



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: led washer 12v e - 7.5W

LampCAT: modulo led line 15W/m 30K irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 127.8300

Test No:

Current(A): 0.1010

Number of Lamps: 1

Power (W): 11.7350

Lamp flux(lm): 707.0

PF: 0.9120

Length(mm): 500

Width(mm): 500

Phm Type: C

Height(mm): 0

---

## Photometric Results

---

Lumens(lm): 322.00, Efficiency(%): 45.54% , Luminous Efficacy(lm/W): 27.44

Central intensity(cd): 84.603, Maximum intensity(cd): 136.403

Angle of maximum intensity: C=0.0  $\gamma$ =45.0

Beam angle of C0 plane : 77.96

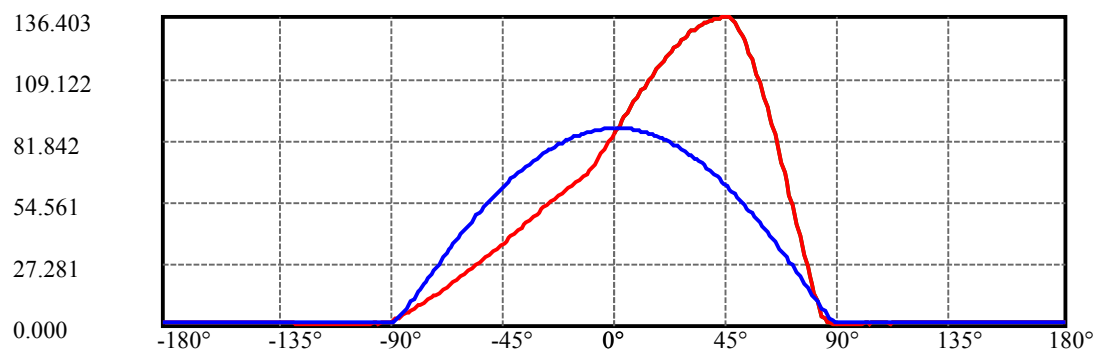
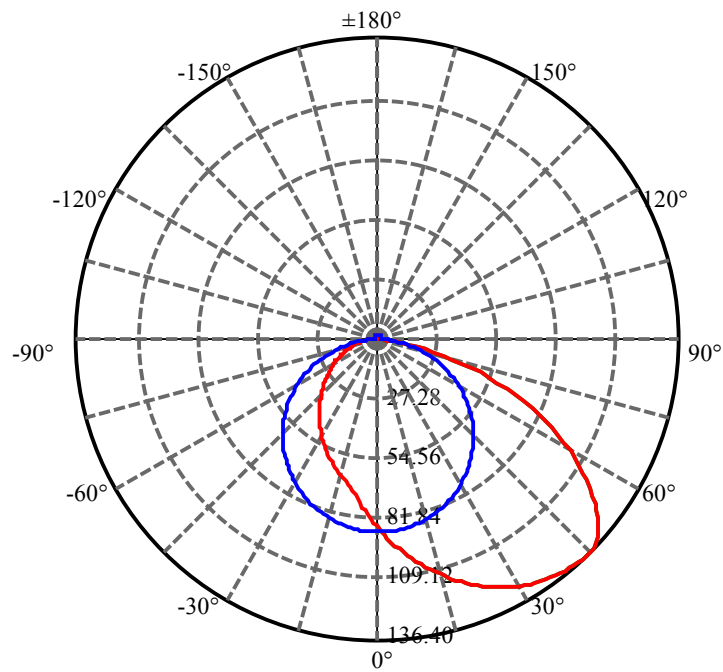
Average BeamAngle(IEC 61341): 118.24

---

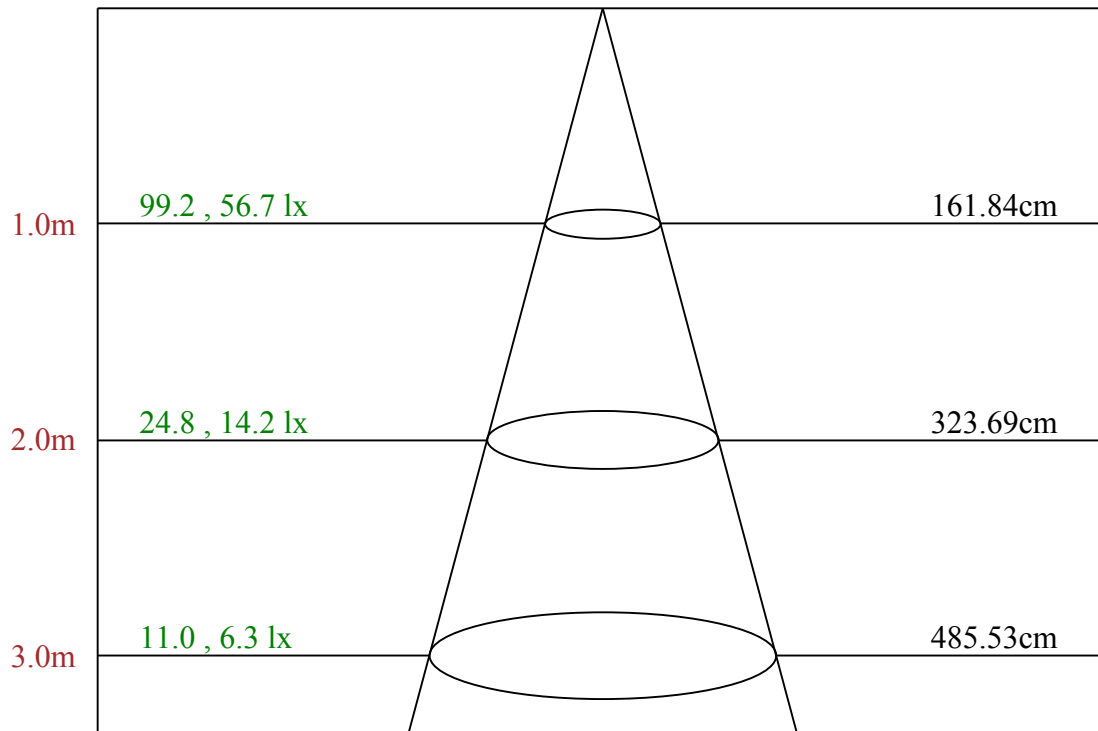
Equipment: equipamento lumini  
Temperature(°C): 25.0

Date: 03/06/2025  
Humidity(%): 58.0%

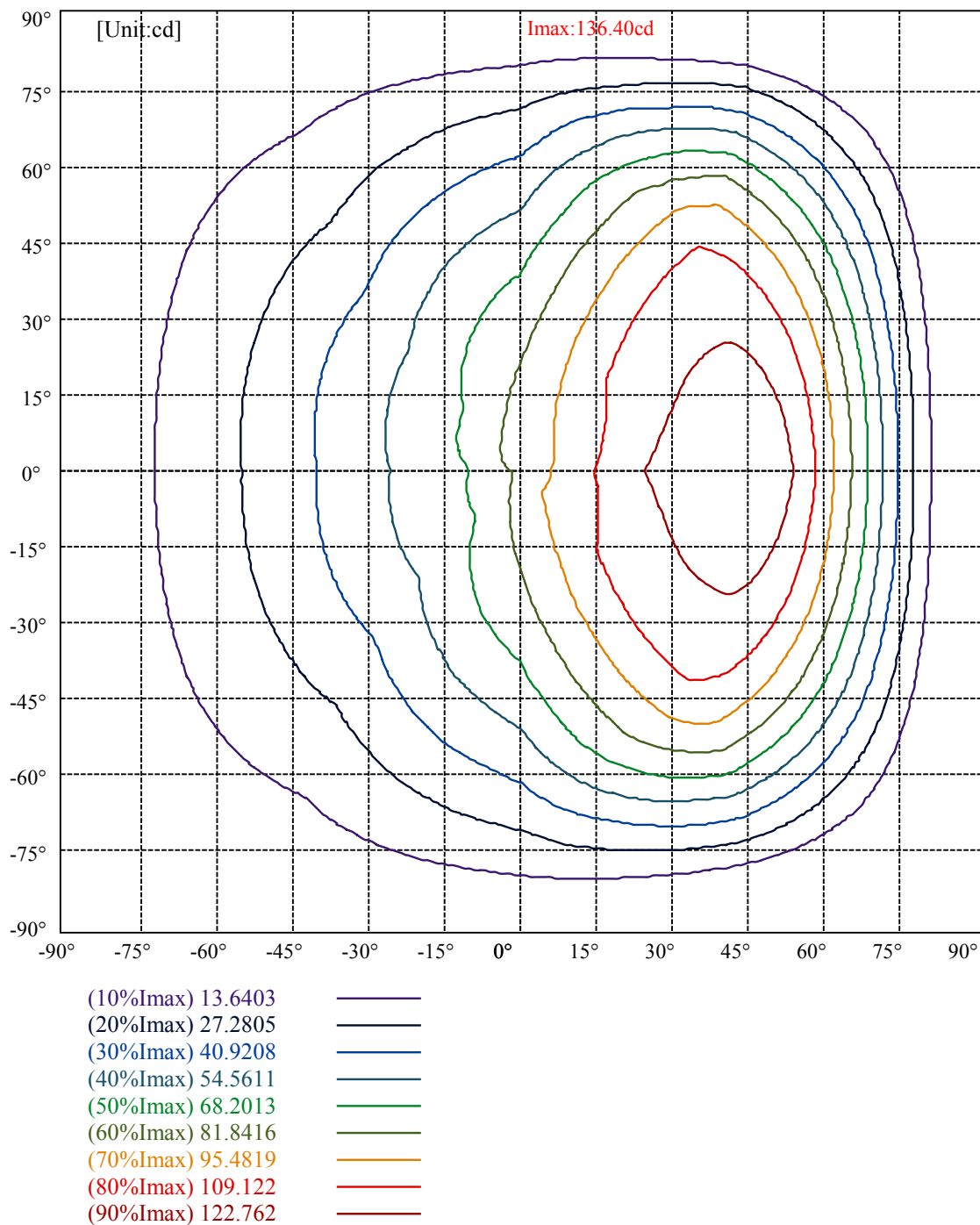
Operator: 01  
Distance(m): 6.90



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



Max , Ave      Beam angle of C0 plane 77.96



## lumini

### Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

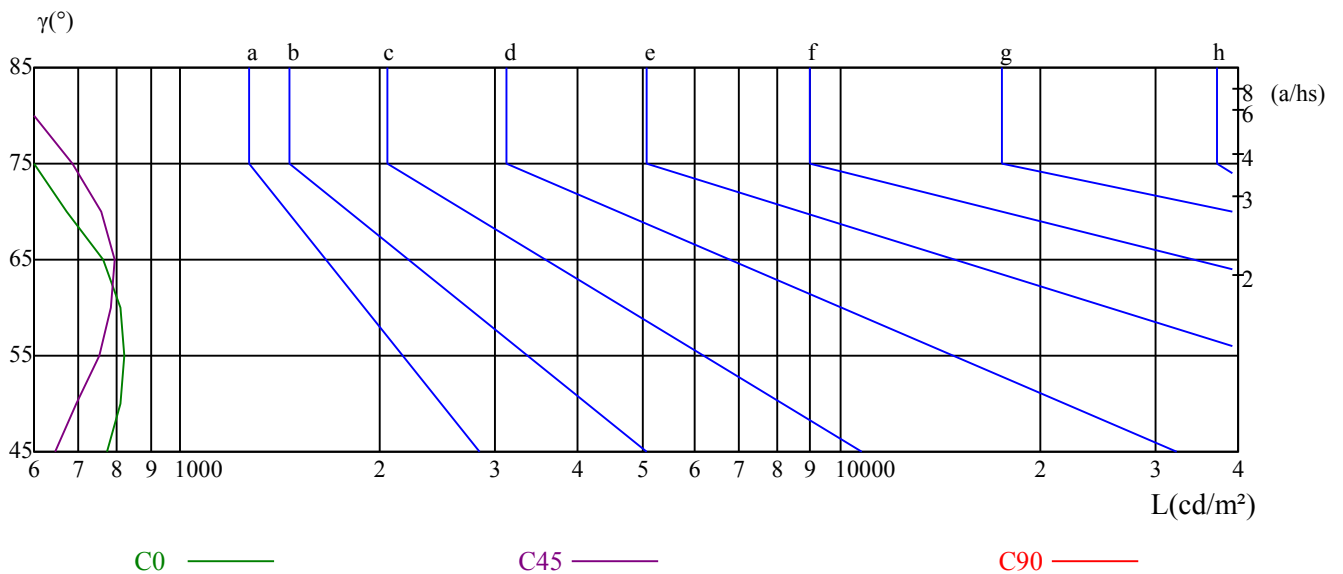
$\gamma$	45	50	55	60	65	70	75	80	85
C0	772	811	822	809	762	674	547	328	92
C45	645	694	752	782	795	761	687	547	210
C90	349	348	346	344	337	331	314	287	227

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
470	333	470	359	310	399	141	235	170

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



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

Date: 03/06/2025  
Humidity(%): 58.0%

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	13.66	15.30	14.06	15.67	16.06	10.87	12.51	11.27	12.88	13.26
	3H	15.46	16.95	15.88	17.35	17.76	12.42	13.91	12.84	14.31	14.71
	4H	15.98	17.39	16.42	17.79	18.22	12.95	14.35	13.38	14.76	15.18
	6H	16.24	17.55	16.68	17.97	18.42	13.31	14.62	13.76	15.04	15.50
	8H	16.23	17.49	16.68	17.92	18.38	13.39	14.65	13.84	15.08	15.55
	12H	16.18	17.40	16.64	17.83	18.31	13.42	14.63	13.88	15.07	15.54
4H	2H	14.44	15.84	14.87	16.25	16.68	12.55	13.95	12.98	14.36	14.79
	3H	16.39	17.59	16.85	18.03	18.50	14.23	15.43	14.69	15.87	16.34
	4H	17.07	18.14	17.55	18.61	19.11	14.89	15.95	15.36	16.42	16.92
	6H	17.38	18.33	17.88	18.82	19.32	15.28	16.23	15.78	16.72	17.22
	8H	17.41	18.30	17.92	18.79	19.32	15.39	16.28	15.90	16.77	17.30
	12H	17.40	18.23	17.92	18.72	19.28	15.45	16.28	15.97	16.77	17.33
8H	4H	17.34	18.23	17.85	18.72	19.24	15.47	16.36	15.98	16.86	17.38
	6H	17.74	18.48	18.27	18.99	19.55	15.99	16.74	16.52	17.25	17.81
	8H	17.85	18.50	18.40	19.05	19.60	16.20	16.86	16.75	17.41	17.96
	12H	17.85	18.40	18.41	18.95	19.52	16.29	16.84	16.85	17.39	17.96
12H	4H	17.35	18.18	17.87	18.67	19.23	15.52	16.34	16.03	16.83	17.39
	6H	17.82	18.47	18.37	19.02	19.57	16.12	16.77	16.67	17.32	17.87
	8H	17.90	18.45	18.46	19.01	19.57	16.31	16.86	16.87	17.42	17.98
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.5					0.3/-0.6				
S = 1.5H		0.4/-0.7					0.6/-0.5				
S = 2.0H		1.2/-1.1					1.2/-0.8				
Standard tables:		BK5					BK3				
Uncorrected UGR		-1.7					-0.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25