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LumCAT:

Luminaire: led washer 12v e - 2.5W

LampCAT: modulo led line 5W/m 30K irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 127.9500

Test No:

Current(A): 0.0410

Number of Lamps: 1

Power (W): 4.6670

Lamp flux(lm): 279.0

PF: 0.8850

Length(mm): 500

Width(mm): 500

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 129.23, Efficiency(%): 46.32% , Luminous Efficacy(lm/W): 27.69

Central intensity(cd): 31.232, Maximum intensity(cd): 54.704

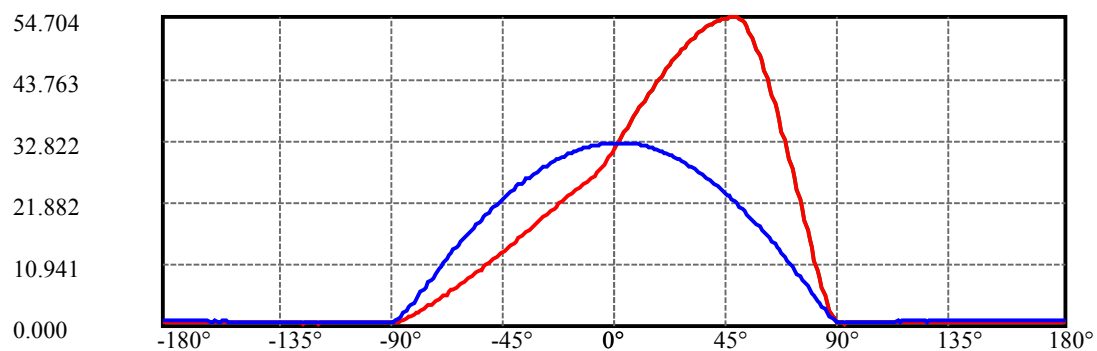
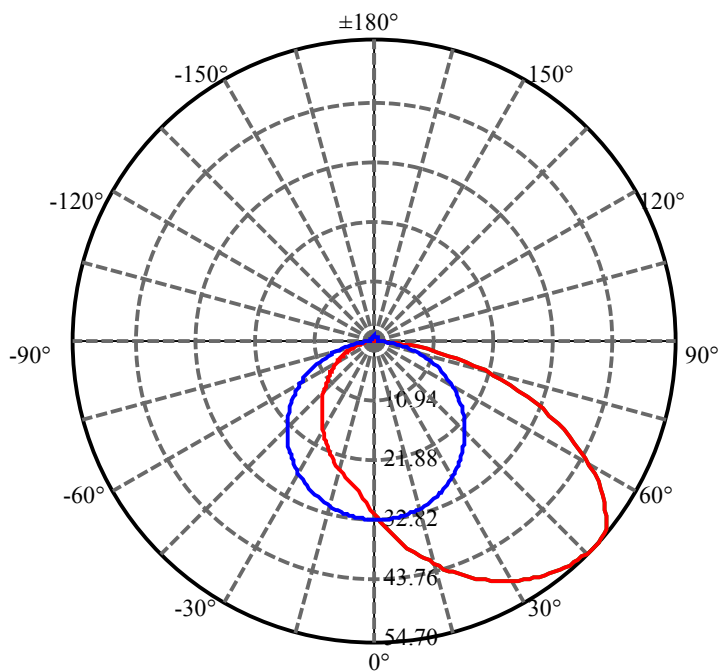
Angle of maximum intensity: C=0.0 γ =49.0

Beam angle of C0 plane : 77.46

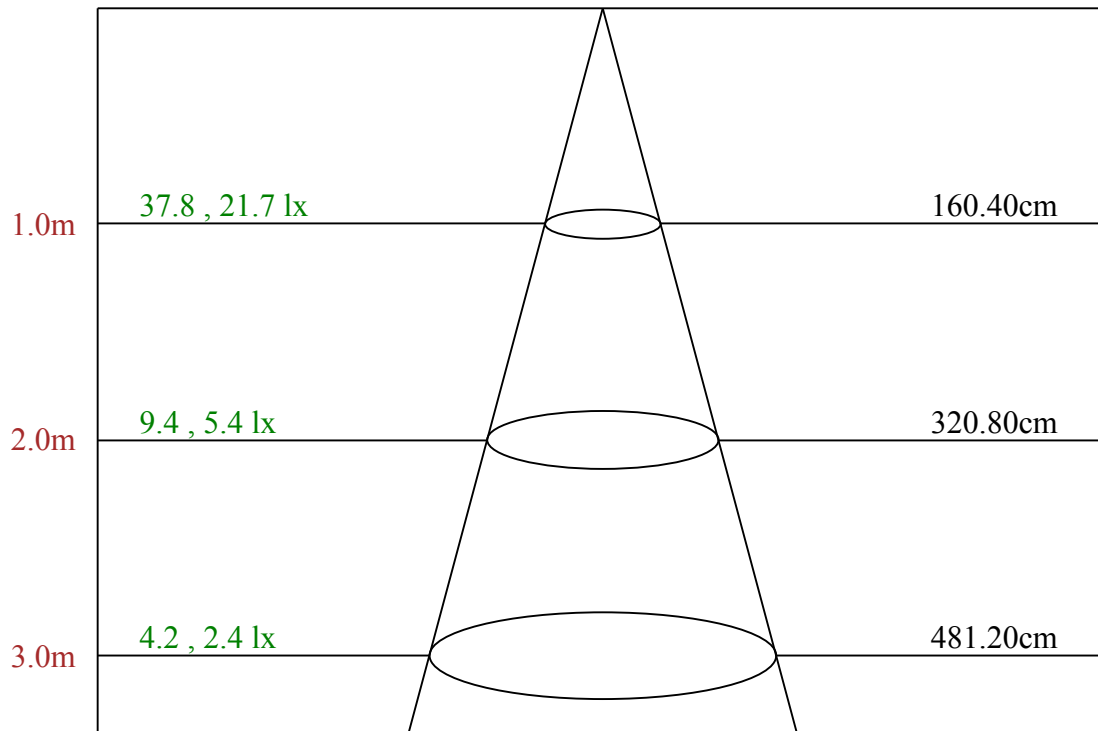
Equipment: equipamento lumini
Temperature(°C): 25.0

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

Operator: 01
Distance(m): 6.90

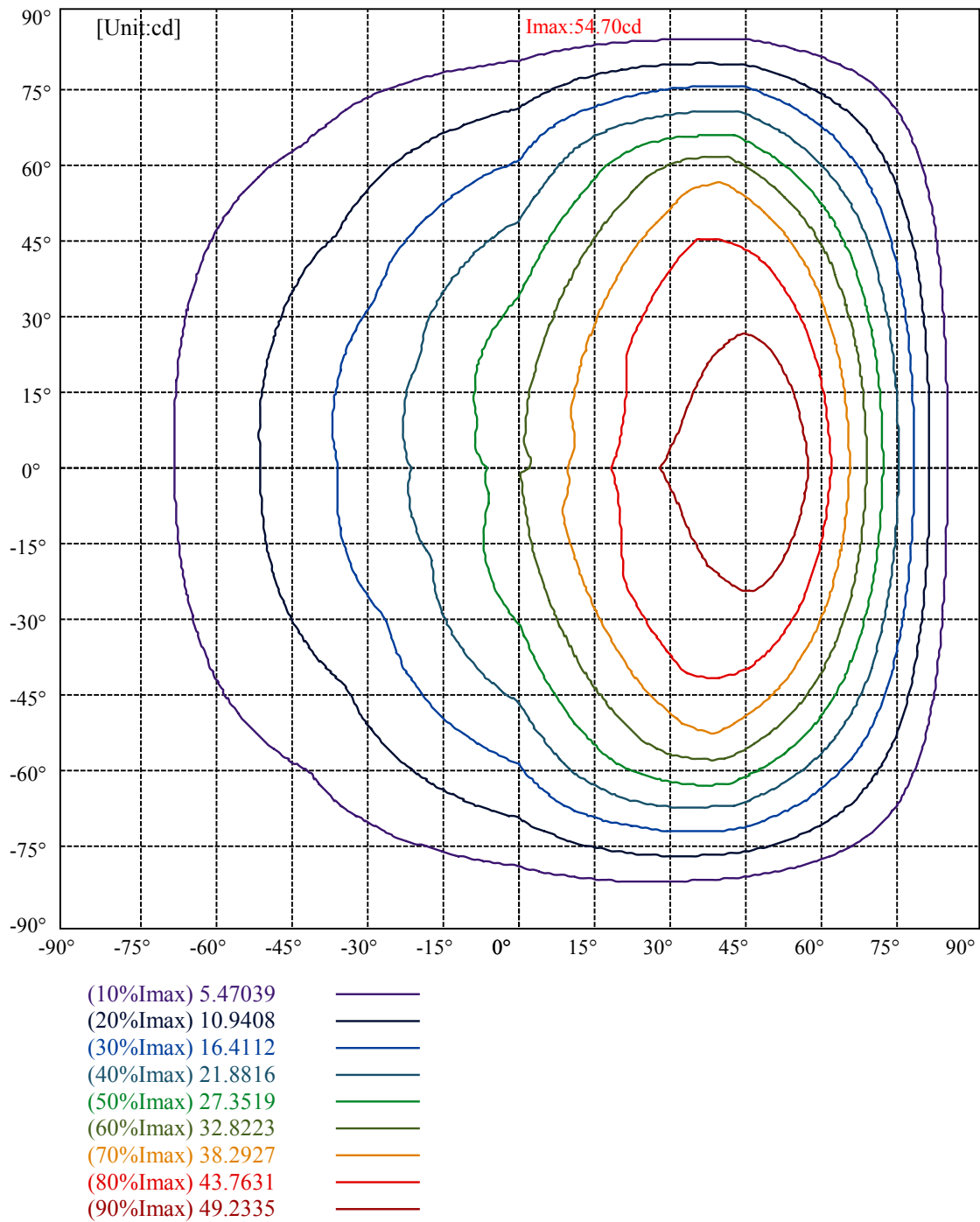


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 77.46



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Luminance Limiting Curve(no luminous side)

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Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	308	339	356	362	359	346	322	270	190
C45	256	279	304	337	357	351	345	334	291
C90	131	132	131	132	132	130	127	123	109

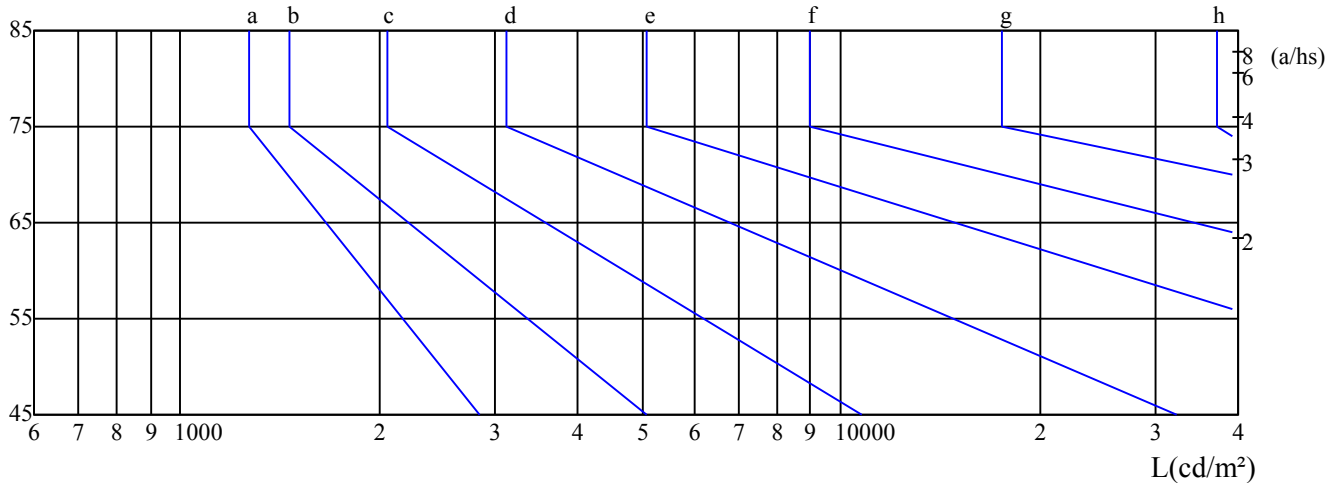
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
209	127	201	186	116	185	115	95	125

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): 25.0

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	10.93	12.59	11.33	12.97	13.36	7.70	9.36	8.10	9.74	10.13
	3H	13.09	14.61	13.52	15.01	15.42	9.36	10.88	9.79	11.28	11.69
	4H	13.86	15.29	14.30	15.70	16.13	9.96	11.39	10.39	11.80	12.23
	6H	14.42	15.75	14.87	16.18	16.64	10.41	11.75	10.86	12.17	12.63
	8H	14.54	15.84	15.00	16.27	16.73	10.52	11.82	10.98	12.25	12.71
	12H	14.59	15.84	15.05	16.28	16.75	10.58	11.83	11.04	12.27	12.74
4H	2H	11.75	13.19	12.19	13.60	14.03	9.64	11.07	10.08	11.48	11.91
	3H	14.07	15.30	14.53	15.74	16.22	11.44	12.68	11.90	13.12	13.59
	4H	15.03	16.13	15.51	16.59	17.10	12.21	13.31	12.68	13.77	14.28
	6H	15.68	16.66	16.18	17.15	17.66	12.71	13.70	13.22	14.19	14.70
	8H	15.88	16.80	16.39	17.30	17.82	12.88	13.80	13.39	14.29	14.82
	12H	15.99	16.85	16.51	17.34	17.90	12.98	13.84	13.50	14.33	14.89
8H	4H	15.38	16.30	15.89	16.80	17.32	13.07	13.99	13.59	14.49	15.01
	6H	16.20	16.97	16.73	17.48	18.04	13.80	14.57	14.33	15.09	15.65
	8H	16.53	17.21	17.08	17.76	18.31	14.11	14.79	14.66	15.34	15.89
	12H	16.71	17.28	17.27	17.84	18.41	14.28	14.86	14.84	15.41	15.98
12H	4H	15.41	16.27	15.93	16.76	17.32	13.19	14.05	13.71	14.54	15.10
	6H	16.33	17.01	16.88	17.56	18.11	14.07	14.75	14.62	15.30	15.85
	8H	16.67	17.24	17.23	17.80	18.37	14.41	14.98	14.97	15.54	16.11
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.6					0.2/-0.8				
S = 1.5H		0.3/-0.6					0.6/-0.5				
S = 2.0H		0.9/-1.0					0.9/-0.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-2.2					0.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25