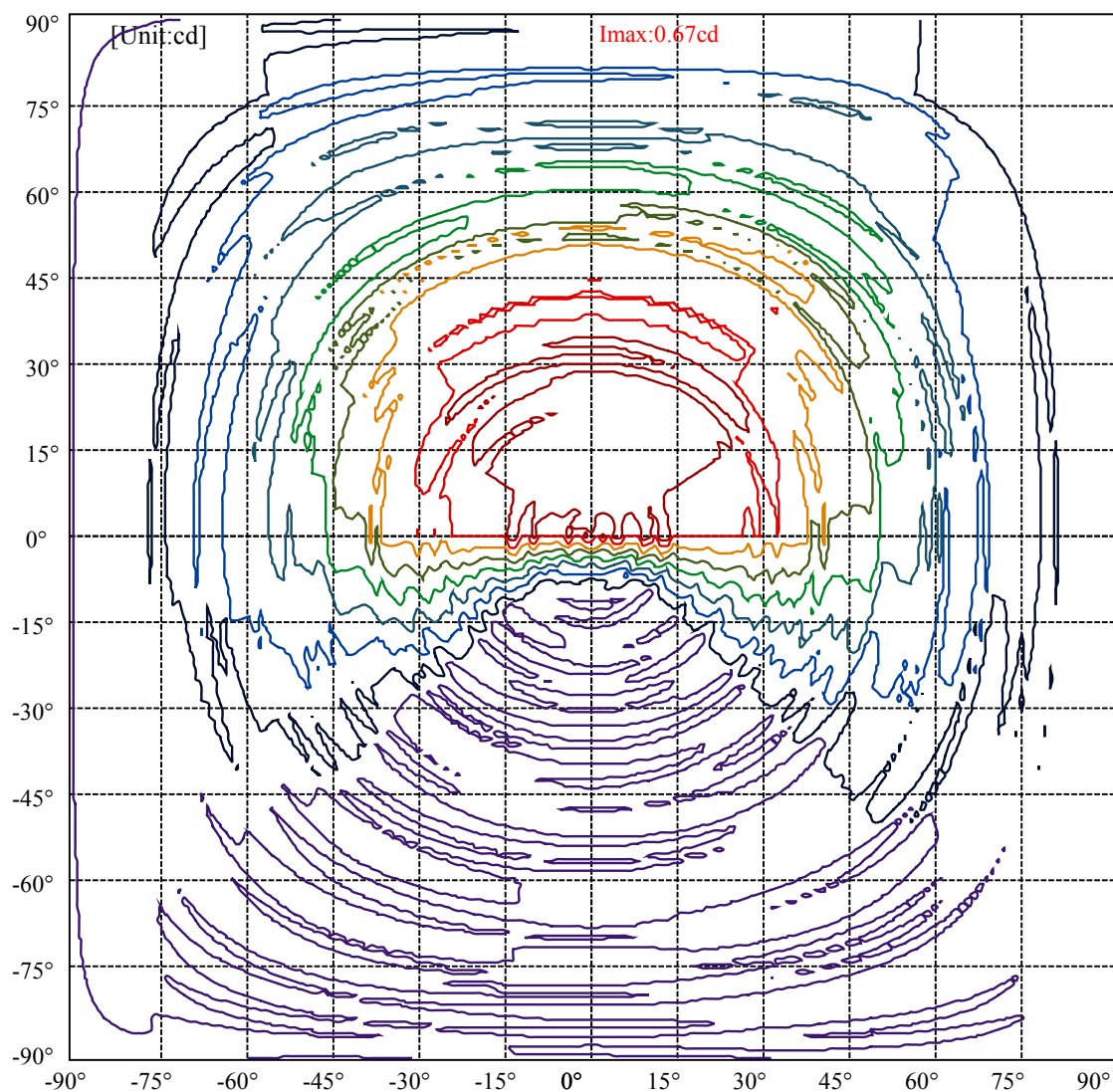
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C135 plane 80.00



(10%Imax) 0.0653019	—
(20%Imax) 0.130604	—
(30%Imax) 0.195906	—
(40%Imax) 0.261208	—
(50%Imax) 0.32651	—
(60%Imax) 0.391812	—
(70%Imax) 0.457114	—
(80%Imax) 0.522415	—
(90%Imax) 0.587717	—

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	15843	13071	14648	16804	16567	12283	16231	24192	32133
C45	19803	21785	24413	22405	19880	24565	27052	40320	48200
C90	19803	21785	19531	16804	19880	20471	27052	40320	48200

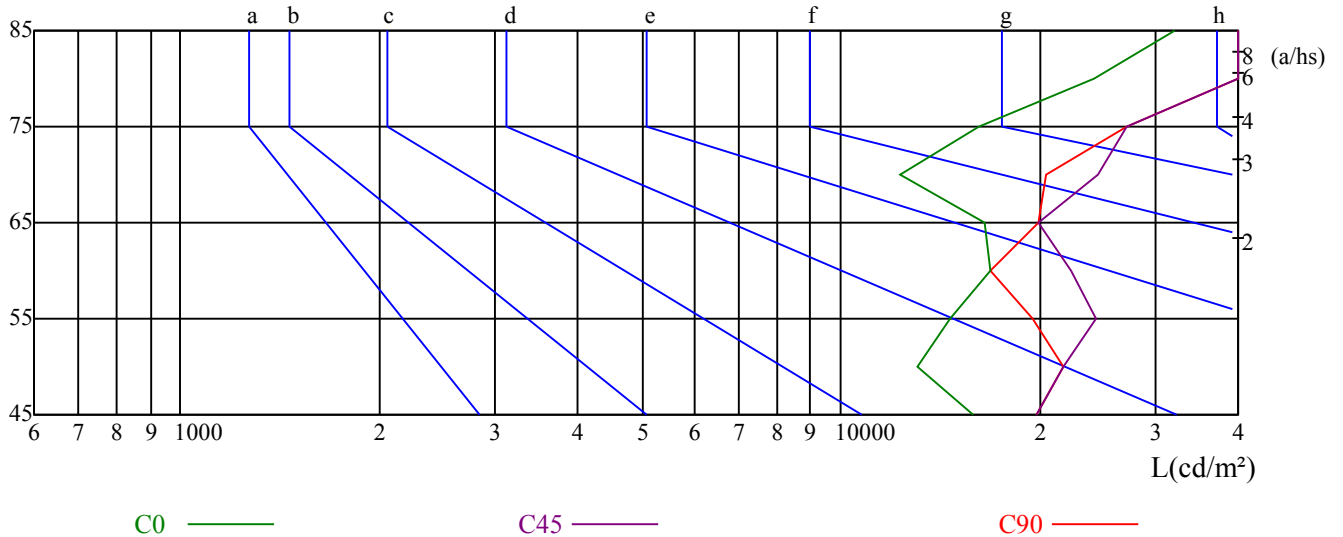
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
13254	13254	12425	13526	18936	16231	32133	40166	40166

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

$\gamma(^{\circ})$



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 25.0

Date: 05/02/2025
Humidity(%): 78.0%

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	21.85	23.11	22.52	23.81	24.63	22.88	24.14	23.55	24.84	25.66
	3H	23.55	24.71	24.24	25.42	26.26	24.98	26.13	25.67	26.85	27.68
	4H	24.37	25.46	25.07	26.18	27.03	26.14	27.23	26.84	27.96	28.81
	6H	25.32	26.34	26.03	27.07	27.95	27.51	28.53	28.22	29.26	30.14
	8H	25.69	26.69	26.41	27.42	28.30	27.92	28.91	28.63	29.65	30.53
	12H	26.18	27.14	26.90	27.88	28.77	28.47	29.42	29.19	30.16	31.05
4H	2H	23.04	24.14	23.74	24.86	25.71	23.76	24.85	24.46	25.57	26.42
	3H	24.90	25.85	25.62	26.59	27.48	26.02	26.97	26.74	27.71	28.60
	4H	25.99	26.85	26.73	27.61	28.52	27.44	28.30	28.17	29.05	29.96
	6H	27.15	27.93	27.91	28.70	29.61	28.99	29.77	29.75	30.54	31.45
	8H	27.61	28.34	28.38	29.12	30.04	29.49	30.22	30.26	31.00	31.92
	12H	28.18	28.86	28.95	29.63	30.59	30.15	30.83	30.92	31.60	32.55
8H	4H	26.92	27.65	27.69	28.43	29.35	28.05	28.78	28.82	29.56	30.48
	6H	28.45	29.07	29.23	29.86	30.81	29.88	30.50	30.66	31.29	32.24
	8H	29.05	29.60	29.84	30.41	31.36	30.53	31.08	31.33	31.90	32.84
	12H	29.74	30.22	30.54	31.04	31.99	31.34	31.81	32.14	32.64	33.59
12H	4H	27.16	27.84	27.93	28.61	29.57	28.19	28.86	28.95	29.64	30.59
	6H	28.82	29.37	29.61	30.19	31.13	30.11	30.66	30.91	31.48	32.42
	8H	29.45	29.93	30.25	30.75	31.70	30.79	31.26	31.59	32.09	33.04
Variation with the observer position at spacings:											
S = 1.0H		0.1/-1.1					0.2/-1.0				
S = 1.5H		0.2/-1.0					0.5/-0.9				
S = 2.0H		0.2/-0.6					0.4/-0.9				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		14.6					13.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25