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## lumini

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LumCAT:

Luminaire: kube h ext 50

LampCAT: modulo led 5W 2700K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0400

Number of Lamps: 1

Power (W): 4.7700

Lamp flux(lm): 290.0

PF: 0.9300

Length(mm): 50

Width(mm): 85

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 151.18, Efficiency(%): 52.13% , Luminous Efficacy(lm/W): 31.69

Central intensity(cd): 0.095, Maximum intensity(cd): 471.720

Angle of maximum intensity: C=90.0  $\gamma$ =65.0

Beam angle of C90 plane : 115.41

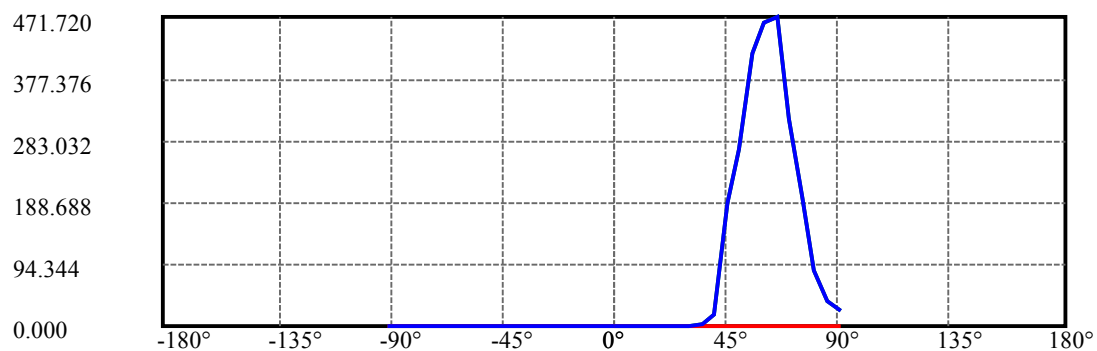
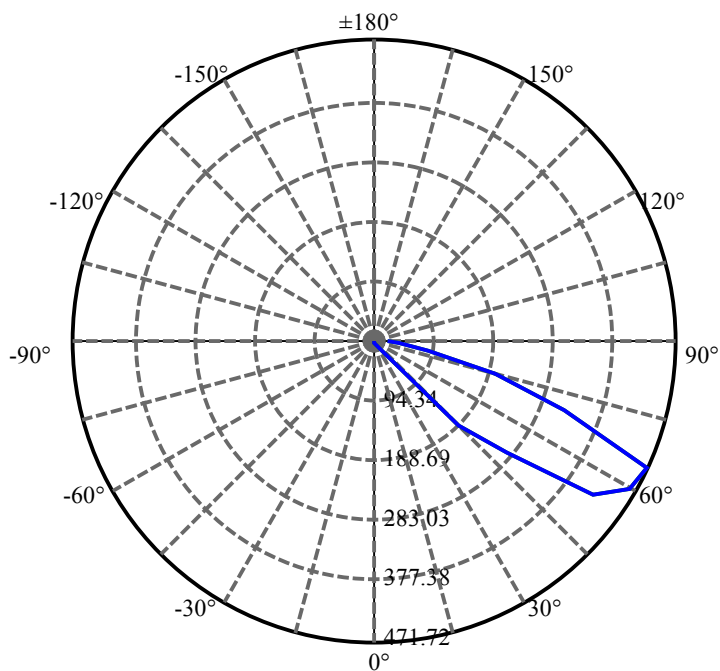
Aveage BeamAngle(IEC 61341):87.60

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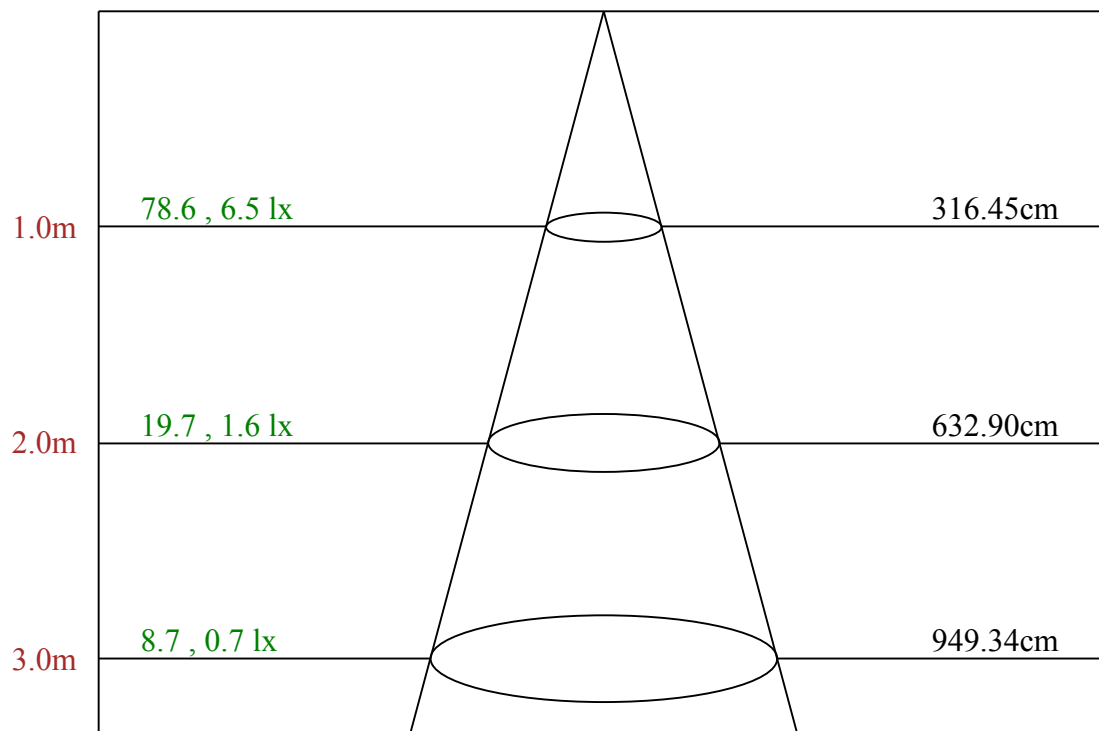
Equipment: equipamento lumini  
Temperature(°C): 25.5

Date: 3/8/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90

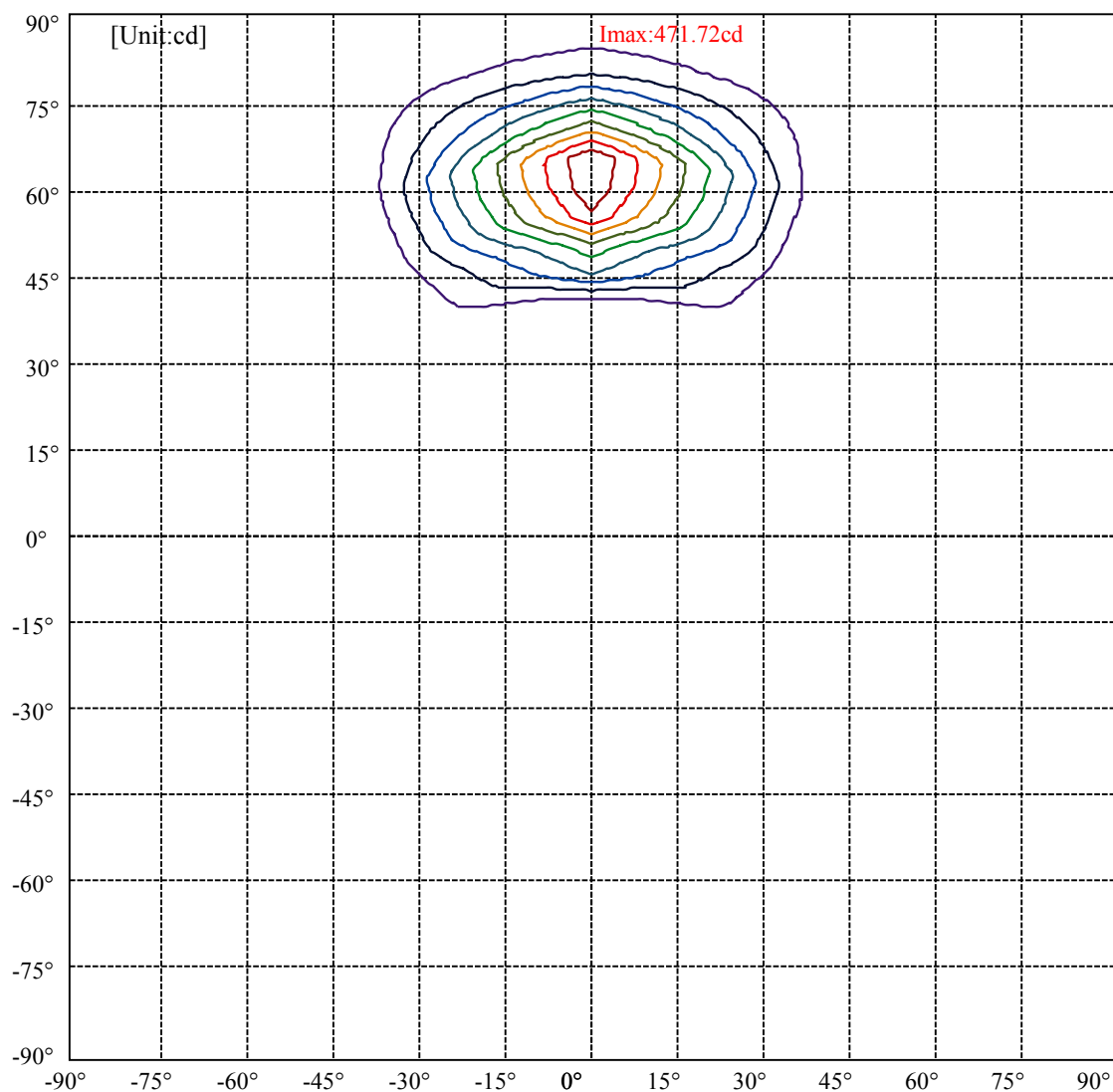


C90(Max):  
C0/C180:  
C90/C270:



Max , Ave

Beam angle of C90 plane 115.41



(10%I <sub>max</sub> ) 47.172	—
(20%I <sub>max</sub> ) 94.344	—
(30%I <sub>max</sub> ) 141.516	—
(40%I <sub>max</sub> ) 188.688	—
(50%I <sub>max</sub> ) 235.86	—
(60%I <sub>max</sub> ) 283.032	—
(70%I <sub>max</sub> ) 330.204	—
(80%I <sub>max</sub> ) 377.376	—
(90%I <sub>max</sub> ) 424.548	—

# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	32	35	39	45	53	66	87	129	257
C45	206	366	566	762	848	884	909	903	1414
C90	62277	98519	170874	217729	262632	217647	179450	114186	102312

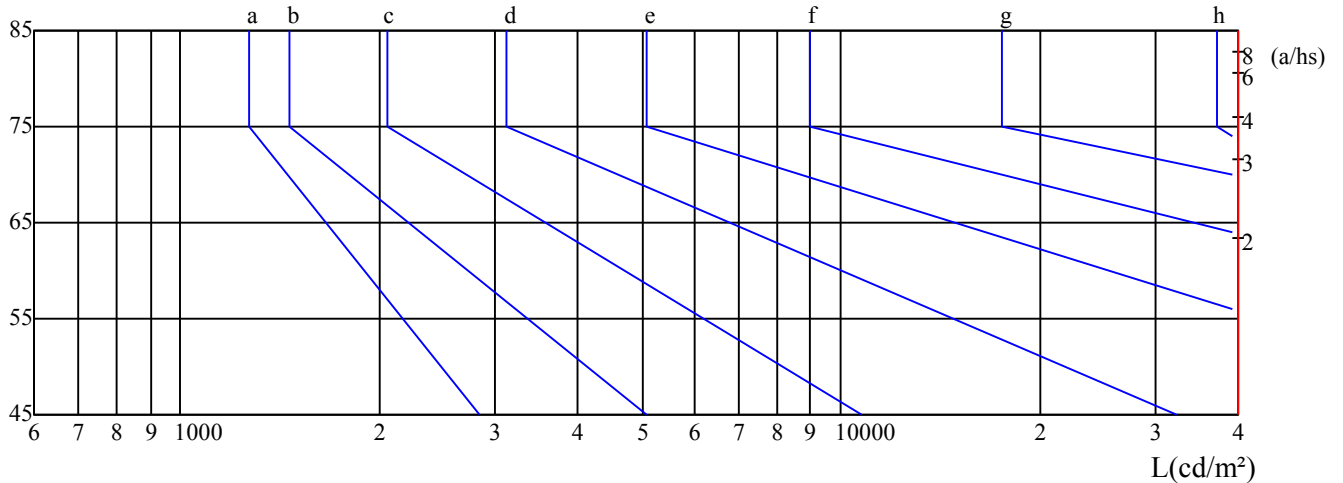
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
53	131342	961	87	89768	1363	257	51284	3631

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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: 3/8/2024  
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	6.68	8.85	7.04	9.16	9.48	36.62	38.78	36.98	39.10	39.41
	3H	6.64	8.66	7.02	9.00	9.33	40.26	42.28	40.64	42.62	42.95
	4H	6.63	8.56	7.02	8.91	9.26	41.16	43.08	41.54	43.43	43.78
	6H	6.65	8.47	7.04	8.82	9.20	41.65	43.47	42.04	43.82	44.20
	8H	6.62	8.39	7.02	8.75	9.14	41.75	43.52	42.15	43.88	44.27
	12H	6.60	8.31	7.01	8.68	9.08	41.83	43.54	42.23	43.91	44.30
4H	2H	24.07	26.00	24.46	26.35	26.70	36.55	38.48	36.94	38.82	39.17
	3H	23.97	25.67	24.37	26.04	26.44	40.34	42.04	40.74	42.41	42.81
	4H	23.98	25.53	24.41	25.93	26.35	41.41	42.96	41.84	43.36	43.78
	6H	23.95	25.35	24.40	25.77	26.19	42.01	43.41	42.45	43.82	44.25
	8H	23.95	25.26	24.40	25.68	26.13	42.21	43.52	42.66	43.94	44.39
	12H	23.95	25.18	24.41	25.59	26.07	42.38	43.60	42.84	44.02	44.50
8H	4H	27.35	28.66	27.80	29.08	29.52	41.40	42.71	41.85	43.13	43.57
	6H	27.33	28.43	27.80	28.87	29.35	42.04	43.14	42.51	43.59	44.06
	8H	27.39	28.36	27.88	28.84	29.32	42.35	43.31	42.83	43.80	44.27
	12H	27.41	28.24	27.91	28.73	29.22	42.58	43.41	43.08	43.90	44.39
12H	4H	27.86	29.09	28.33	29.51	29.98	41.40	42.62	41.86	43.04	43.52
	6H	27.92	28.88	28.40	29.37	29.84	42.10	43.07	42.58	43.55	44.03
	8H	27.94	28.77	28.44	29.26	29.75	42.37	43.19	42.87	43.69	44.18
Variation with the observer position at spacings:											
S = 1.0H		0.6/-0.7					1.6/-5.5				
S = 1.5H		1.7/-1.3					2.5/-8.2				
S = 2.0H		2.8/-2.2					4.1/-6.9				
Standard tables:		BK2					BK12				
Uncorrected UGR		23.0					7.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25