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lumini

LumCAT:

Luminaire: solum 12V fc

LampCAT: modulo led 19W 12Vdc 27K irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 123.0000

Test No:

Current(A): 0.1950

Number of Lamps: 1

Power (W): 23.9850

Lamp flux(lm): 1440.0

PF: 0.0000

Length(mm): 124

Width(mm): 124

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1048.41, Efficiency(%): 72.81% , Luminous Efficacy(lm/W): 43.71

Central intensity(cd): 3221.995, Maximum intensity(cd): 3287.614

Angle of maximum intensity: C=0.0 γ =2.0

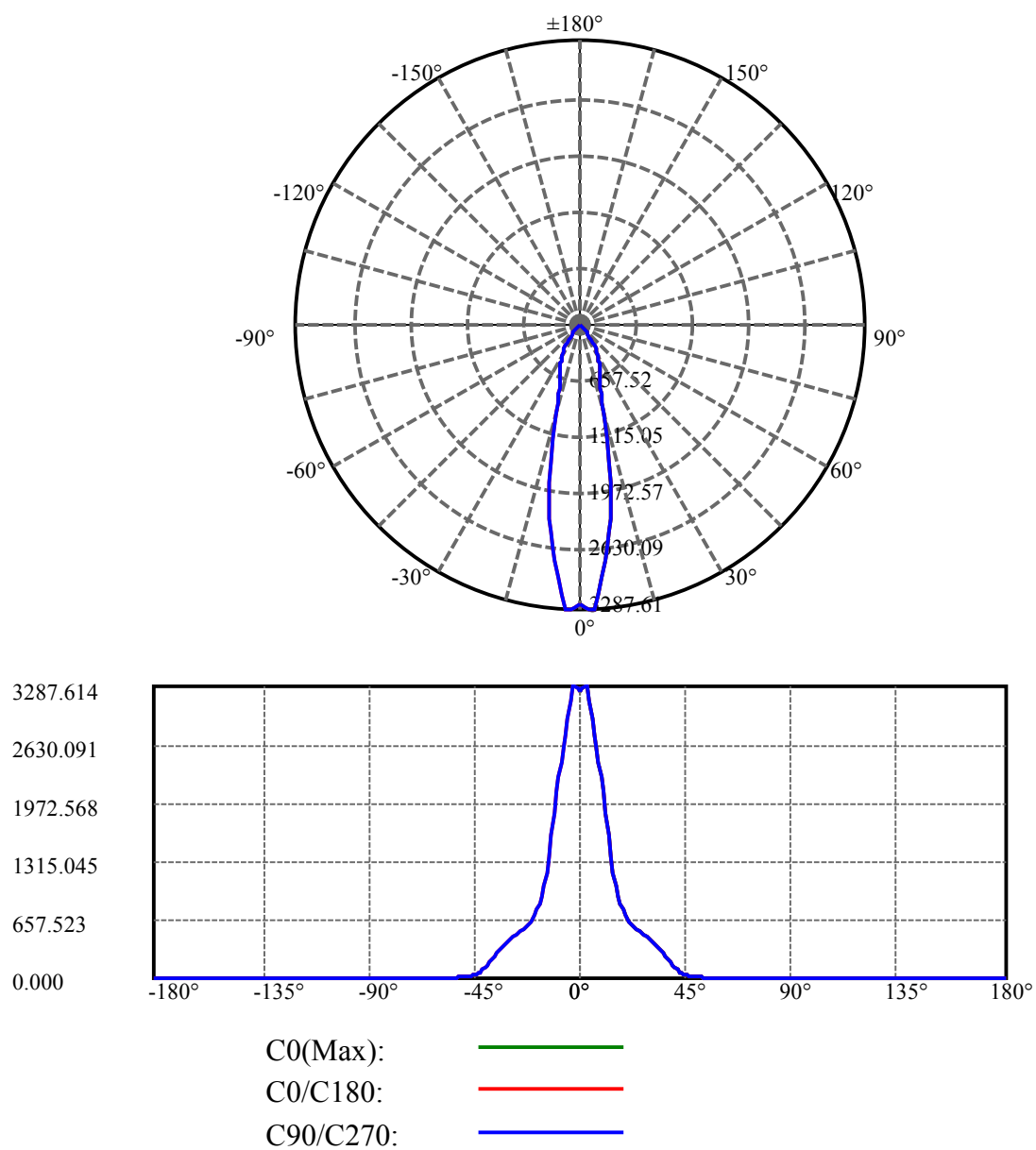
Beam angle of C0 plane : 23.79

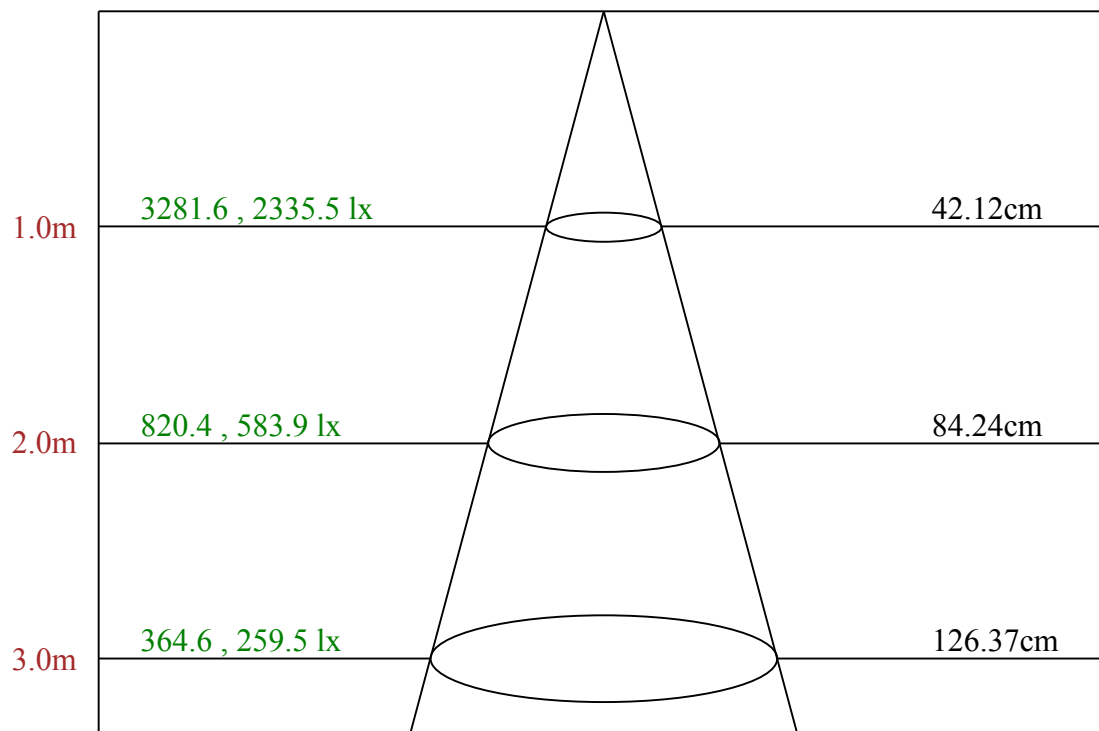
Aveage BeamAngle(IEC 61341):23.79

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 31/01/2025
Humidity(%): 78.0%

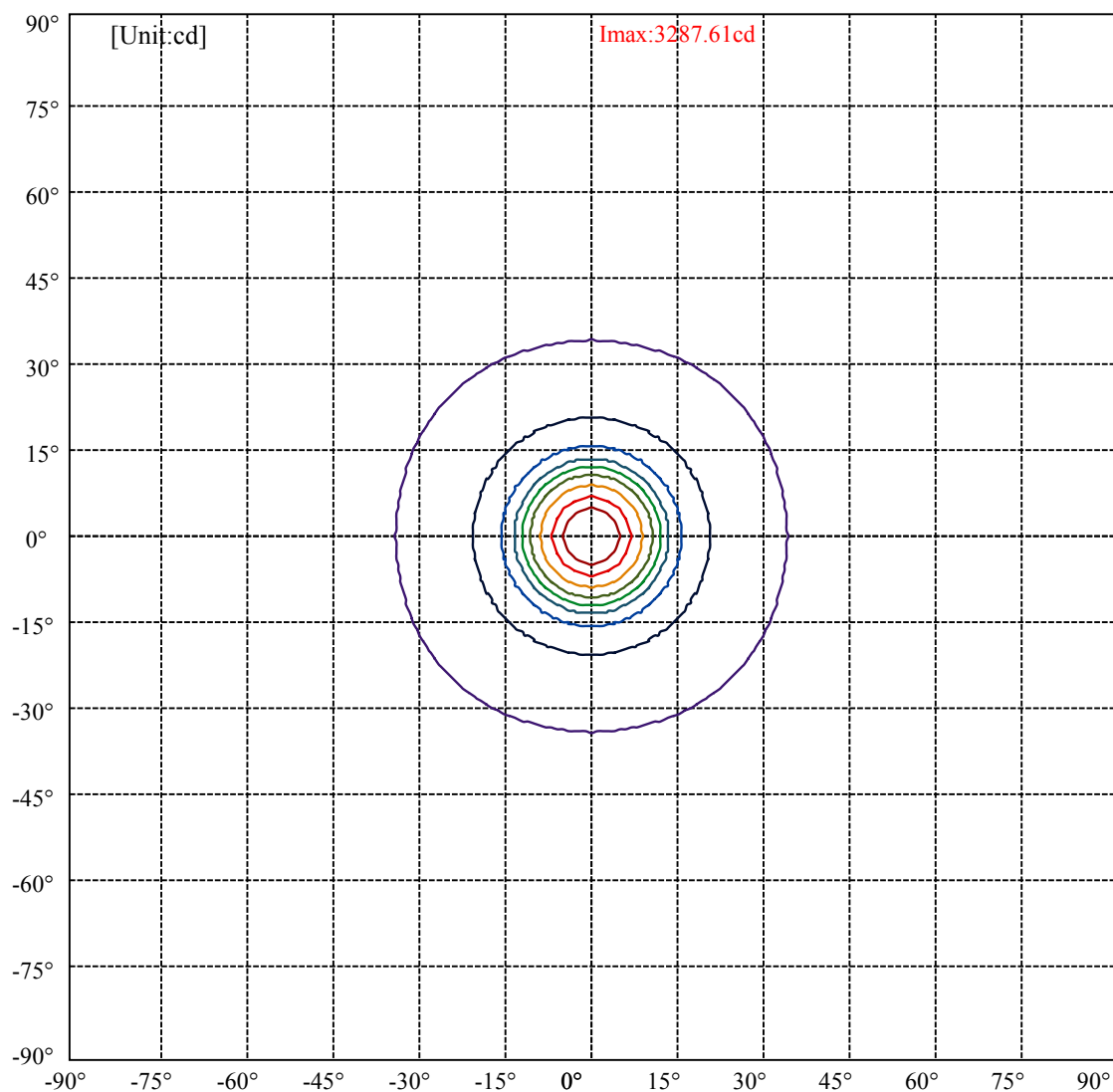
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 23.79



(10%Imax) 328.761	—
(20%Imax) 657.523	—
(30%Imax) 986.284	—
(40%Imax) 1315.05	—
(50%Imax) 1643.81	—
(60%Imax) 1972.57	—
(70%Imax) 2301.33	—
(80%Imax) 2630.09	—
(90%Imax) 2958.85	—

Luminance Table

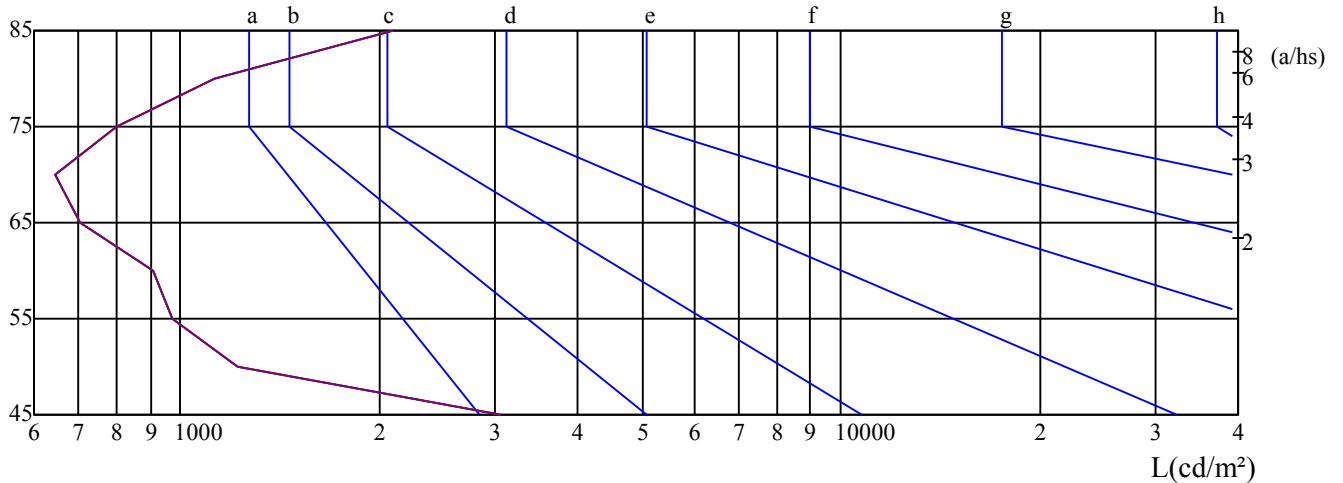
γ	45	50	55	60	65	70	75	80	85
C0	3048	1224	972	911	703	644	799	1123	2096
C45	3048	1224	972	911	703	644	799	1123	2096
C90	3048	1224	972	911	703	644	799	1123	2096

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
703	703	703	799	799	799	2096	2096	2096

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	15.38	16.31	15.78	16.66	17.03	15.19	16.12	15.59	16.47	16.83
	3H	15.20	16.03	15.63	16.41	16.80	15.01	15.84	15.43	16.21	16.61
	4H	15.12	15.88	15.56	16.28	16.70	14.93	15.69	15.37	16.09	16.50
	6H	15.08	15.78	15.53	16.19	16.64	14.89	15.59	15.34	16.00	16.45
	8H	15.04	15.71	15.50	16.13	16.59	14.86	15.52	15.31	15.95	16.40
	12H	15.03	15.66	15.50	16.10	16.56	14.85	15.48	15.31	15.91	16.38
4H	2H	15.08	15.85	15.52	16.24	16.66	14.89	15.65	15.33	16.05	16.46
	3H	14.88	15.52	15.34	15.95	16.42	14.69	15.33	15.15	15.77	16.23
	4H	14.85	15.40	15.32	15.86	16.35	14.66	15.21	15.13	15.67	16.17
	6H	14.79	15.28	15.30	15.77	16.26	14.60	15.09	15.11	15.58	16.08
	8H	14.80	15.26	15.32	15.75	16.27	14.62	15.07	15.14	15.57	16.09
	12H	14.87	15.28	15.39	15.77	16.34	14.69	15.11	15.22	15.60	16.16
8H	4H	14.67	15.12	15.19	15.62	16.13	14.48	14.93	15.00	15.43	15.95
	6H	14.64	15.01	15.18	15.53	16.08	14.46	14.83	15.00	15.34	15.90
	8H	14.75	15.06	15.31	15.61	16.15	14.57	14.88	15.14	15.44	15.98
	12H	14.89	15.13	15.47	15.68	16.24	14.72	14.96	15.30	15.51	16.08
12H	4H	14.63	15.04	15.15	15.53	16.09	14.44	14.86	14.96	15.34	15.91
	6H	14.65	14.96	15.22	15.52	16.06	14.47	14.78	15.04	15.34	15.88
	8H	14.74	14.98	15.32	15.53	16.10	14.57	14.81	15.15	15.36	15.92
Variation with the observer position at spacings:											
S = 1.0H		5.0/-8.7					5.0/-8.7				
S = 1.5H		7.6/-7.4					7.6/-7.4				
S = 2.0H		9.3/-6.5					9.3/-6.5				
Standard tables:		BK1					BK1				
Uncorrected UGR		-4.9					-4.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25