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## lumini

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LumCAT:

Luminaire: geo edge 500 p fc

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

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## Photometric Results

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Lumens(lm): 1328.24, Efficiency(%): 67.08% , Luminous Efficacy(lm/W): 74.24

Central intensity(cd): 8845.129, Maximum intensity(cd): 8845.129

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

Beam angle of C0 plane : 19.44

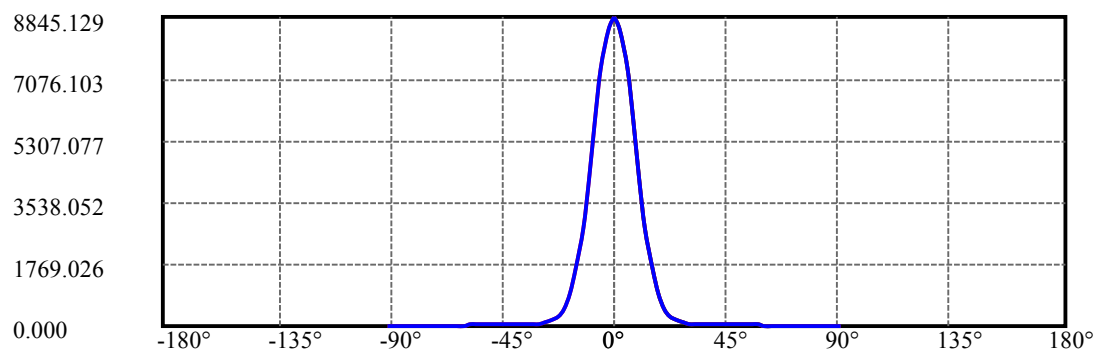
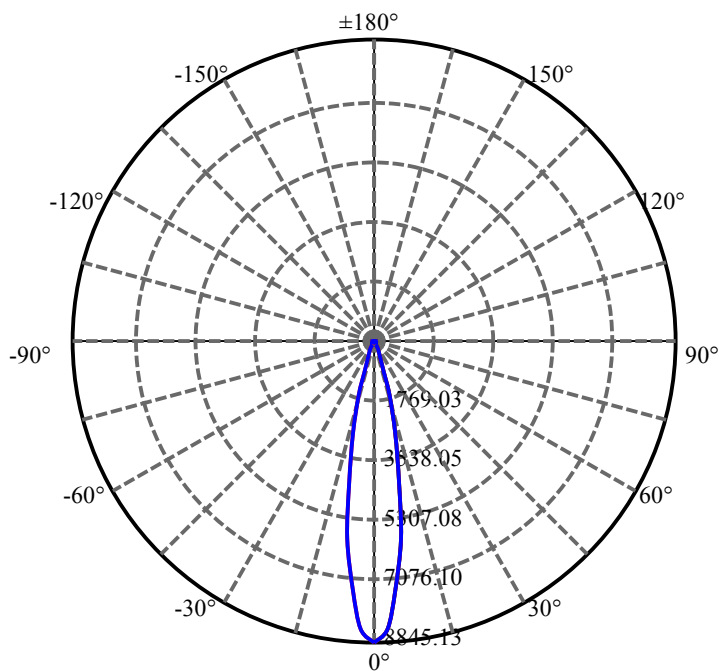
Average BeamAngle(IEC 61341): 19.44

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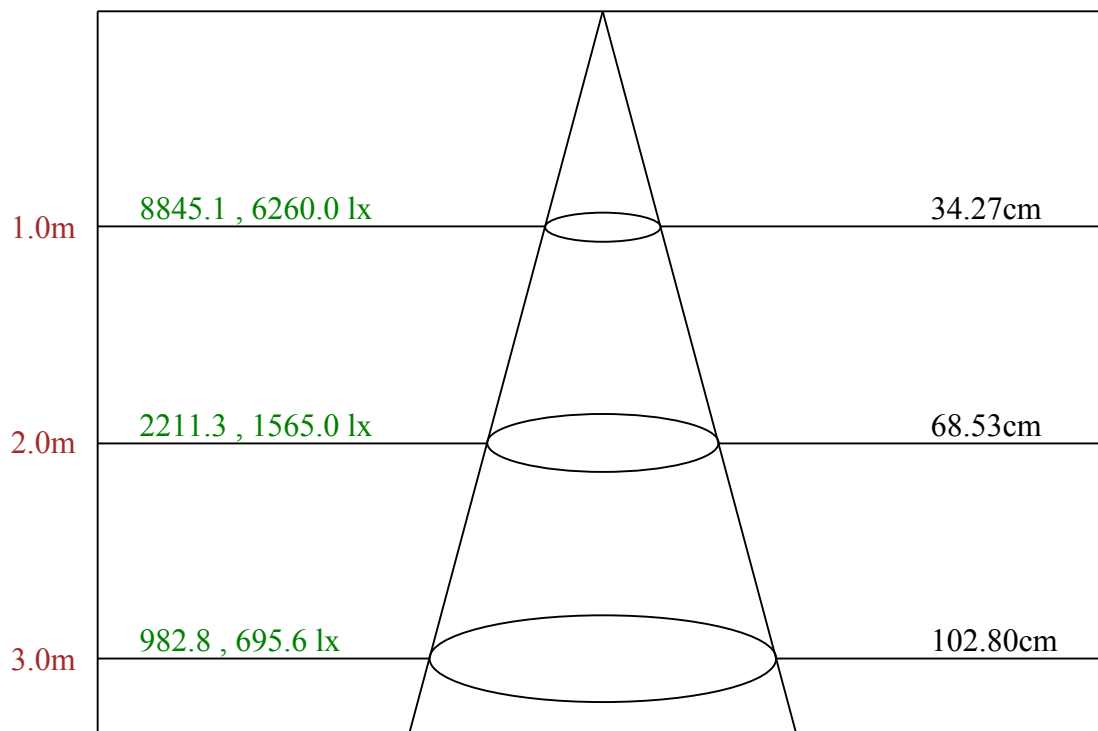
Equipment: equipamento lumini  
Temperature(°C): 25.5

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

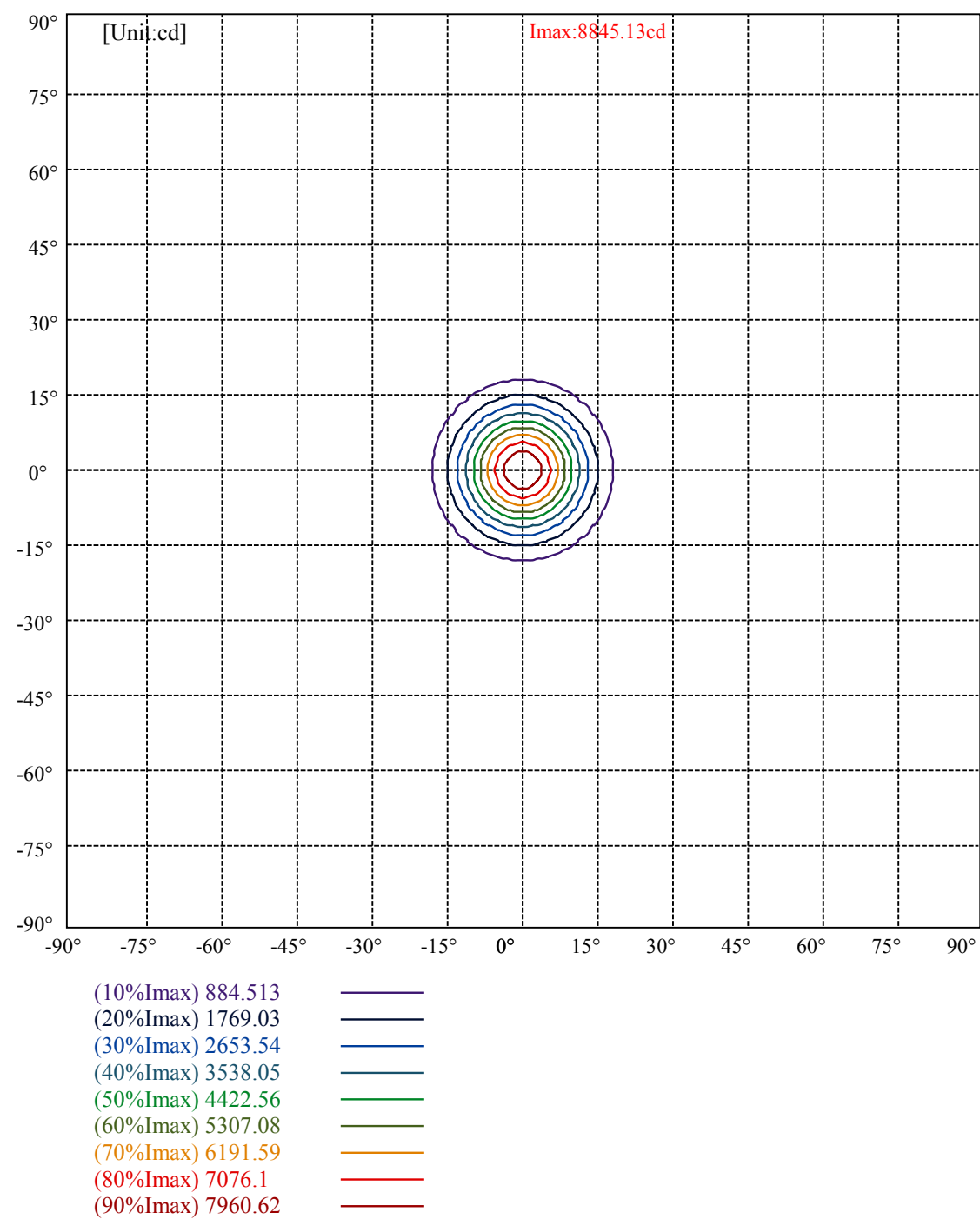
Operator: 01  
Distance(m): 6.90



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



Max , Ave      Beam angle of C0 plane 19.44



## lumini

### Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	7730	6890	5721	4754	4020	3593	3323	3365	5155
C45	7730	6890	5721	4754	4020	3593	3323	3365	5155
C90	7730	6890	5721	4754	4020	3593	3323	3365	5155

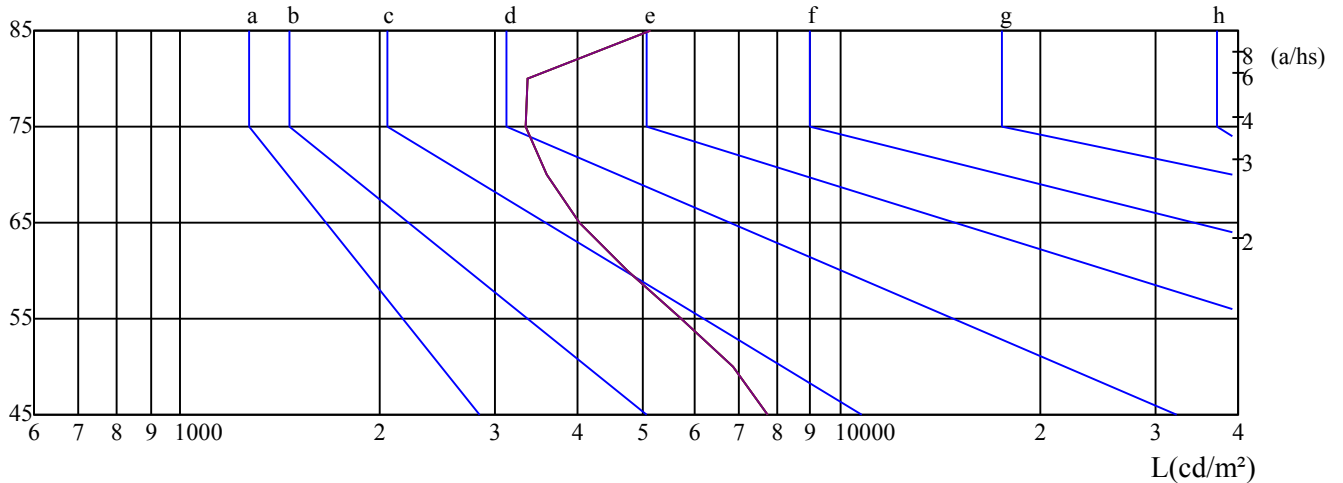
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4020	4020	4020	3323	3323	3323	5155	5155	5155

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( $^{\circ}$ 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	13.05	14.05	13.42	14.36	14.68	13.36	14.35	13.72	14.66	14.98
	3H	13.87	14.75	14.25	15.09	15.44	14.18	15.06	14.57	15.40	15.75
	4H	14.20	15.02	14.60	15.38	15.75	14.47	15.29	14.87	15.65	16.02
	6H	14.51	15.26	14.92	15.63	16.03	14.73	15.48	15.15	15.86	16.26
	8H	14.62	15.34	15.04	15.72	16.13	14.82	15.54	15.24	15.92	16.33
	12H	14.76	15.44	15.19	15.83	16.25	14.94	15.62	15.37	16.02	16.44
4H	2H	13.44	14.26	13.84	14.61	14.98	13.68	14.50	14.08	14.86	15.22
	3H	14.40	15.09	14.83	15.49	15.90	14.65	15.34	15.07	15.73	16.15
	4H	14.89	15.49	15.33	15.91	16.36	15.10	15.69	15.54	16.12	16.57
	6H	15.27	15.79	15.74	16.25	16.70	15.43	15.95	15.90	16.41	16.86
	8H	15.47	15.95	15.95	16.41	16.88	15.59	16.08	16.08	16.54	17.01
	12H	15.70	16.15	16.19	16.60	17.12	15.81	16.26	16.30	16.71	17.23
8H	4H	15.03	15.51	15.51	15.97	16.44	15.21	15.70	15.70	16.16	16.63
	6H	15.54	15.94	16.04	16.41	16.93	15.67	16.07	16.18	16.55	17.06
	8H	15.88	16.22	16.41	16.74	17.24	15.98	16.31	16.51	16.83	17.33
	12H	16.25	16.51	16.79	17.03	17.55	16.33	16.59	16.88	17.11	17.63
12H	4H	15.02	15.47	15.51	15.92	16.44	15.21	15.66	15.70	16.11	16.63
	6H	15.63	15.96	16.16	16.48	16.98	15.76	16.09	16.29	16.61	17.11
	8H	15.99	16.25	16.53	16.77	17.29	16.08	16.34	16.62	16.86	17.38
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.6					0.4/-0.6				
S = 1.5H		0.6/-1.2					0.6/-1.2				
S = 2.0H		1.3/-1.4					1.3/-1.4				
Standard tables:		BK3					BK3				
Uncorrected UGR		-3.1					-3.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25