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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fc

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0620

Number of Lamps: 1

Power (W): 7.8000

Lamp flux(lm): 700.0

PF: 0.9900

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 547.19, Efficiency(%): 78.17% , Luminous Efficacy(lm/W): 70.15

Central intensity(cd): 2940.775, Maximum intensity(cd): 2940.775

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

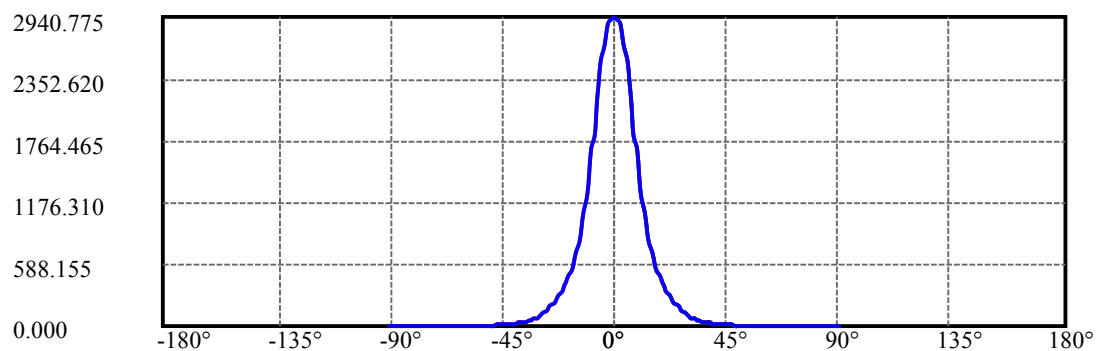
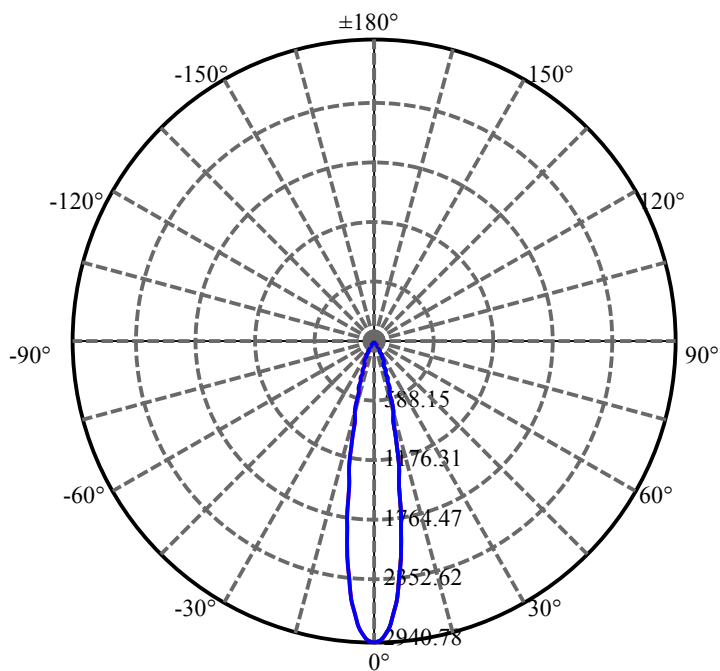
Beam angle of C0 plane : 19.78

Average BeamAngle(IEC 61341): 19.78

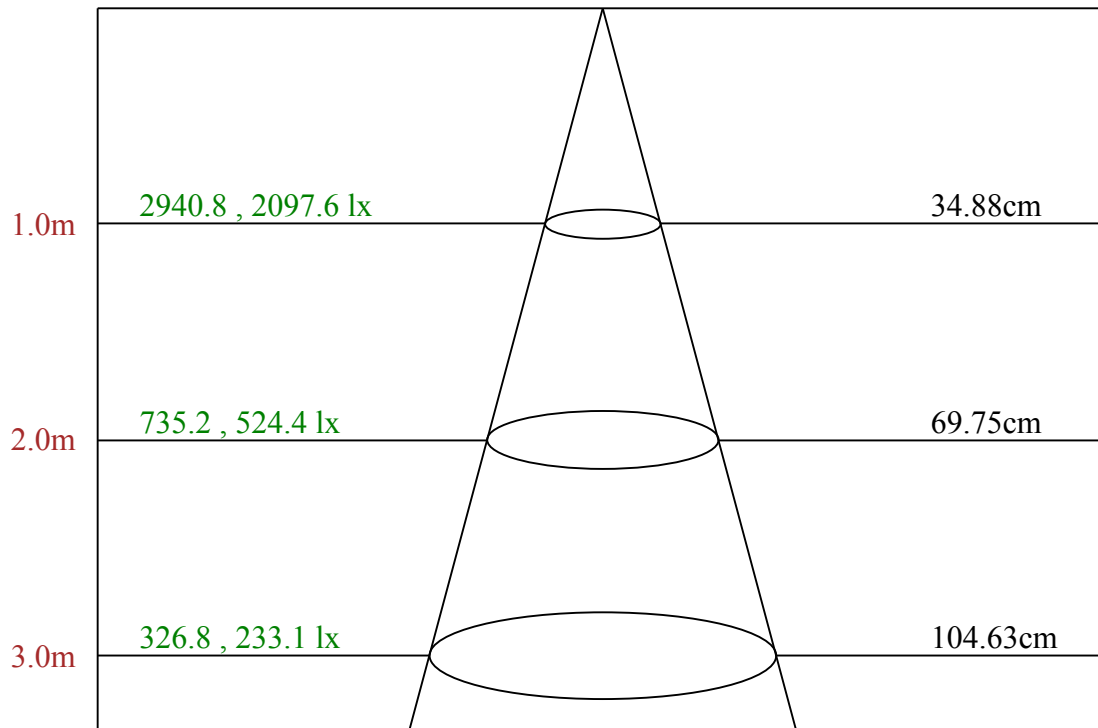
Equipment: equipamento lumini
Temperature(°C): 25.5

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

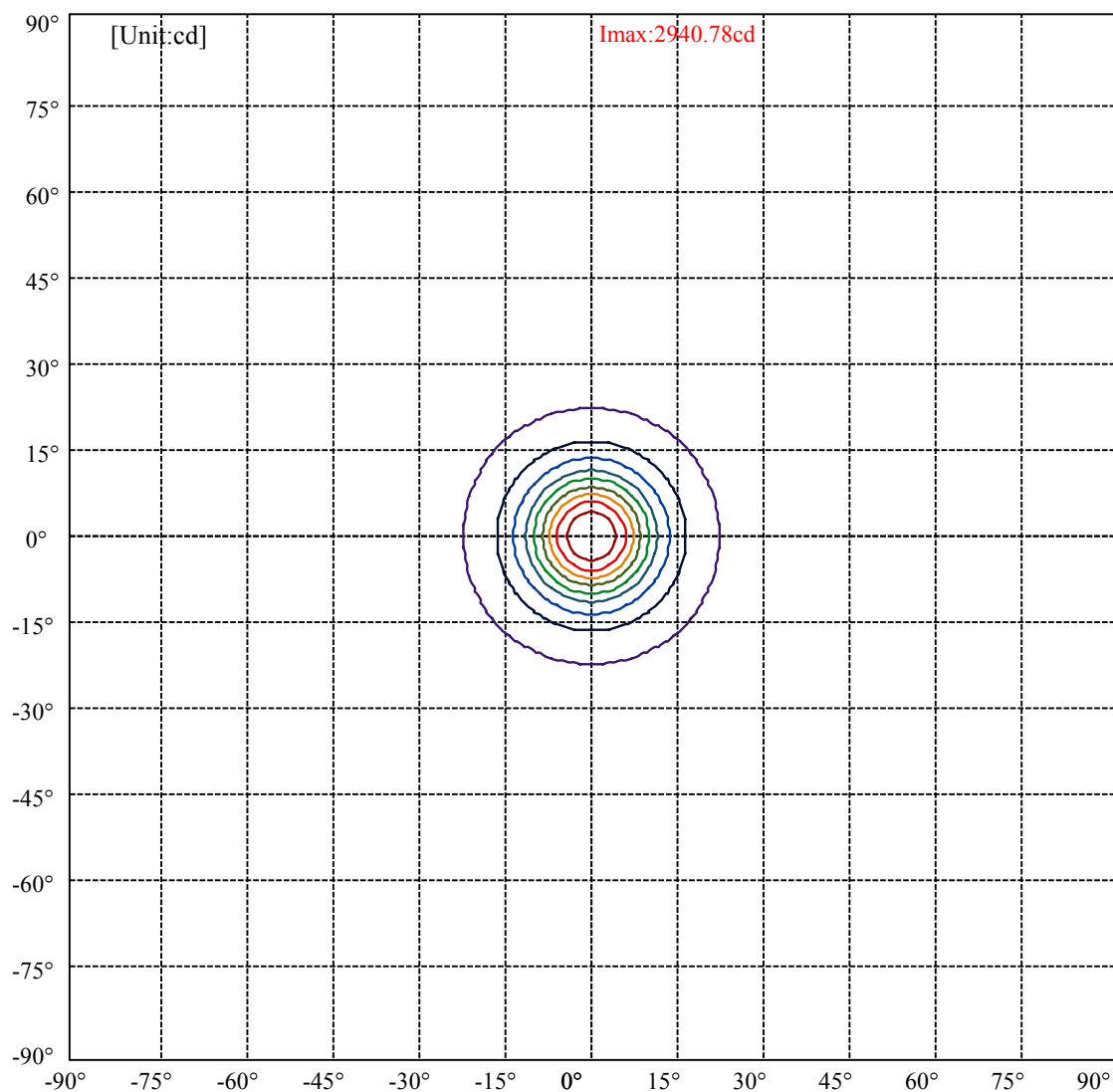
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 19.78



(10%Imax) 294.077	—
(20%Imax) 588.155	—
(30%Imax) 882.232	—
(40%Imax) 1176.31	—
(50%Imax) 1470.39	—
(60%Imax) 1764.46	—
(70%Imax) 2058.54	—
(80%Imax) 2352.62	—
(90%Imax) 2646.7	—

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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	8492	5305	3445	2607	2380	2627	3127	4558	9013
C45	8492	5305	3445	2607	2380	2627	3127	4558	9013
C90	8492	5305	3445	2607	2380	2627	3127	4558	9013

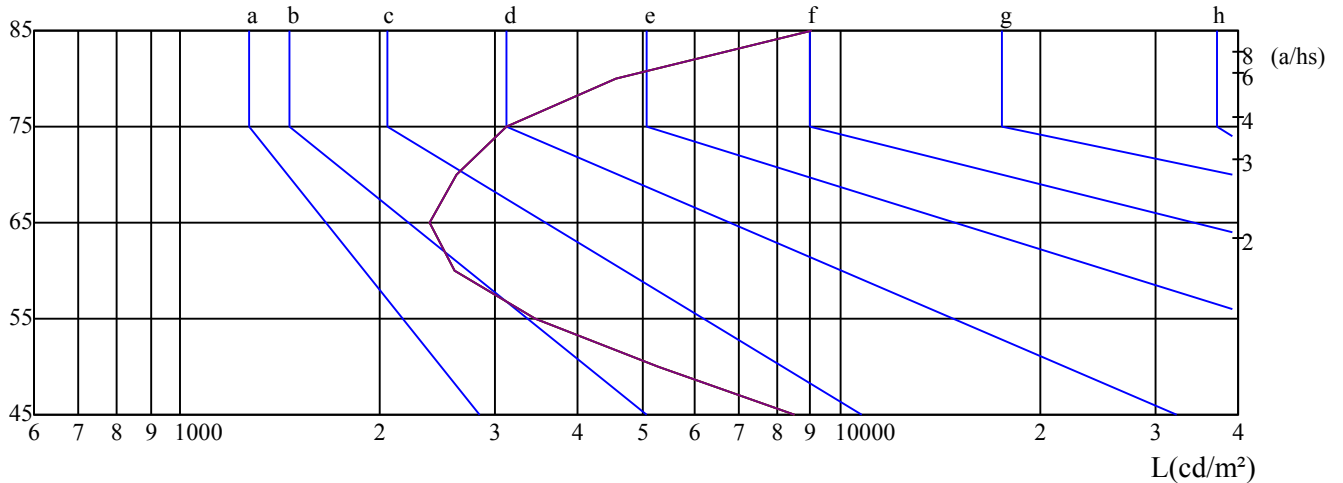
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2380	2380	2380	3127	3127	3127	9013	9013	9013

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($^{\circ}$ 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	11.71	12.64	12.07	12.95	13.26	11.18	12.11	11.54	12.42	12.73
	3H	12.01	12.83	12.40	13.17	13.52	11.24	12.07	11.63	12.41	12.75
	4H	12.19	12.96	12.59	13.31	13.68	11.44	12.20	11.84	12.55	12.92
	6H	12.54	13.24	12.96	13.62	14.02	11.89	12.58	12.31	12.96	13.36
	8H	12.81	13.48	13.24	13.86	14.27	12.24	12.90	12.66	13.29	13.70
	12H	13.23	13.86	13.66	14.25	14.67	12.77	13.40	13.20	13.79	14.21
4H	2H	11.51	12.27	11.91	12.63	12.99	11.00	11.76	11.40	12.12	12.48
	3H	11.92	12.56	12.34	12.95	13.37	11.17	11.81	11.60	12.21	12.63
	4H	12.28	12.83	12.72	13.26	13.71	11.57	12.12	12.01	12.55	13.00
	6H	12.82	13.31	13.30	13.76	14.21	12.26	12.74	12.73	13.20	13.65
	8H	13.29	13.74	13.77	14.20	14.67	12.82	13.27	13.31	13.73	14.21
	12H	13.95	14.37	14.44	14.82	15.34	13.62	14.03	14.11	14.49	15.01
8H	4H	12.32	12.77	12.81	13.23	13.71	11.67	12.12	12.16	12.58	13.06
	6H	13.11	13.47	13.61	13.95	14.47	12.63	13.00	13.14	13.48	14.00
	8H	13.83	14.14	14.36	14.66	15.16	13.47	13.78	14.01	14.30	14.80
	12H	14.78	15.01	15.32	15.53	16.05	14.56	14.79	15.10	15.31	15.83
12H	4H	12.35	12.76	12.84	13.22	13.74	11.72	12.13	12.21	12.58	13.11
	6H	13.28	13.58	13.81	14.11	14.61	12.83	13.14	13.37	13.66	14.16
	8H	14.07	14.30	14.62	14.82	15.35	13.75	13.98	14.29	14.50	15.02
Variation with the observer position at spacings:											
S = 1.0H		3.7/-3.4					3.7/-3.4				
S = 1.5H		5.3/-2.9					5.3/-2.9				
S = 2.0H		6.3/-2.4					6.3/-2.4				
Standard tables:		BK4					BK4				
Uncorrected UGR		-4.2					-4.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25