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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fm

LampCAT: modulo led 3W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0330

Number of Lamps: 1

Power (W): 4.1000

Lamp flux(lm): 395.0

PF: 0.9600

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 333.03, Efficiency(%): 84.31% , Luminous Efficacy(lm/W): 81.23

Central intensity(cd): 1089.983, Maximum intensity(cd): 1089.983

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

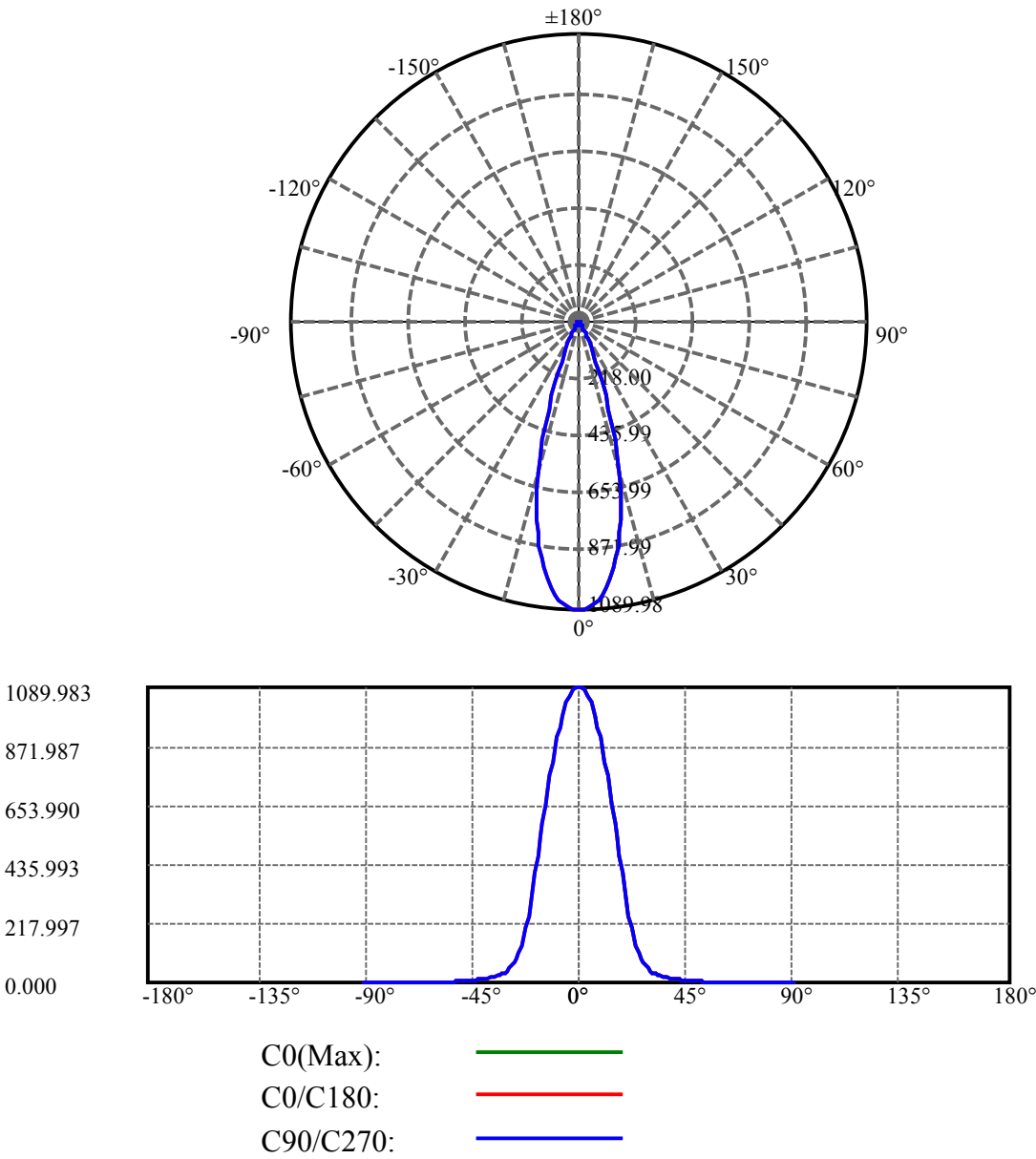
Beam angle of C0 plane : 31.56

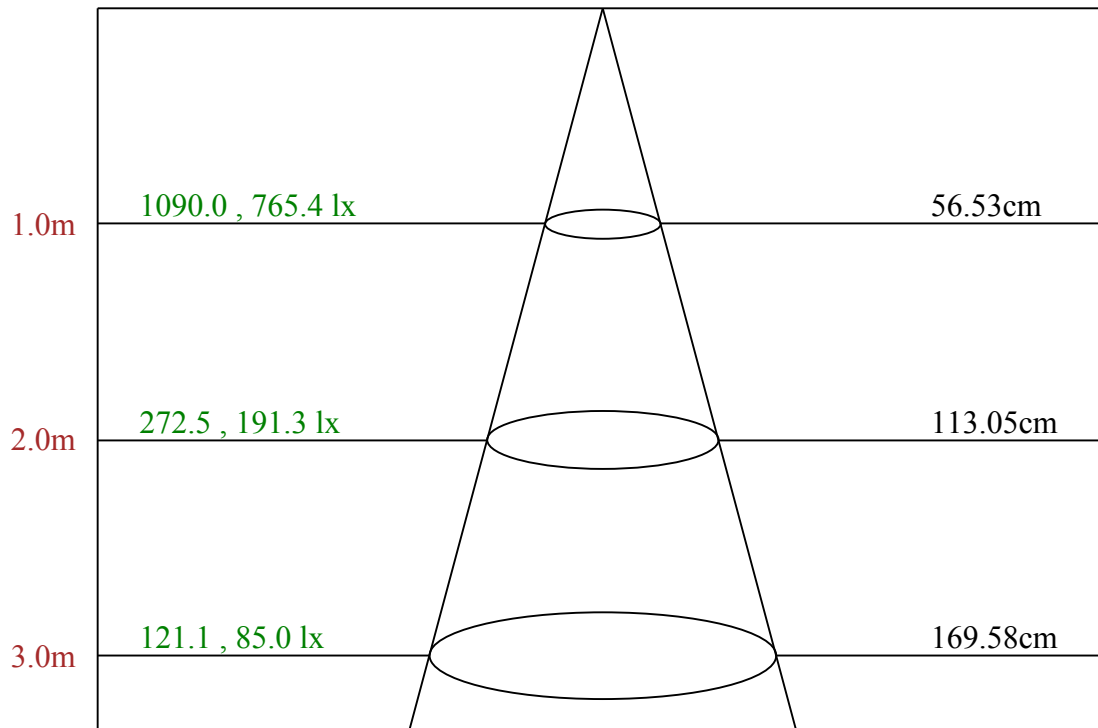
Average BeamAngle(IEC 61341): 31.56

Equipment: equipamento lumini
Temperature(°C): 25.5

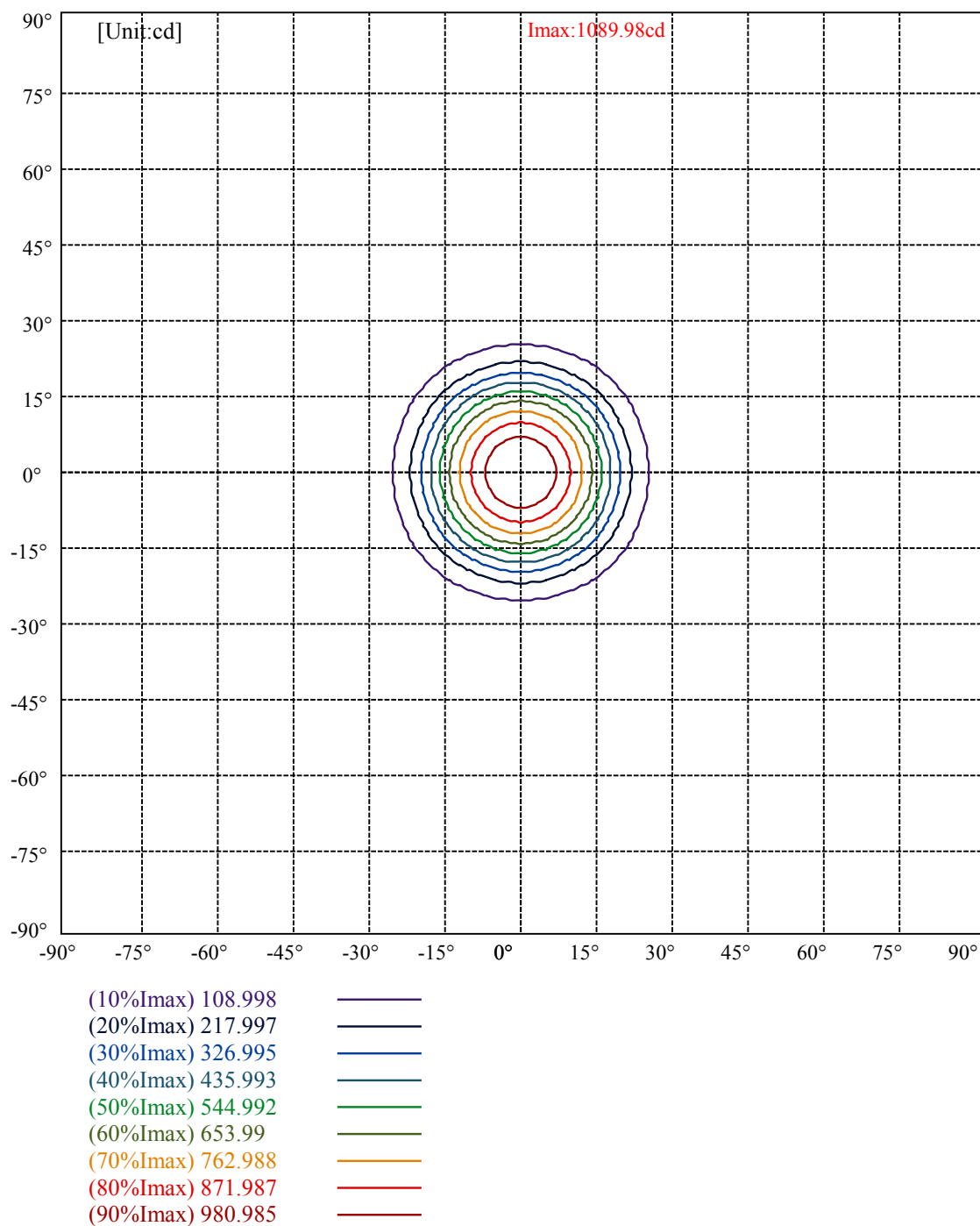
Date: 7/24/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 31.56



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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	5252	3296	1992	1476	1465	1601	1931	2879	5736
C45	5252	3296	1992	1476	1465	1601	1931	2879	5736
C90	5252	3296	1992	1476	1465	1601	1931	2879	5736

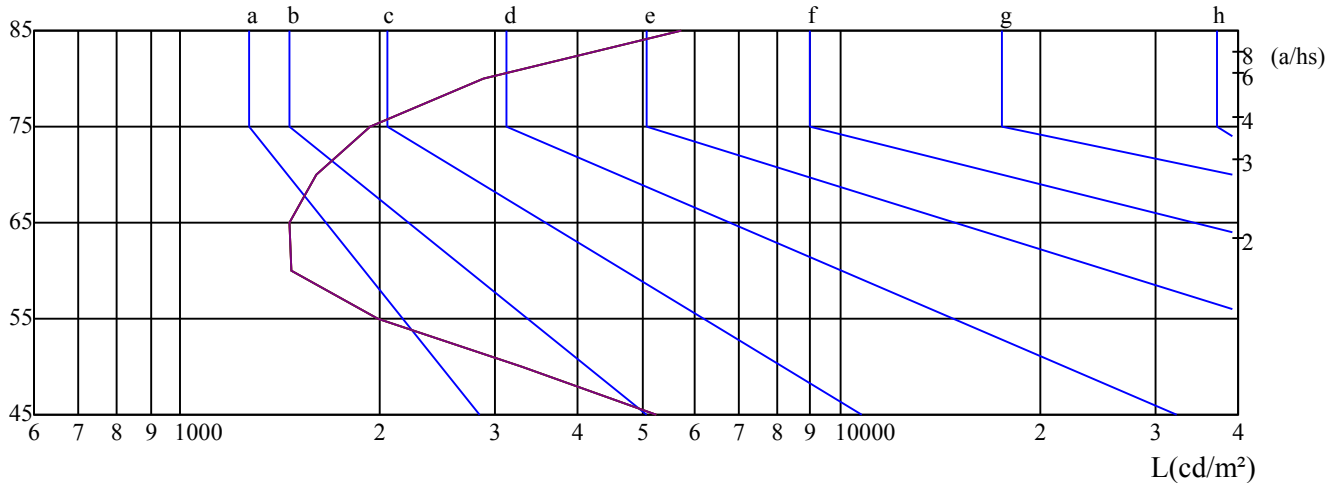
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1465	1465	1465	1931	1931	1931	5736	5736	5736

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	9.04	9.97	9.40	10.28	10.59	9.04	9.97	9.40	10.28	10.59
	3H	9.25	10.08	9.64	10.41	10.76	9.25	10.08	9.64	10.41	10.76
	4H	9.51	10.28	9.92	10.63	11.00	9.51	10.28	9.92	10.63	11.00
	6H	10.04	10.74	10.46	11.12	11.52	10.04	10.74	10.46	11.12	11.52
	8H	10.45	11.11	10.87	11.50	11.91	10.45	11.11	10.87	11.50	11.91
	12H	11.05	11.68	11.48	12.07	12.49	11.05	11.68	11.48	12.07	12.49
4H	2H	8.89	9.66	9.30	10.01	10.38	8.89	9.66	9.30	10.01	10.38
	3H	9.25	9.89	9.68	10.29	10.71	9.25	9.89	9.68	10.29	10.71
	4H	9.73	10.29	10.17	10.71	11.16	9.73	10.29	10.17	10.71	11.16
	6H	10.51	11.00	10.98	11.45	11.90	10.51	11.00	10.98	11.45	11.90
	8H	11.14	11.59	11.63	12.05	12.52	11.14	11.59	11.63	12.05	12.52
	12H	12.00	12.42	12.49	12.87	13.39	12.00	12.42	12.49	12.87	13.39
8H	4H	9.87	10.32	10.35	10.78	11.25	9.87	10.32	10.35	10.78	11.25
	6H	10.93	11.30	11.44	11.78	12.29	10.93	11.30	11.44	11.78	12.29
	8H	11.84	12.14	12.37	12.67	13.17	11.84	12.14	12.37	12.67	13.17
	12H	12.99	13.22	13.54	13.74	14.27	12.99	13.22	13.54	13.74	14.27
12H	4H	9.92	10.34	10.41	10.79	11.31	9.92	10.34	10.41	10.79	11.31
	6H	11.15	11.45	11.68	11.98	12.47	11.15	11.45	11.68	11.98	12.47
	8H	12.13	12.36	12.67	12.88	13.41	12.13	12.36	12.67	12.88	13.41
Variation with the observer position at spacings:											
S = 1.0H		2.9/-2.9					2.9/-2.9				
S = 1.5H		4.1/-2.4					4.1/-2.4				
S = 2.0H		4.9/-2.0					4.9/-2.0				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.3					-6.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25