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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fa

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: 0.9700

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 281.82, Efficiency(%): 71.35% , Luminous Efficacy(lm/W): 68.74

Central intensity(cd): 484.575, Maximum intensity(cd): 484.575

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

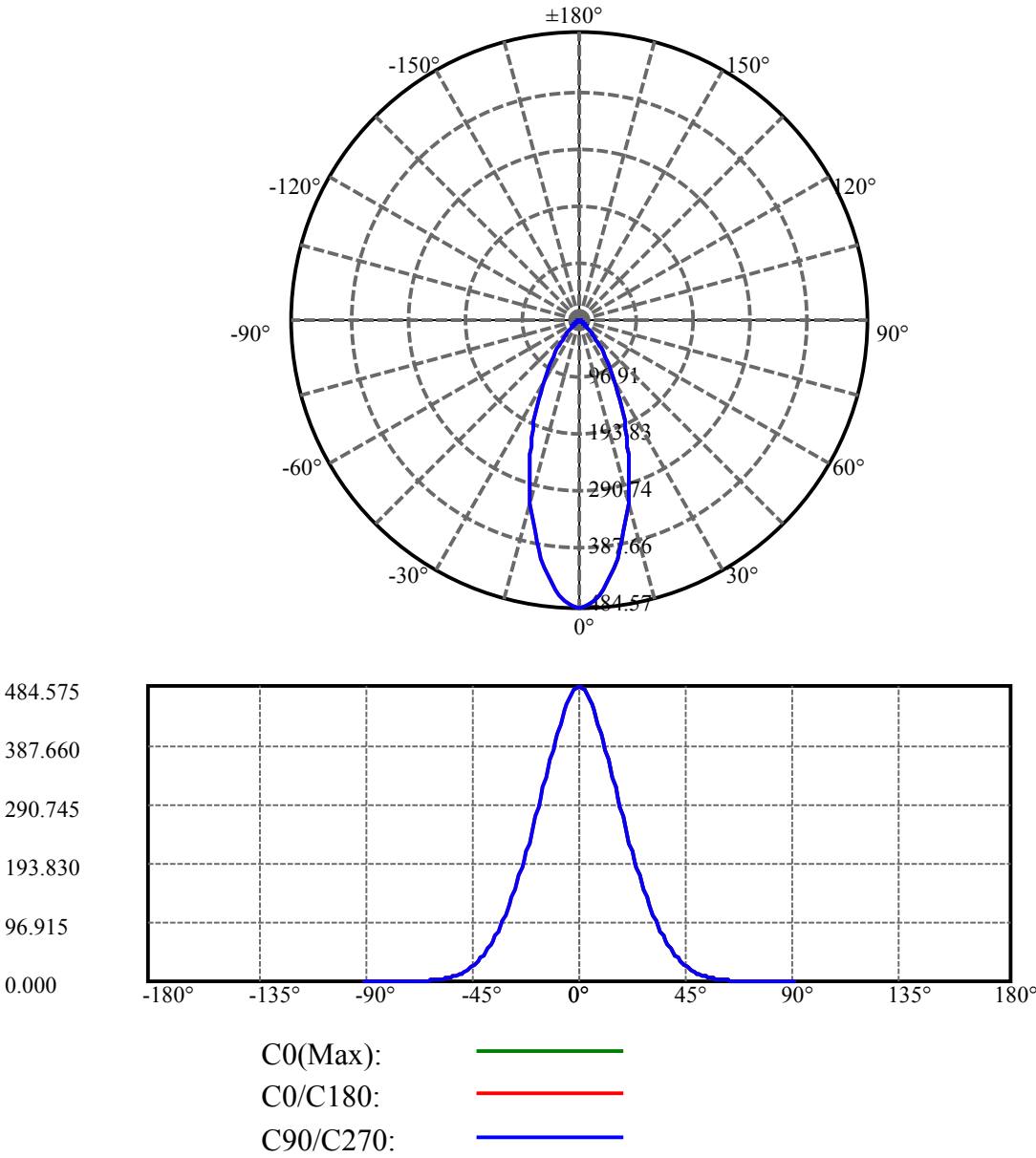
Beam angle of C0 plane : 39.79

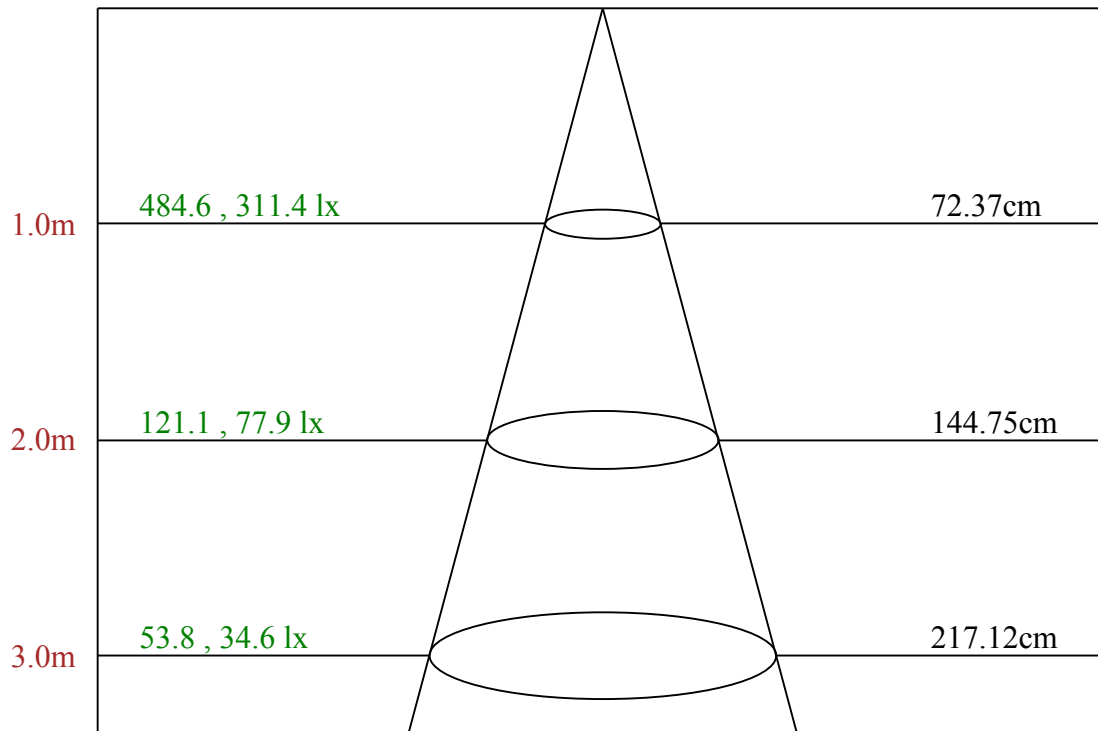
Aveage BeamAngle(IEC 61341):39.79

Equipment: equipamento lumini
Temperature(°C): 25.5

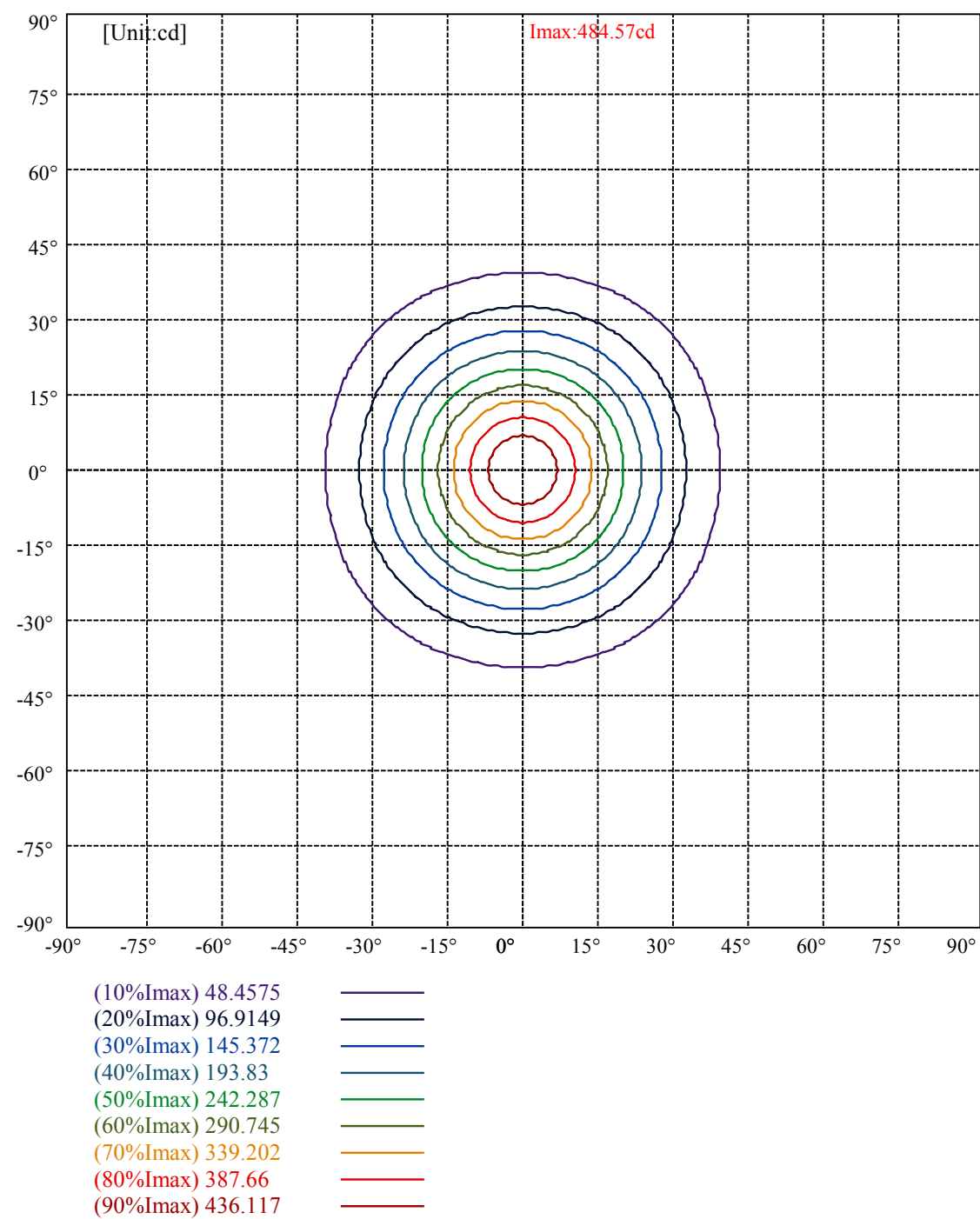
Date: 7/24/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 39.79



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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	16193	8962	4980	2523	1296	1044	1288	1919	3824
C45	16193	8962	4980	2523	1296	1044	1288	1919	3824
C90	16193	8962	4980	2523	1296	1044	1288	1919	3824

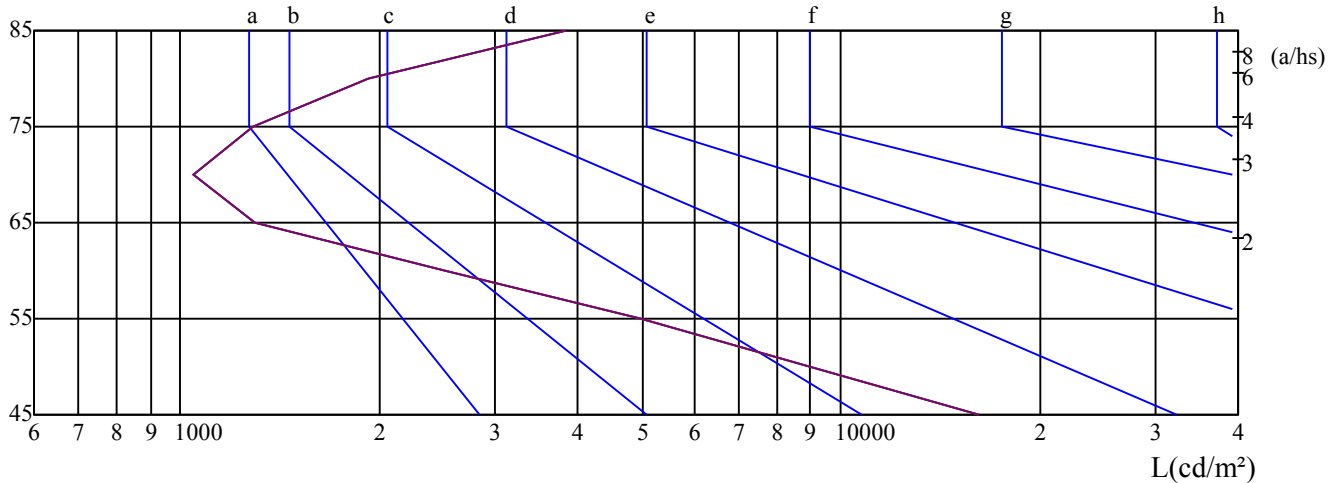
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1296	1296	1296	1288	1288	1288	3824	3824	3824

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($^{\circ}\text{C}$): 25.5

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

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	17.29	18.30	17.65	18.61	18.92	17.29	18.30	17.65	18.61	18.92
	3H	17.11	18.00	17.50	18.34	18.69	17.11	18.00	17.50	18.34	18.69
	4H	17.03	17.85	17.43	18.21	18.57	17.03	17.85	17.43	18.21	18.57
	6H	16.98	17.73	17.40	18.11	18.51	16.98	17.73	17.40	18.11	18.51
	8H	16.94	17.66	17.36	18.04	18.45	16.94	17.66	17.36	18.04	18.45
	12H	16.93	17.61	17.35	18.00	18.42	16.93	17.61	17.35	18.00	18.42
4H	2H	17.02	17.85	17.42	18.20	18.57	17.02	17.85	17.42	18.20	18.57
	3H	16.82	17.51	17.24	17.90	18.32	16.82	17.51	17.24	17.90	18.32
	4H	16.78	17.37	17.21	17.79	18.24	16.78	17.37	17.21	17.79	18.24
	6H	16.70	17.23	17.18	17.68	18.13	16.70	17.23	17.18	17.68	18.13
	8H	16.71	17.19	17.19	17.65	18.13	16.71	17.19	17.19	17.65	18.13
	12H	16.76	17.21	17.25	17.66	18.18	16.76	17.21	17.25	17.66	18.18
8H	4H	16.60	17.08	17.08	17.54	18.01	16.60	17.08	17.08	17.54	18.01
	6H	16.54	16.94	17.05	17.42	17.93	16.54	16.94	17.05	17.42	17.93
	8H	16.63	16.97	17.17	17.49	17.99	16.63	16.97	17.17	17.49	17.99
	12H	16.76	17.02	17.30	17.54	18.06	16.76	17.02	17.30	17.54	18.06
12H	4H	16.55	17.00	17.04	17.45	17.97	16.55	17.00	17.04	17.45	17.97
	6H	16.55	16.89	17.08	17.41	17.91	16.55	16.89	17.08	17.41	17.91
	8H	16.62	16.89	17.17	17.40	17.93	16.62	16.89	17.17	17.40	17.93
Variation with the observer position at spacings:											
S = 1.0H		3.7/-6.7					3.7/-6.7				
S = 1.5H		6.3/-9.4					6.3/-9.4				
S = 2.0H		8.2/-8.8					8.2/-8.8				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.5					-1.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25