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LumCAT:

Luminaire: led 4x2

LampCAT: modulo led 1W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.9800

Test No:

Current(A): 0.0000

Number of Lamps: 1

Power (W): 0.0000

Lamp flux(lm): 165.0

PF: 1.0000

Length(mm): 39

Width(mm): 39

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 34.50, Efficiency(%): 20.91% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 0.143, Maximum intensity(cd): 17.330

Angle of maximum intensity: C=90.0 γ =42.0

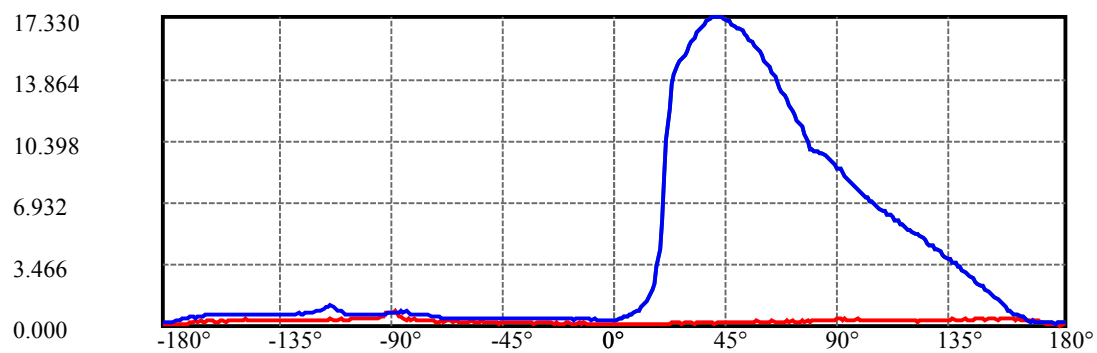
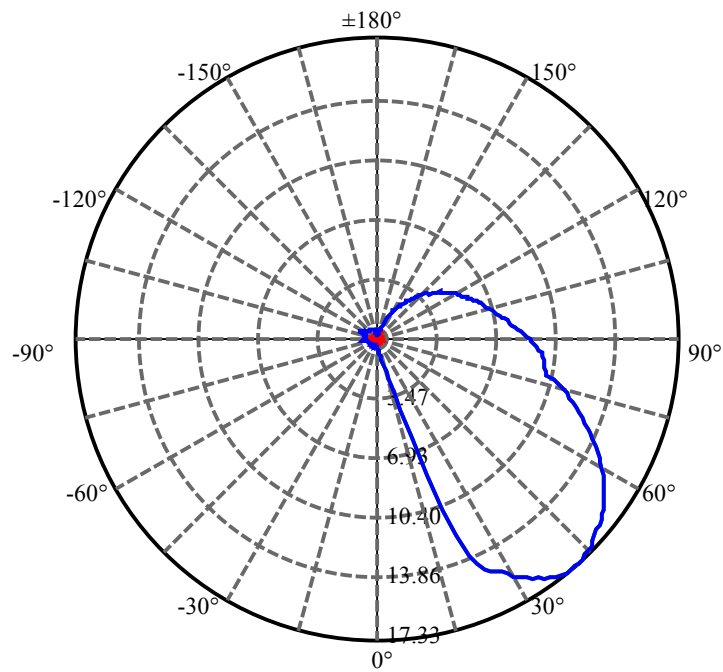
Beam angle of C90 plane : 160.44

Average BeamAngle(IEC 61341): 12.17

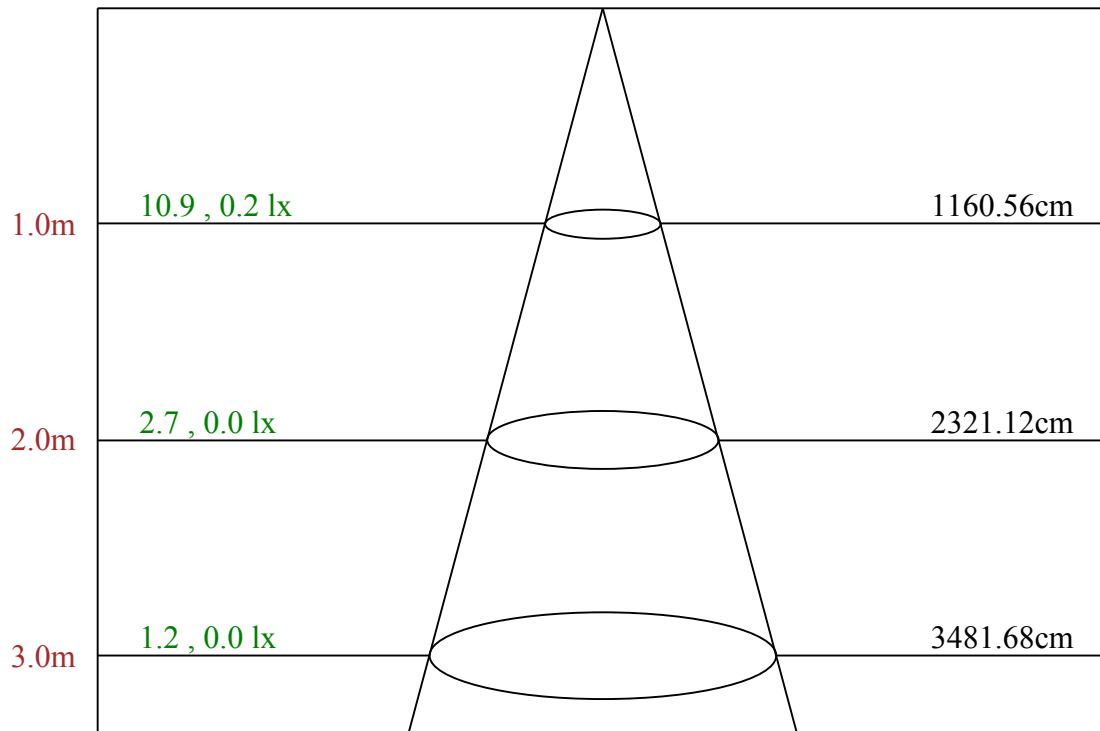
Equipment: equipamento lumini
Temperature(°C): 25.0

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

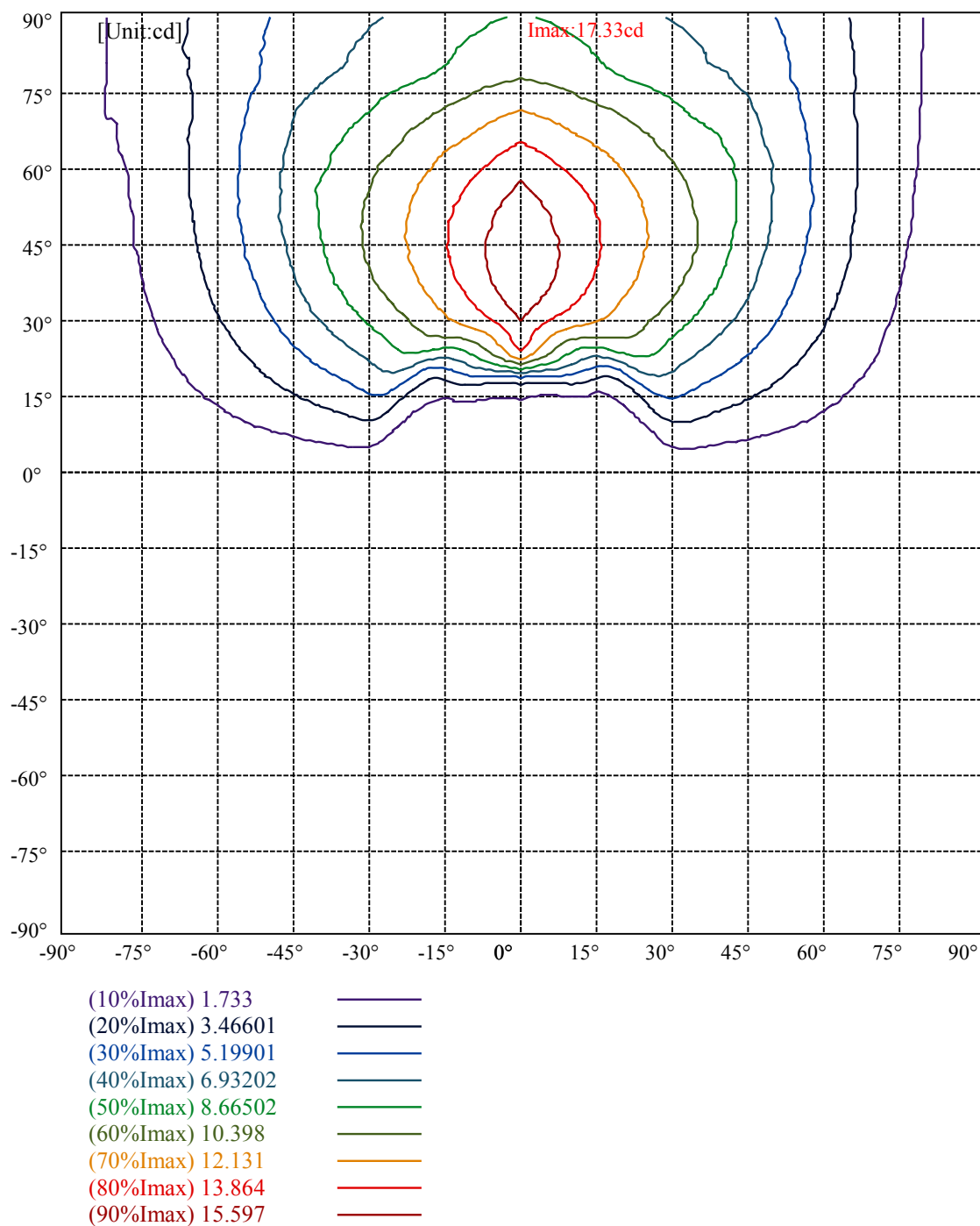
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C90 plane 160.44



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

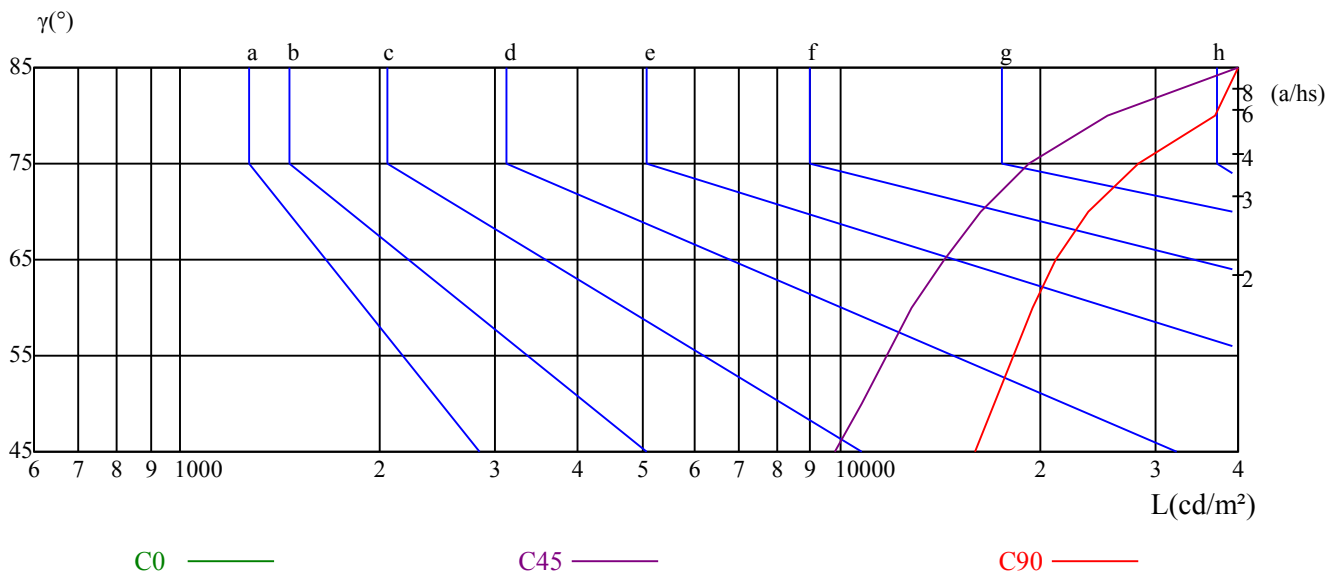
γ	45	50	55	60	65	70	75	80	85
C0	221	243	273	313	370	458	726	1082	2155
C45	9783	10762	11733	12834	14369	16291	19230	25417	46689
C90	15936	17044	18227	19595	21183	23795	28300	36953	71470

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
407	10962	7333	726	14936	10099	3053	38968	25320

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



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	16.70	17.97	17.44	18.76	19.72	23.76	25.03	24.50	25.82	26.79
	3H	18.01	19.18	18.77	19.99	20.97	26.70	27.88	27.46	28.68	29.66
	4H	18.52	19.64	19.29	20.45	21.44	28.17	29.29	28.94	30.10	31.09
	6H	18.97	20.02	19.75	20.84	21.85	29.74	30.79	30.52	31.61	32.62
	8H	19.13	20.15	19.91	20.98	21.99	30.66	31.69	31.45	32.51	33.53
	12H	19.29	20.27	20.07	21.10	22.12	31.77	32.76	32.55	33.58	34.60
4H	2H	20.05	21.16	20.81	21.98	22.97	24.29	25.41	25.06	26.22	27.21
	3H	21.78	22.77	22.57	23.60	24.62	27.46	28.45	28.25	29.27	30.29
	4H	22.61	23.51	23.42	24.35	25.39	29.18	30.08	29.98	30.92	31.96
	6H	23.25	24.07	24.07	24.92	25.96	30.94	31.76	31.76	32.62	33.66
	8H	23.52	24.29	24.35	25.15	26.20	32.03	32.81	32.86	33.67	34.71
	12H	23.77	24.49	24.60	25.34	26.42	33.33	34.05	34.16	34.90	35.98
8H	4H	24.74	25.52	25.57	26.38	27.42	29.51	30.28	30.34	31.14	32.19
	6H	25.91	26.58	26.75	27.44	28.52	31.54	32.21	32.39	33.08	34.15
	8H	26.50	27.10	27.36	27.99	29.06	32.89	33.48	33.74	34.37	35.45
	12H	26.98	27.51	27.84	28.41	29.48	34.42	34.94	35.28	35.85	36.92
12H	4H	25.34	26.06	26.17	26.91	27.99	29.55	30.27	30.38	31.13	32.20
	6H	26.87	27.47	27.73	28.36	29.43	31.72	32.32	32.58	33.21	34.28
	8H	27.66	28.18	28.52	29.08	30.16	33.11	33.63	33.97	34.53	35.61
Variation with the observer position at spacings:											
S = 1.0H		0.2/-1.2					0.2/-0.5				
S = 1.5H		0.3/-1.1					0.3/-0.5				
S = 2.0H		0.1/-1.0					0.5/-0.6				
Standard tables:		BKBF					BK12				
Uncorrected UGR		16.8					11.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25