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LumCAT:

Luminaire: geo edge 500 p fa

LampCAT: modulo led 16W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0810

Number of Lamps: 1

Power (W): 17.8900

Lamp flux(lm): 1980.0

PF: 0.9800

Length(mm): 500

Width(mm): 20

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1394.75, Efficiency(%): 70.44% , Luminous Efficacy(lm/W): 77.96

Central intensity(cd): 2521.092, Maximum intensity(cd): 2521.092

Angle of maximum intensity: C=0.0 γ =0.0

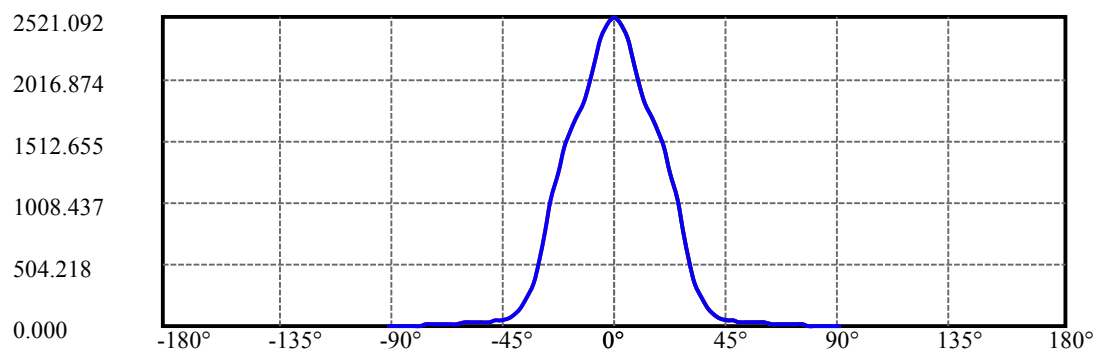
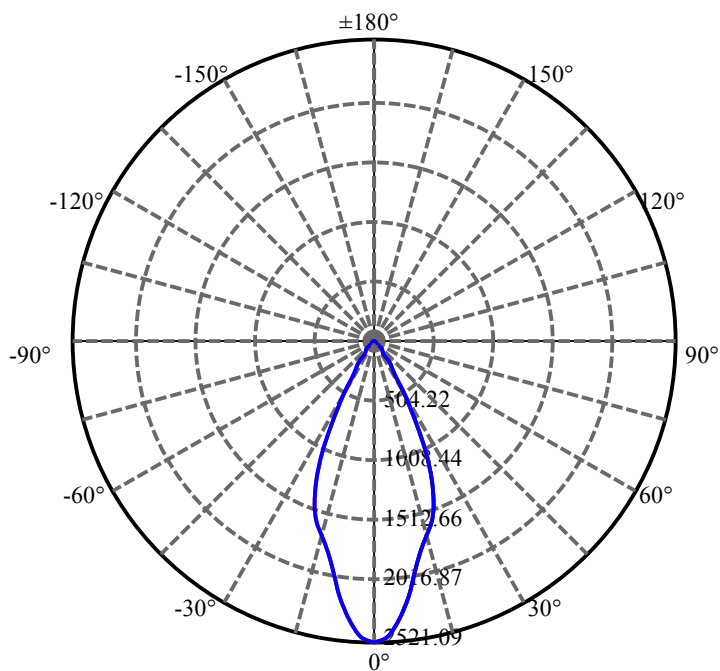
Beam angle of C0 plane : 44.45

Aveage BeamAngle(IEC 61341):44.45

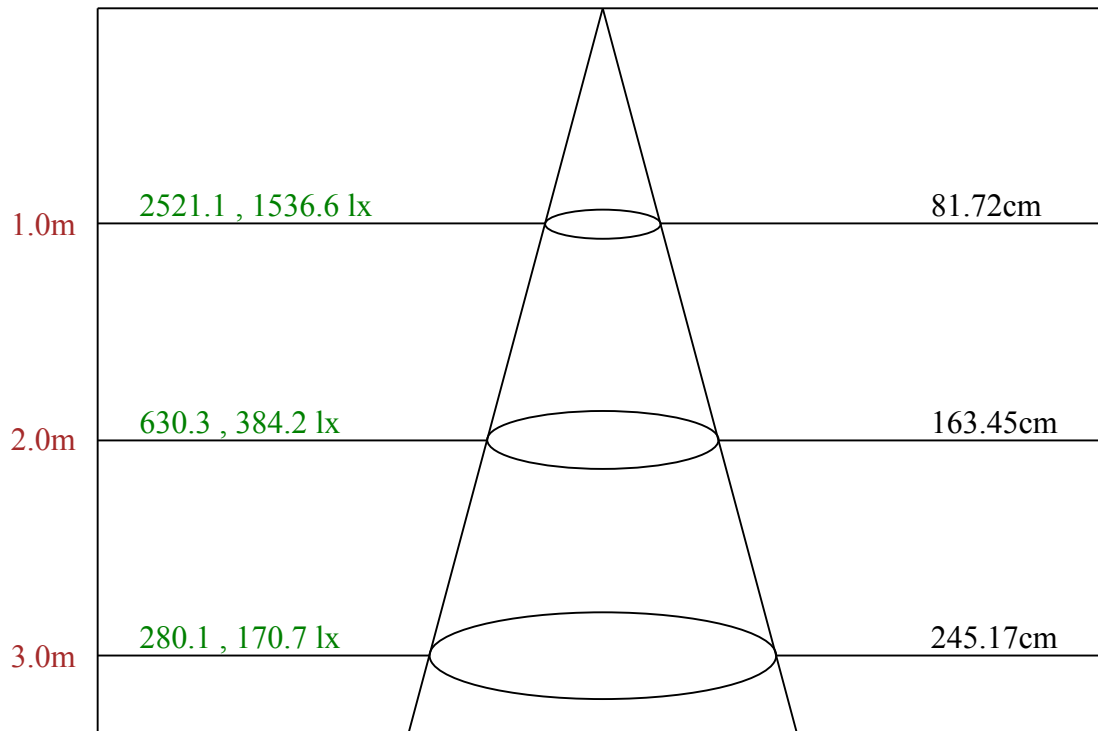
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 7/22/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

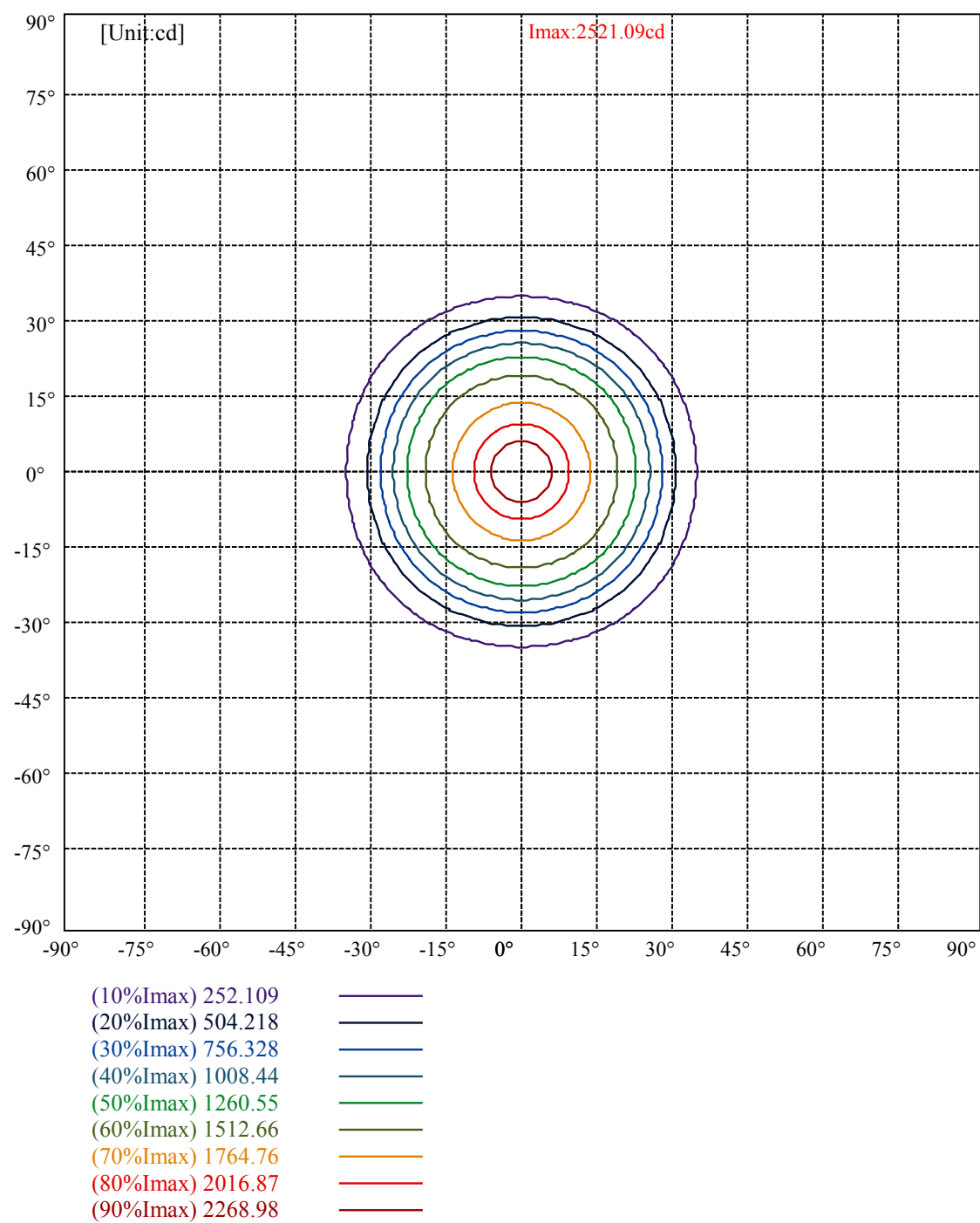


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 44.45



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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	6788	5346	4986	4930	4667	4133	3481	3225	4889
C45	6788	5346	4986	4930	4667	4133	3481	3225	4889
C90	6788	5346	4986	4930	4667	4133	3481	3225	4889

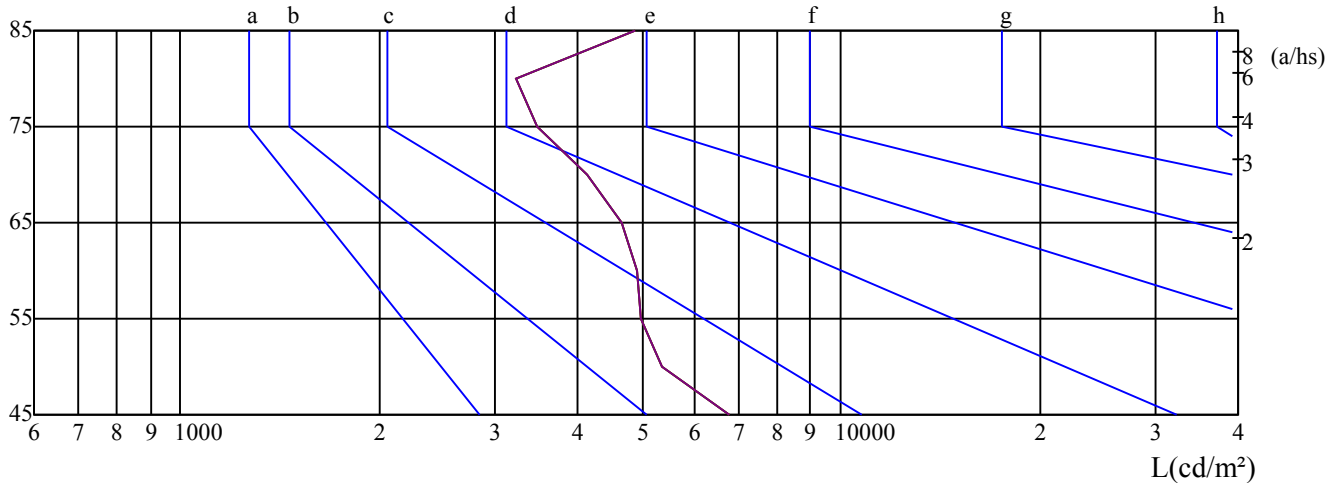
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4667	4667	4667	3481	3481	3481	4889	4889	4889

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

$\gamma(^{\circ})$



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 25.5

Date: 7/22/2024
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	15.59	16.58	15.96	16.89	17.21	15.90	16.89	16.26	17.20	17.51
	3H	16.22	17.09	16.60	17.43	17.78	16.35	17.23	16.73	17.56	17.91
	4H	16.44	17.25	16.84	17.60	17.97	16.45	17.27	16.85	17.62	17.99
	6H	16.59	17.33	17.01	17.71	18.11	16.53	17.27	16.94	17.65	18.05
	8H	16.62	17.33	17.04	17.72	18.13	16.53	17.24	16.95	17.63	18.04
	12H	16.66	17.34	17.09	17.73	18.15	16.57	17.24	16.99	17.64	18.06
4H	2H	15.70	16.51	16.10	16.86	17.23	15.97	16.78	16.37	17.13	17.50
	3H	16.48	17.16	16.90	17.56	17.97	16.56	17.24	16.99	17.64	18.06
	4H	16.84	17.43	17.28	17.86	18.30	16.80	17.39	17.23	17.81	18.26
	6H	17.04	17.56	17.52	18.02	18.47	16.90	17.42	17.38	17.88	18.33
	8H	17.14	17.63	17.63	18.08	18.56	16.97	17.45	17.46	17.91	18.38
	12H	17.26	17.70	17.75	18.15	18.67	17.08	17.53	17.57	17.98	18.50
8H	4H	16.87	17.35	17.36	17.81	18.29	16.83	17.31	17.32	17.77	18.24
	6H	17.17	17.56	17.67	18.04	18.55	17.03	17.42	17.53	17.90	18.41
	8H	17.38	17.71	17.91	18.23	18.73	17.20	17.53	17.73	18.05	18.55
	12H	17.58	17.83	18.12	18.35	18.87	17.40	17.65	17.94	18.17	18.69
12H	4H	16.85	17.29	17.34	17.74	18.26	16.81	17.25	17.30	17.71	18.23
	6H	17.21	17.54	17.74	18.06	18.56	17.08	17.41	17.61	17.93	18.43
	8H	17.42	17.67	17.96	18.19	18.71	17.24	17.50	17.79	18.02	18.54
Variation with the observer position at spacings:											
S = 1.0H		3.3/-1.9					3.3/-1.9				
S = 1.5H		5.1/-1.9					5.1/-1.9				
S = 2.0H		6.6/-2.0					6.6/-2.0				
Standard tables:		BK3					BK3				
Uncorrected UGR		-1.7					-1.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25