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lumini

LumCAT:

Luminaire: split ww

LampCAT: modulo led 2.5Wm 30K irc 90 12V

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 219.0000

Test No:

Current(A): 0.0290

Number of Lamps: 1

Power (W): 4.7500

Lamp flux(lm): 260.0

PF: 0.9100

Length(mm): 500

Width(mm): 30

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 50.09, Efficiency(%): 19.27% , Luminous Efficacy(lm/W): 10.55

Central intensity(cd): 20.091, Maximum intensity(cd): 21.425

Angle of maximum intensity: C=270.0 γ =18.0

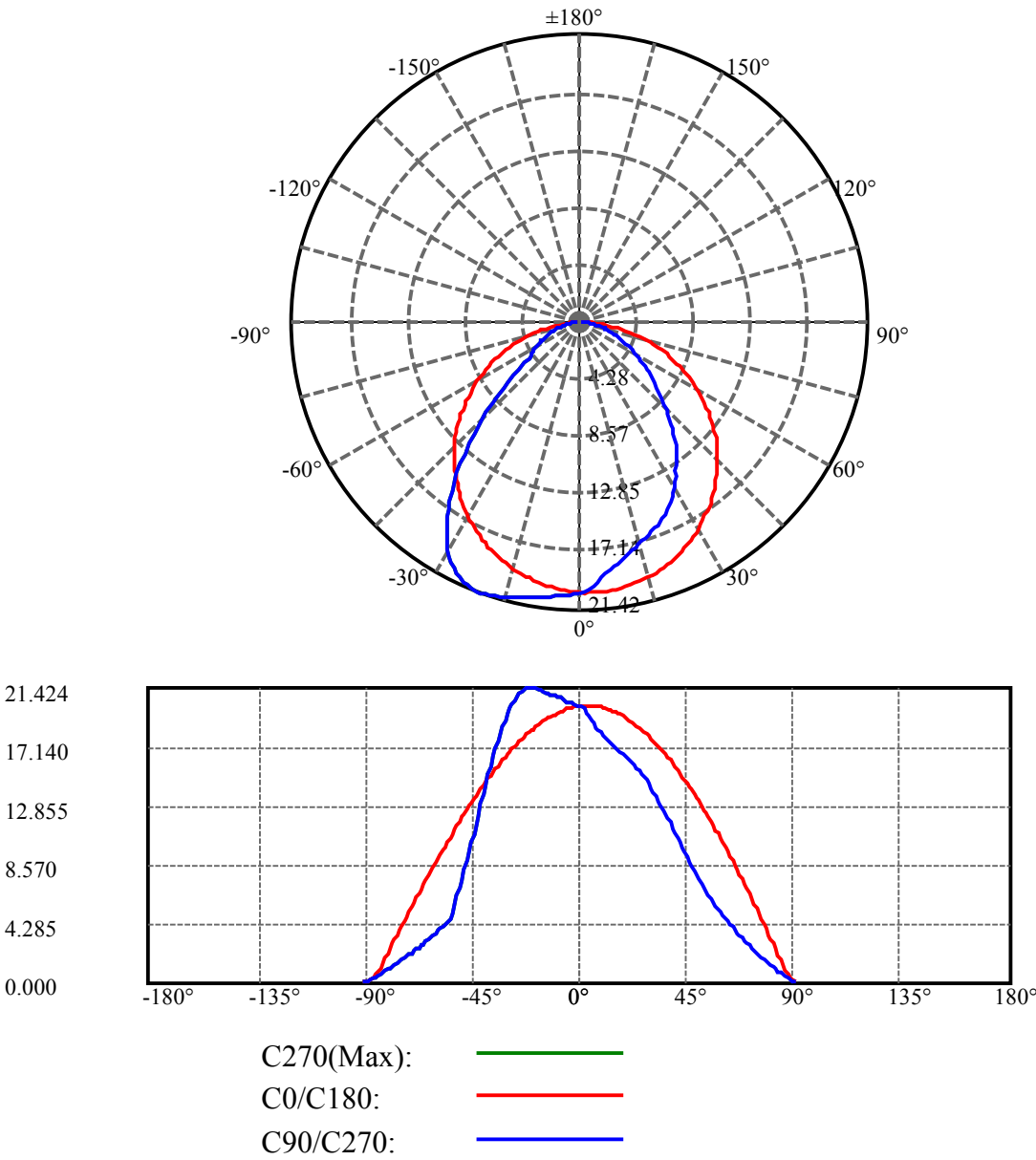
Beam angle of C270 plane : 84.67

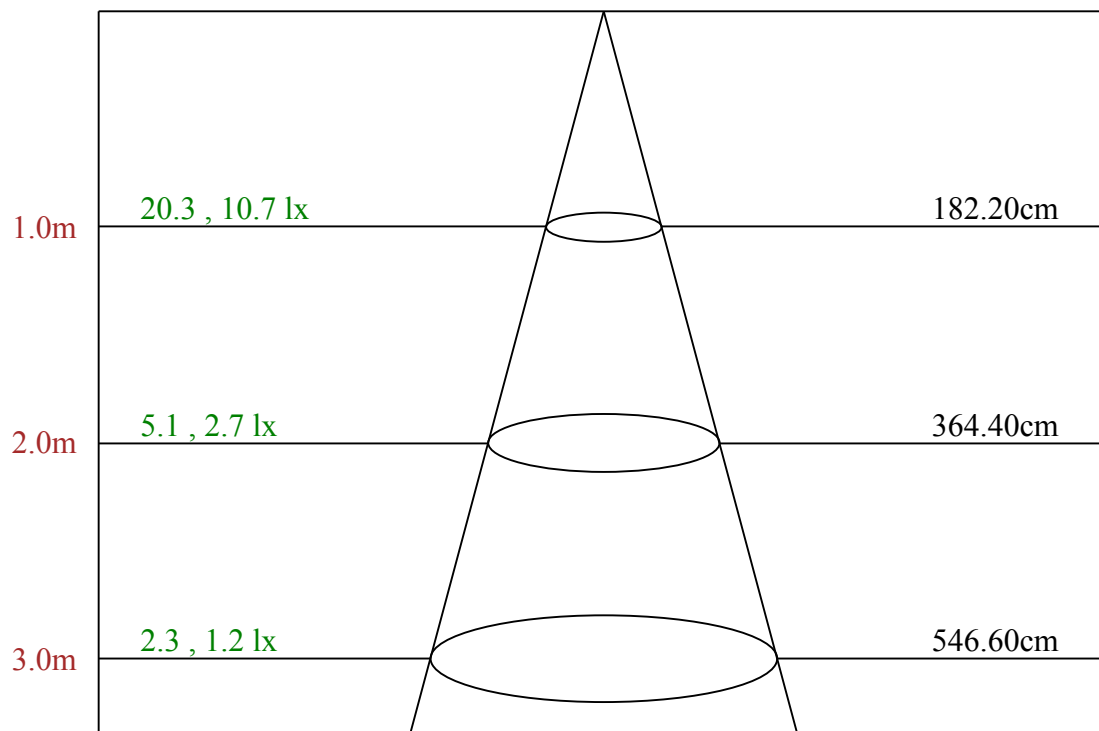
Aveage BeamAngle(IEC 61341):84.67

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 22/10/2024
Humidity(%): 55.0%

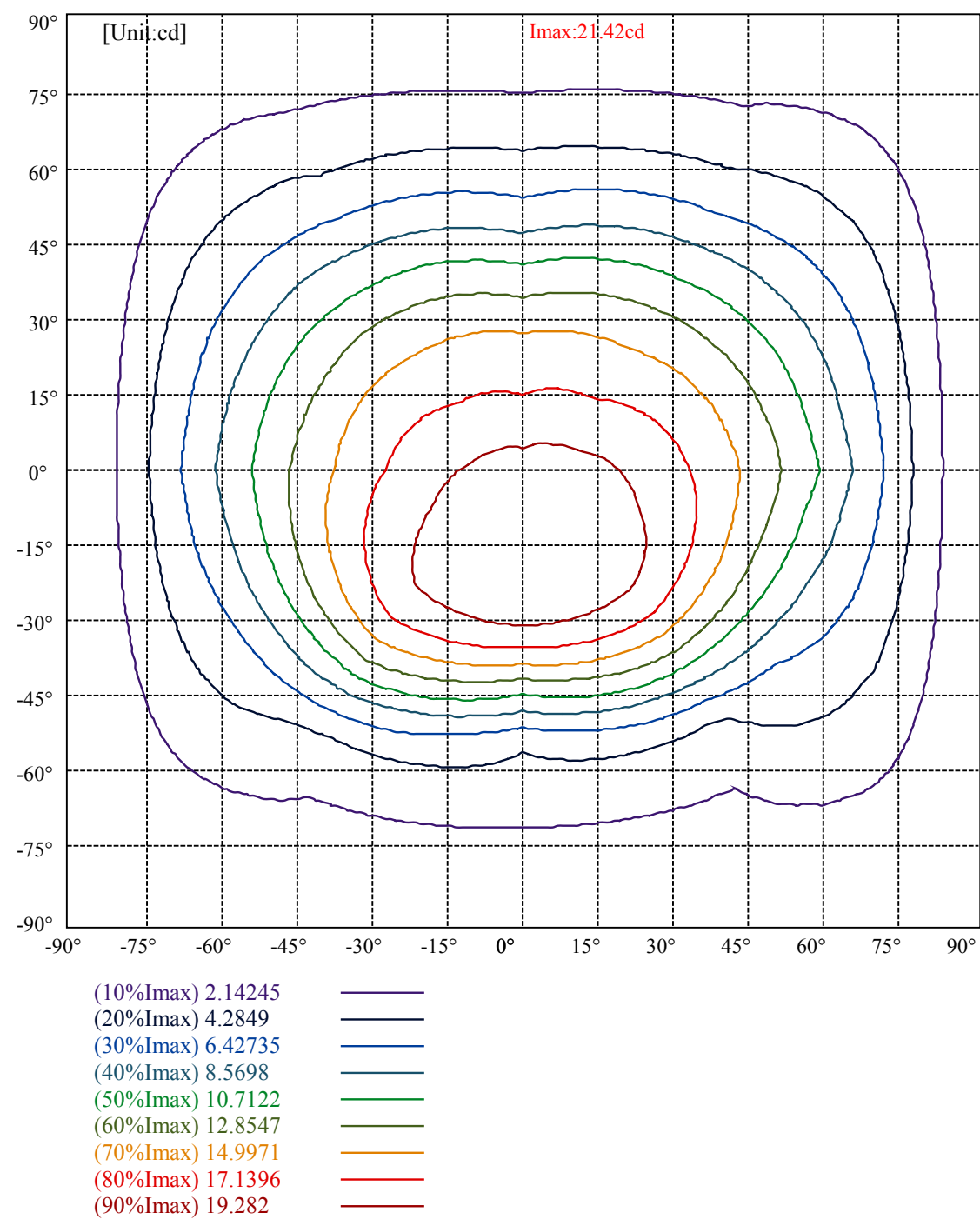
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C270 plane 84.67



Luminance Table

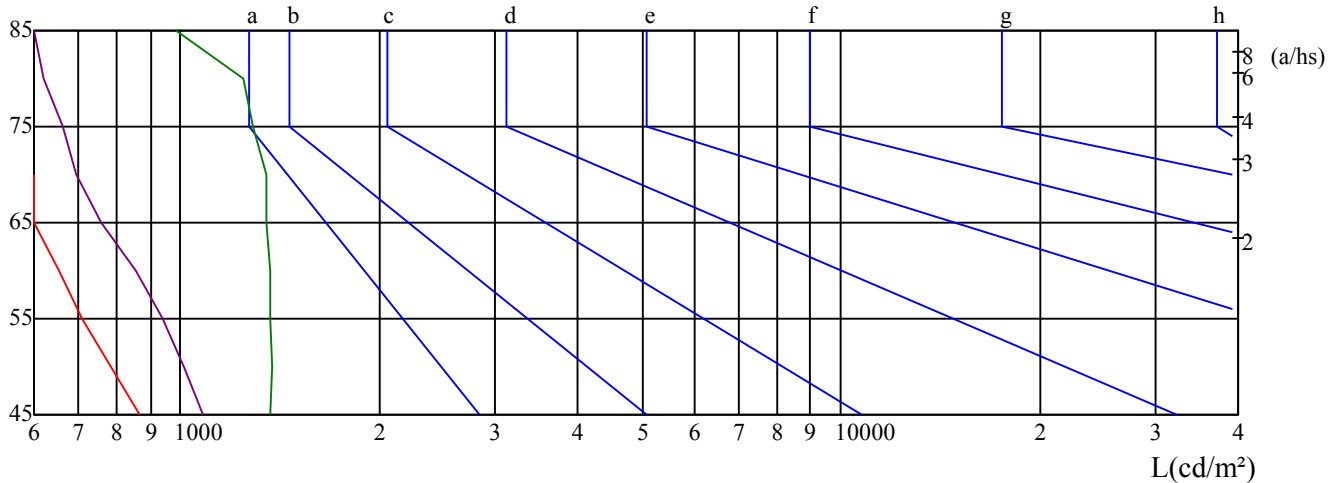
γ	45	50	55	60	65	70	75	80	85
C0	1369	1378	1367	1365	1352	1346	1288	1243	983
C45	1082	1012	941	857	759	696	662	621	583
C90	866	785	708	654	601	575	527	494	473

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1243	526	610	1134	466	521	728	401	419

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 ———

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	13.64	15.20	14.00	15.51	15.83	11.00	12.56	11.36	12.88	13.19
	3H	15.62	17.03	16.00	17.37	17.71	12.23	13.64	12.61	13.97	14.31
	4H	16.44	17.76	16.84	18.11	18.48	12.70	14.02	13.10	14.37	14.74
	6H	17.13	18.36	17.54	18.72	19.11	13.10	14.33	13.51	14.69	15.08
	8H	17.36	18.54	17.77	18.91	19.31	13.21	14.40	13.62	14.77	15.17
	12H	17.49	18.62	17.91	19.01	19.42	13.29	14.42	13.71	14.81	15.22
4H	2H	13.97	15.29	14.36	15.64	16.00	11.84	13.16	12.24	13.52	13.88
	3H	16.10	17.22	16.51	17.60	18.01	13.21	14.33	13.62	14.71	15.12
	4H	17.10	18.09	17.53	18.50	18.94	13.84	14.83	14.27	15.24	15.68
	6H	17.90	18.78	18.36	19.22	19.66	14.30	15.19	14.77	15.63	16.07
	8H	18.22	19.05	18.70	19.49	19.95	14.49	15.31	14.96	15.76	16.22
	12H	18.44	19.21	18.92	19.65	20.15	14.63	15.40	15.11	15.84	16.34
8H	4H	17.17	18.00	17.64	18.44	18.90	14.23	15.05	14.70	15.50	15.96
	6H	18.09	18.78	18.58	19.24	19.74	14.82	15.51	15.31	15.98	16.48
	8H	18.54	19.15	19.06	19.65	20.14	15.13	15.73	15.64	16.24	16.73
	12H	18.85	19.35	19.37	19.86	20.37	15.35	15.85	15.87	16.36	16.87
12H	4H	17.17	17.93	17.64	18.37	18.87	14.31	15.07	14.79	15.51	16.02
	6H	18.14	18.74	18.65	19.25	19.74	14.99	15.59	15.50	16.10	16.59
	8H	18.58	19.09	19.11	19.60	20.11	15.30	15.81	15.82	16.31	16.82
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.2/-0.7				
S = 1.5H		0.6/-1.0					0.6/-0.5				
S = 2.0H		1.1/-1.2					0.9/-0.6				
Standard tables:		BK4					BKBF				
Uncorrected UGR		-3.0					3.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25