



no frame flex sm b cob e

linha de luminárias embutidas para tecnologia led, para forro de gesso, parede ou piso, com opções de facho fixos e orientáveis. sua principal característica é a fixação sem moldura, conferindo um acabamento limpo aos ambientes.

informações técnicas

fonte de luz
LED integrado

IRC
alto índice de reprodução de cor (irc>90|r9>60)

vida útil
25.000h/50.000h

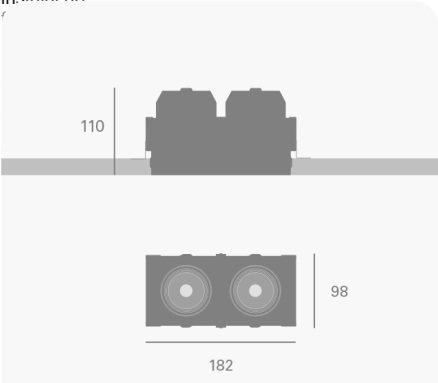
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
12	c	2700		
12	m	2700		
12	a	2700		
12	c	3000	2x690	2x431
12	m	3000	2x690	2x519
12	a	3000	2x690	2x448
25	c	2700		
25	m	2700		
25	a	2700		
25	c	3000	2x1550	2x1152
25	m	3000	2x1550	2x1096
25	a	3000	2x1550	2x1053
25	c	4000		
25	m	4000		
25	a	4000		
10	m	2700	2x290	2x200
10	a	2700	2x290	2x201
18	m	2700	2x525	2x333
18	a	2700	2x525	2x315

equipamentos
LED driver 180mA (incluso, ponto remoto)
LED driver 350mA (incluso, ponto remoto)

controle
on/off
dim fphase
dim dali
dim 1-10V

instalação



acabamentos e cores

cores

titânio	grafite txt
cinza areia	branco txt
preto txt	corten
cinza médio	



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informações técnicas

fonte de luz
LED integrado

IRC
alto índice de reprodução de cor (irc>90 | r9>60)

vida útil
25.000h/50.000h

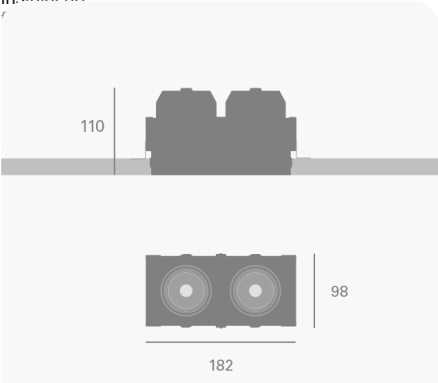
potência (W), fecho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
12	concentrado	2700		
12	médio	2700		
12	aberto	2700		
12	concentrado	3000	2x690	2x431
12	médio	3000	2x690	2x519
12	aberto	3000	2x690	2x448
25	concentrado	2700		
25	médio	2700		
25	aberto	2700		
25	concentrado	3000	2x1550	2x1152
25	médio	3000	2x1550	2x1096
25	aberto	3000	2x1550	2x1053
25	concentrado	4000		
25	médio	4000		
25	aberto	4000		
10	médio	2700	2x290	2x200
10	aberto	2700	2x290	2x201
18	médio	2700	2x525	2x333
18	aberto	2700	2x525	2x315

equipamentos
LED driver 180mA (incluso, ponto remoto)
LED driver 350mA (incluso, ponto remoto)

controle
on/off
dim fphase
dim dali
dim 1-10V

instalação



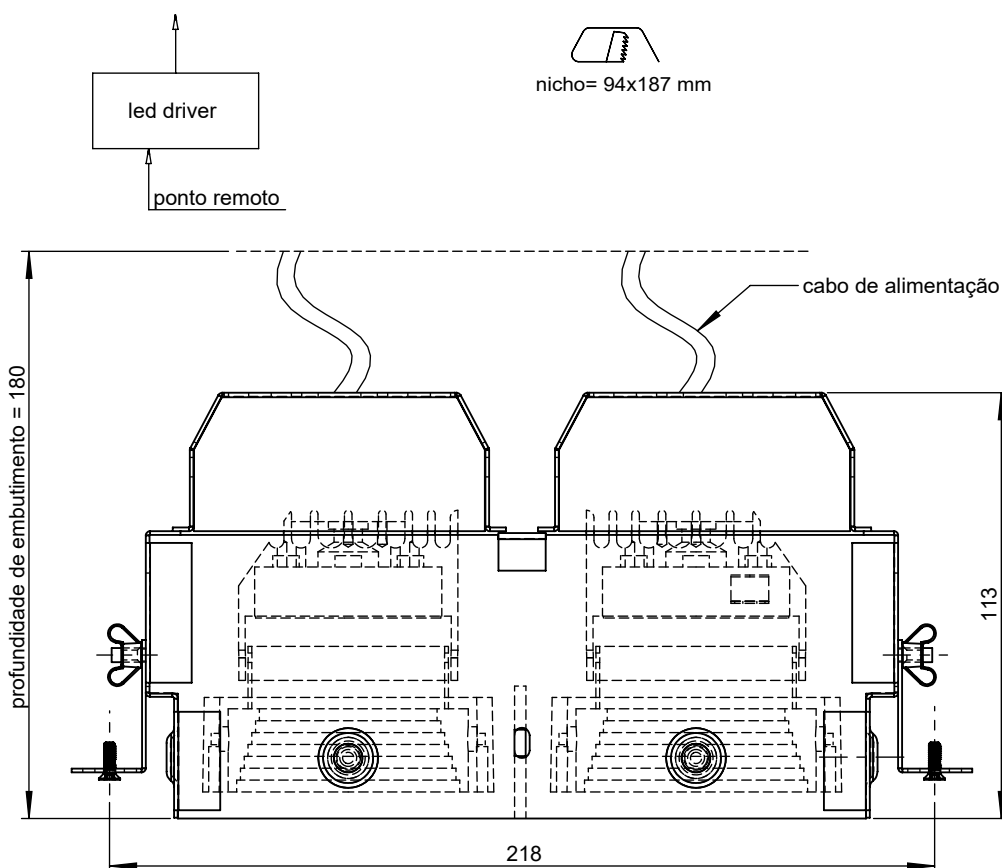
acabamentos e cores

cores



vista lateral

dimensões em milímetros



no frame flex sm b
cob e

folha
1/1

escala
1:2

data
15/04/2025

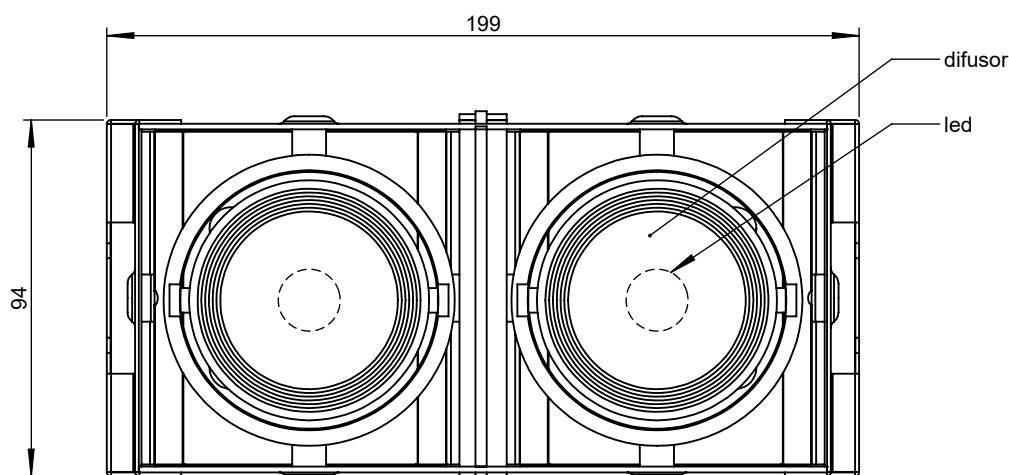
desenhista
joao ferreira

aprovação
edmilson

revisões
15/04/2025

vista inferior

dimensões em milímetros



para maiores informações,
consulte a área técnica
produto@lumini.com.br



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LumCAT:

Luminaire: no frame flex sm a cob serie 3 e fa

LampCAT: modulo led 6W 3000K irc 90

Ballast type: led driver 180mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0610

Number of Lamps: 1

Power (W): 7.6500

Lamp flux(lm): 690.0

PF: 0.9900

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 447.93, Efficiency(%): 64.92% , Luminous Efficacy(lm/W): 58.55

Central intensity(cd): 756.202, Maximum intensity(cd): 756.202

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

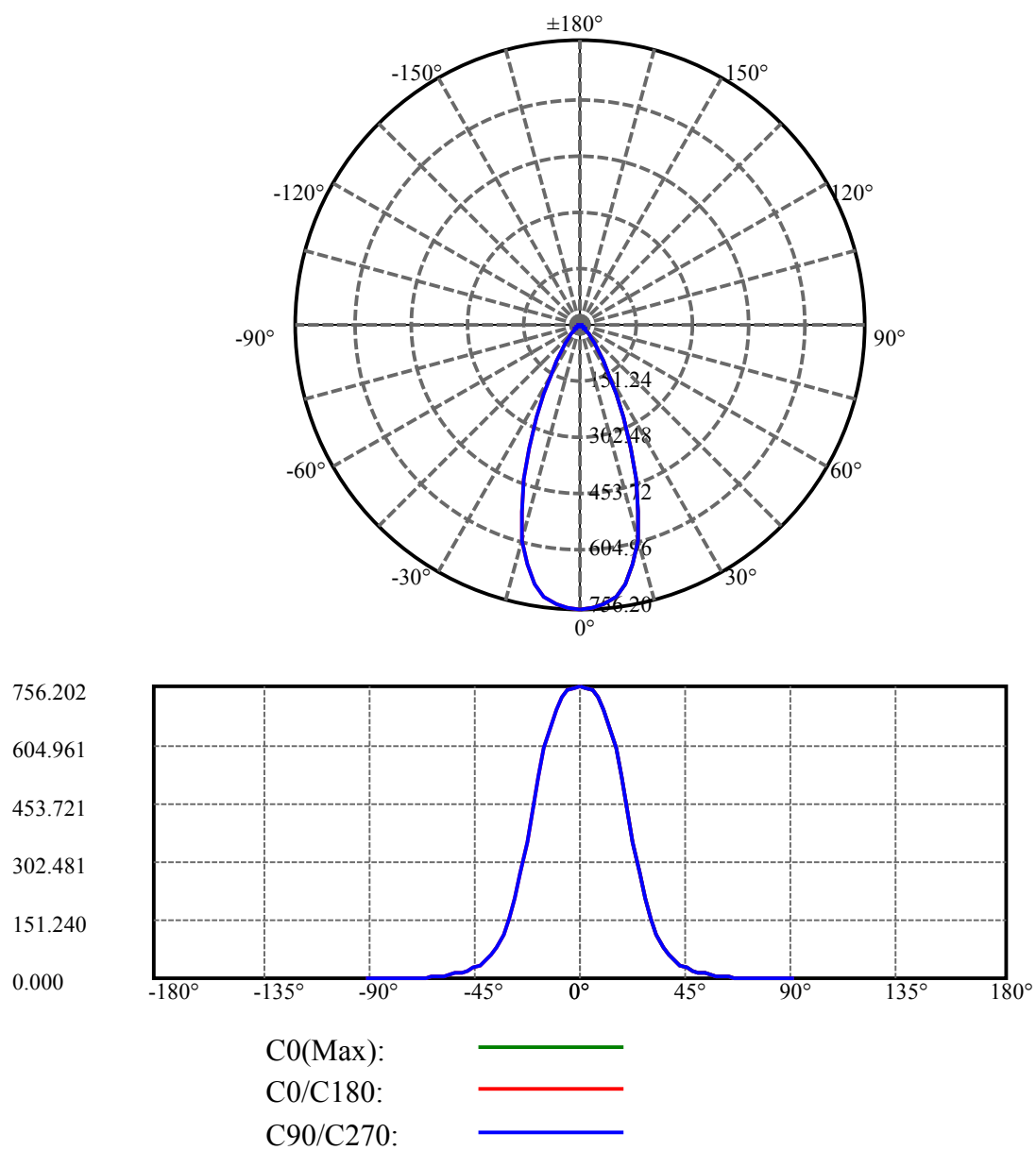
Beam angle of C0 plane : 43.15

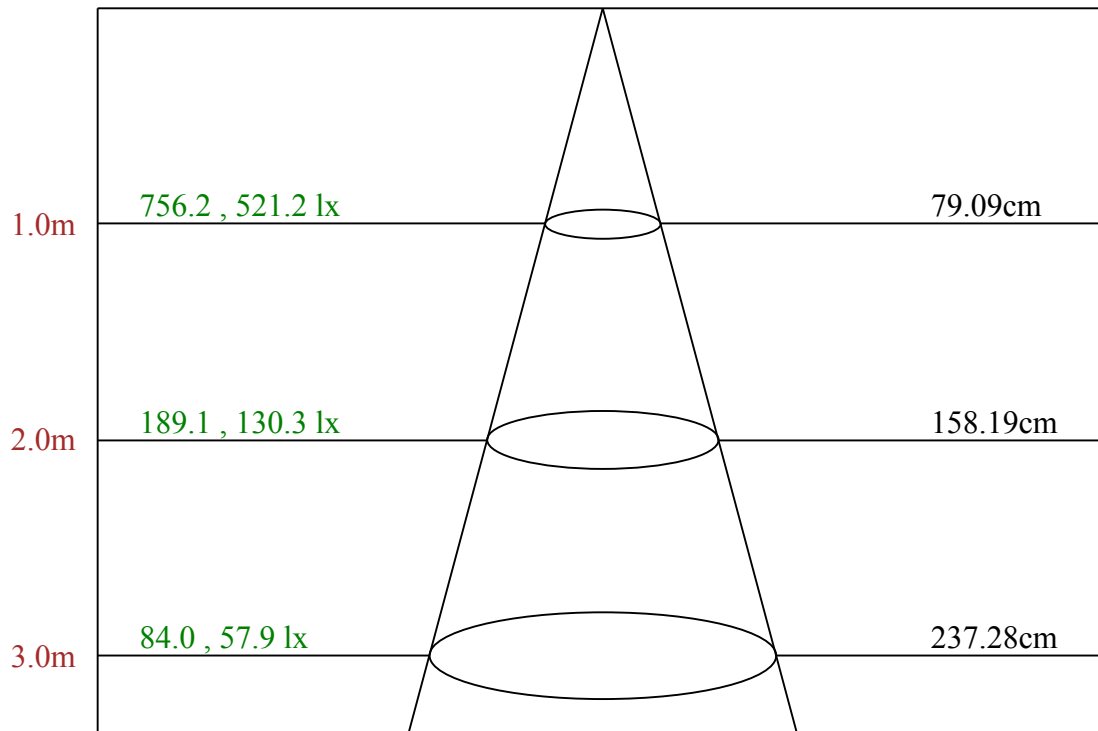
Average BeamAngle(IEC 61341): 43.15

Equipment: equipamento lumini
Temperature(°C): 25.5

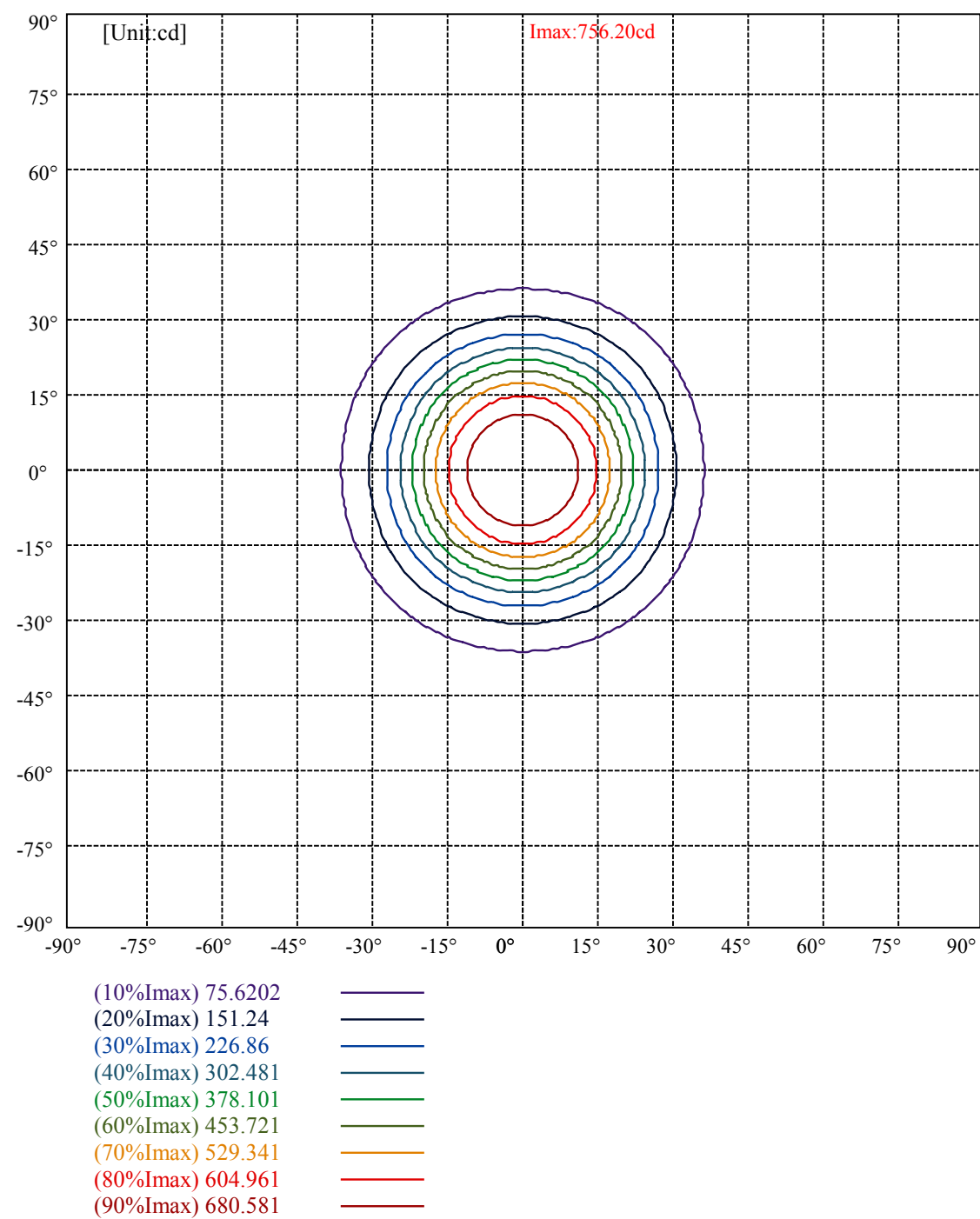
Date: 5/14/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 43.15



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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	12186	8178	5399	3238	1755	1358	1573	2198	3973
C45	12186	8178	5399	3238	1755	1358	1573	2198	3973
C90	12186	8178	5399	3238	1755	1358	1573	2198	3973

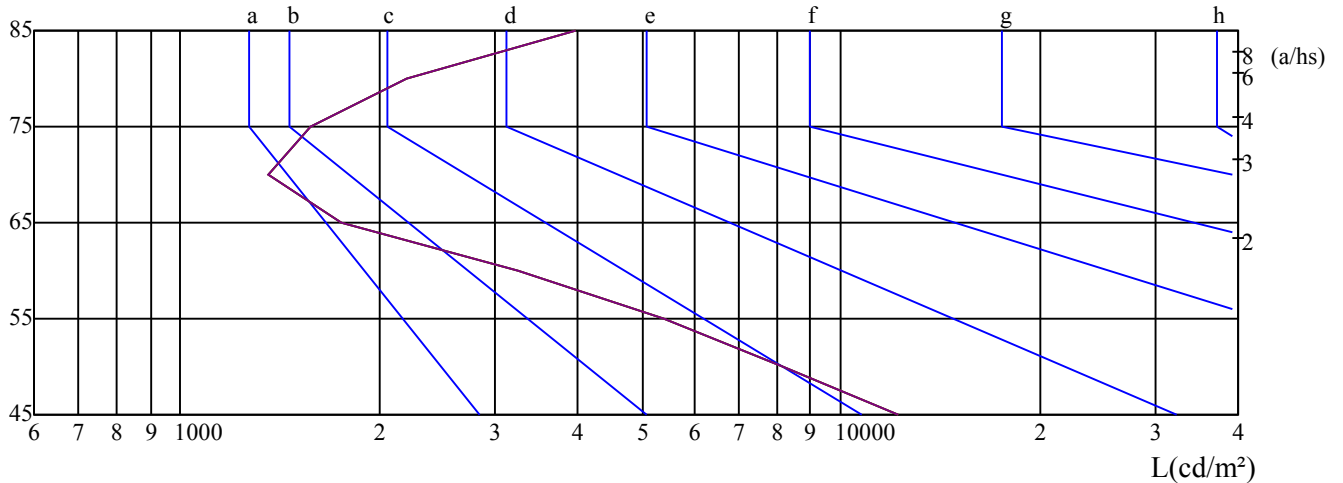
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1755	1755	1755	1573	1573	1573	3973	3973	3973

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: 5/14/2024
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	17.34	18.33	17.70	18.64	18.95	16.27	17.26	16.63	17.57	17.88
	3H	17.18	18.06	17.57	18.40	18.74	16.13	17.01	16.52	17.35	17.69
	4H	17.11	17.92	17.51	18.27	18.64	16.07	16.88	16.47	17.23	17.60
	6H	17.08	17.82	17.49	18.19	18.59	16.05	16.79	16.47	17.17	17.57
	8H	17.04	17.75	17.47	18.14	18.54	16.03	16.74	16.45	17.12	17.53
	12H	17.03	17.70	17.46	18.10	18.52	16.04	16.71	16.47	17.11	17.53
4H	2H	17.13	17.94	17.53	18.30	18.67	16.11	16.92	16.51	17.27	17.64
	3H	16.97	17.64	17.39	18.04	18.45	15.97	16.64	16.39	17.04	17.46
	4H	16.94	17.52	17.37	17.94	18.39	15.96	16.54	16.39	16.96	17.41
	6H	16.89	17.40	17.36	17.86	18.31	15.93	16.45	16.41	16.90	17.35
	8H	16.91	17.38	17.39	17.84	18.32	15.97	16.45	16.46	16.91	17.38
	12H	16.97	17.41	17.46	17.86	18.38	16.07	16.50	16.56	16.96	17.48
8H	4H	16.77	17.24	17.25	17.70	18.18	15.80	16.28	16.29	16.74	17.21
	6H	16.76	17.15	17.26	17.63	18.14	15.82	16.21	16.33	16.69	17.21
	8H	16.86	17.19	17.40	17.71	18.21	15.97	16.29	16.50	16.82	17.31
	12H	16.99	17.25	17.54	17.77	18.29	16.15	16.40	16.69	16.92	17.44
12H	4H	16.73	17.17	17.22	17.62	18.14	15.76	16.20	16.25	16.65	17.17
	6H	16.77	17.10	17.30	17.62	18.12	15.85	16.17	16.38	16.70	17.19
	8H	16.86	17.12	17.40	17.63	18.16	15.98	16.23	16.52	16.75	17.27
Variation with the observer position at spacings:											
S = 1.0H		3.7/-4.5					3.7/-4.5				
S = 1.5H		6.0/-6.5					6.0/-6.5				
S = 2.0H		8.0/-6.4					8.0/-6.4				
Standard tables:		BK1					BK1				
Uncorrected UGR		-2.8					-2.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: no frame flex sm a cob serie 3 e fc

LampCAT: modulo led 6W 3000K irc 90

Ballast type: led driver 180mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0610

Number of Lamps: 1

Power (W): 7.6500

Lamp flux(lm): 690.0

PF: 0.9900

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 431.09, Efficiency(%): 62.48% , Luminous Efficacy(lm/W): 56.35

Central intensity(cd): 2087.448, Maximum intensity(cd): 2087.448

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

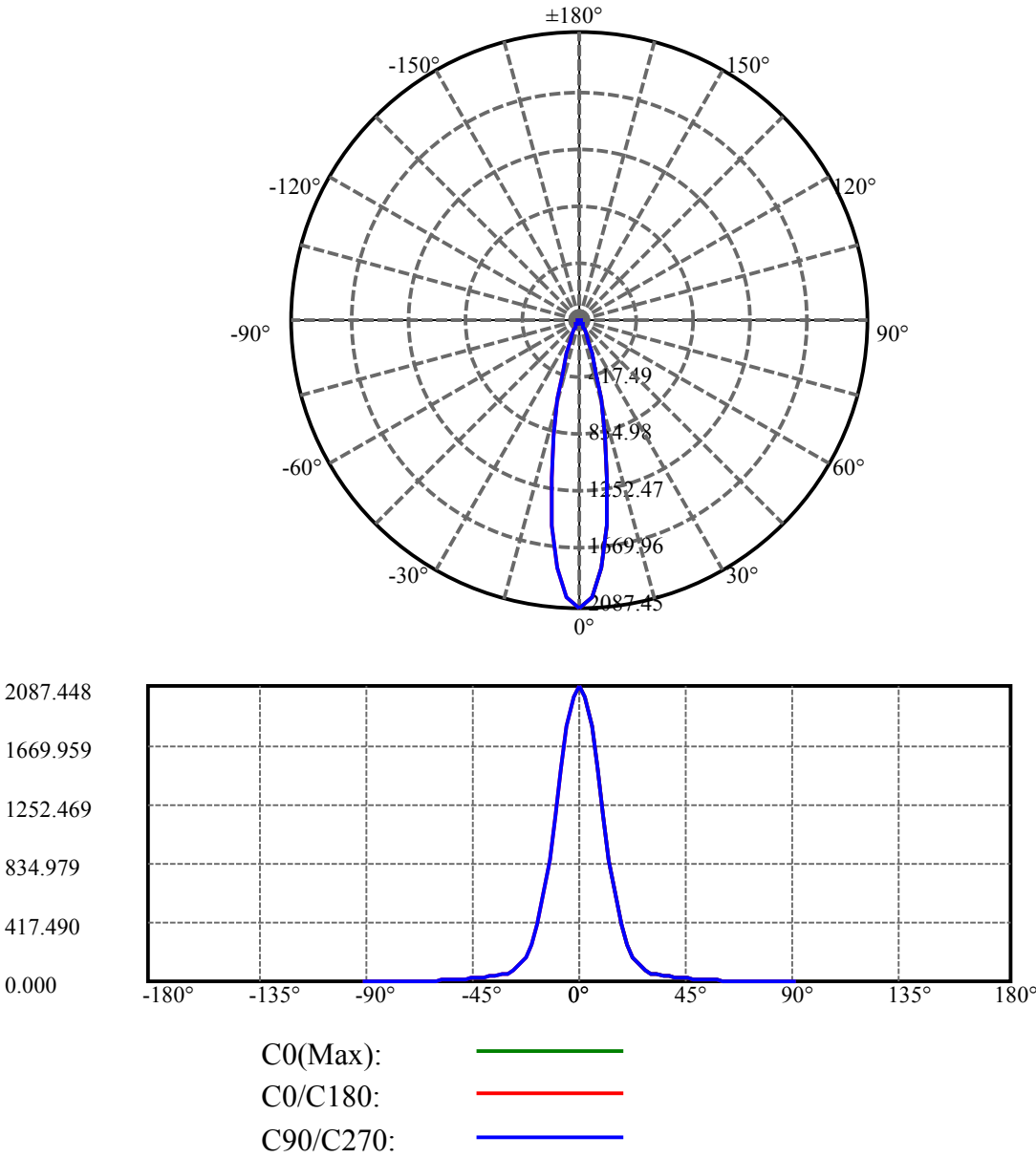
Beam angle of C0 plane : 21.80

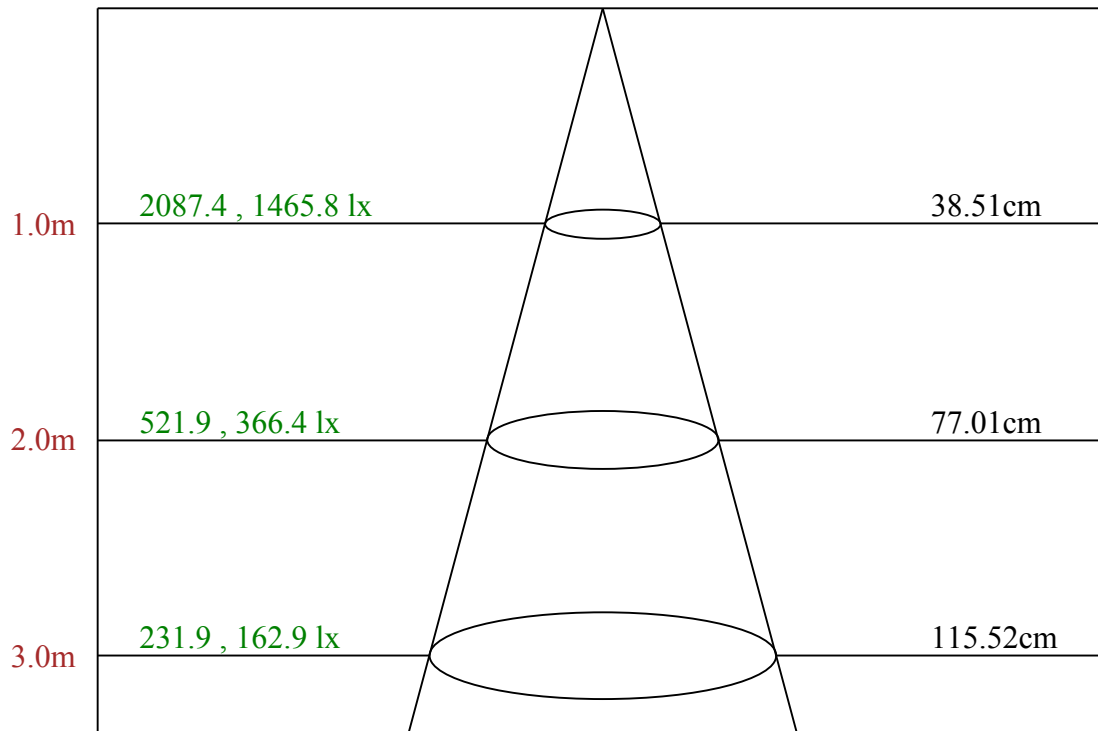
Average BeamAngle(IEC 61341): 21.80

Equipment: equipamento lumini
Temperature(°C): 25.5

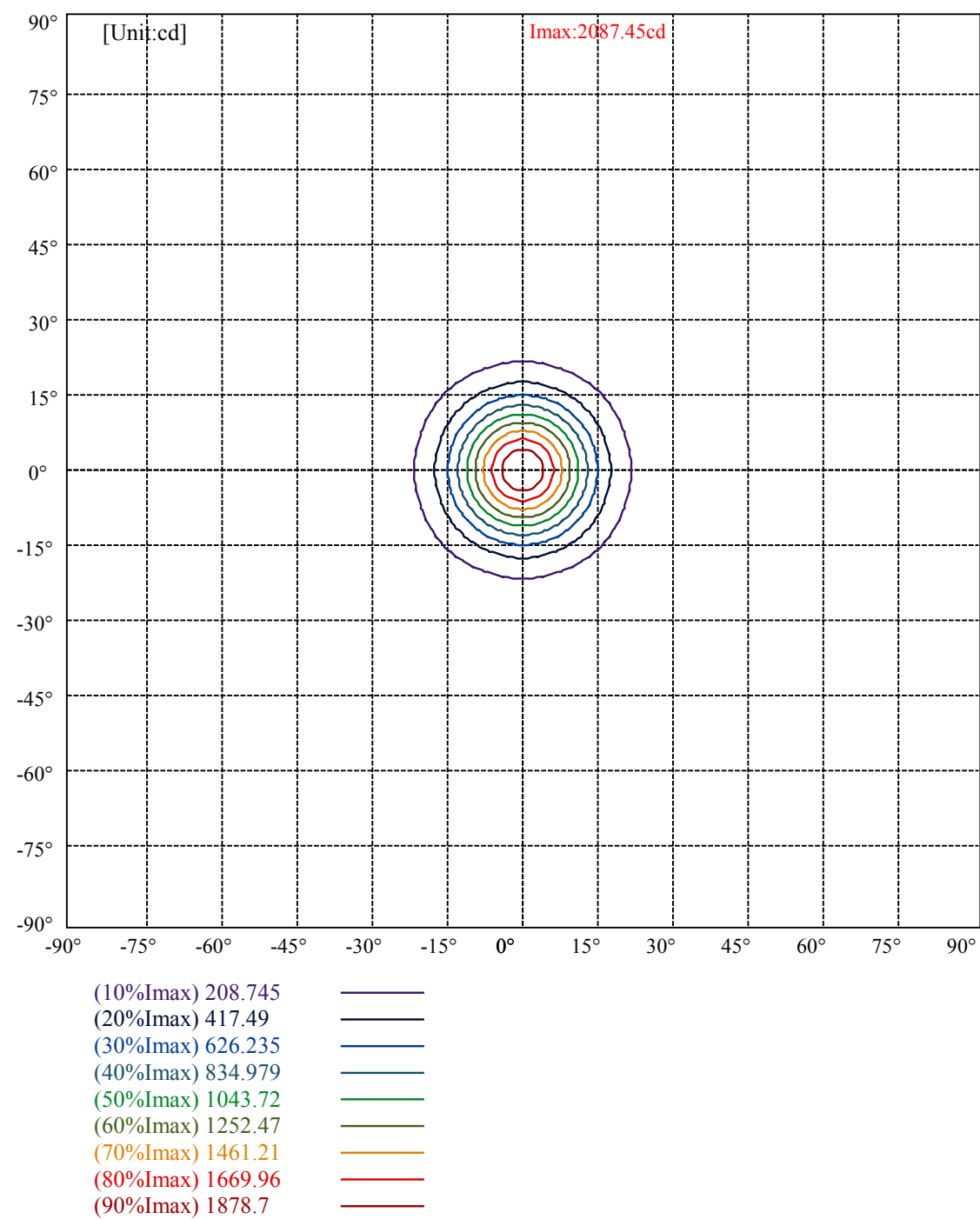
Date: 5/14/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 21.80



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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	9549	7339	5248	3282	1927	1369	1581	2266	4334
C45	9549	7339	5248	3282	1927	1369	1581	2266	4334
C90	9549	7339	5248	3282	1927	1369	1581	2266	4334

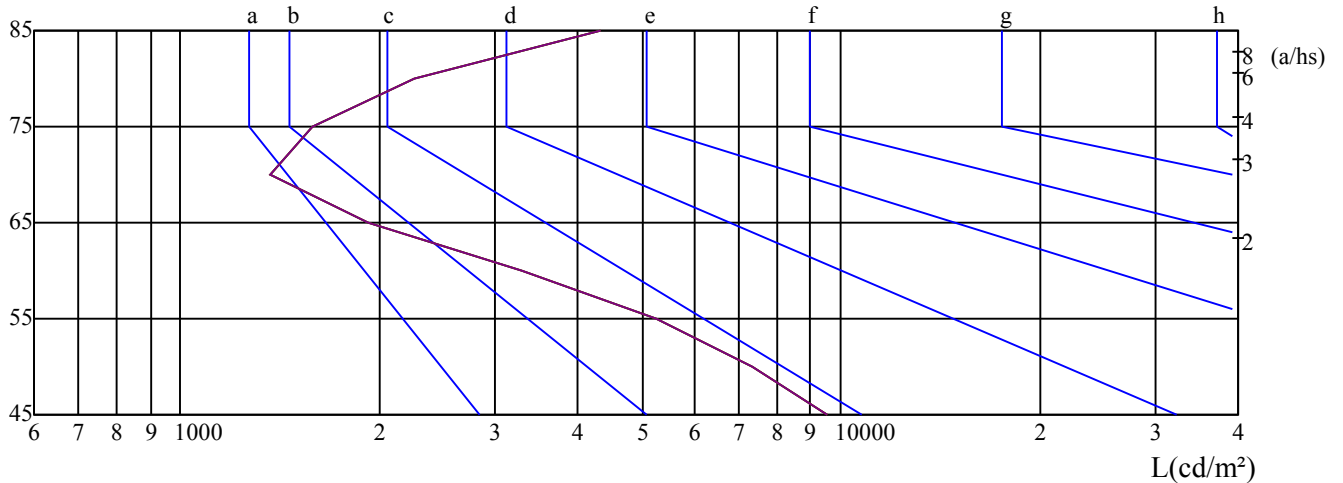
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1927	1927	1927	1581	1581	1581	4334	4334	4334

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: 5/14/2024
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	14.01	14.99	14.38	15.30	15.62	13.22	14.19	13.58	14.50	14.82
	3H	13.96	14.83	14.35	15.17	15.51	13.19	14.06	13.58	14.39	14.74
	4H	13.93	14.73	14.33	15.09	15.46	13.18	13.98	13.58	14.34	14.71
	6H	13.98	14.71	14.40	15.09	15.49	13.26	13.99	13.68	14.37	14.77
	8H	14.01	14.71	14.43	15.09	15.50	13.32	14.02	13.74	14.40	14.81
	12H	14.13	14.79	14.55	15.18	15.60	13.45	14.11	13.88	14.51	14.93
4H	2H	13.98	14.78	14.38	15.14	15.50	13.26	14.06	13.66	14.42	14.78
	3H	13.94	14.61	14.36	15.00	15.42	13.25	13.92	13.68	14.31	14.73
	4H	13.98	14.56	14.42	14.98	15.43	13.32	13.90	13.76	14.32	14.77
	6H	14.05	14.56	14.53	15.02	15.47	13.44	13.95	13.91	14.40	14.86
	8H	14.17	14.64	14.66	15.10	15.58	13.59	14.06	14.08	14.52	15.00
	12H	14.42	14.86	14.91	15.31	15.83	13.87	14.30	14.36	14.75	15.27
8H	4H	13.86	14.33	14.35	14.79	15.26	13.22	13.69	13.71	14.15	14.63
	6H	14.02	14.41	14.53	14.89	15.40	13.45	13.83	13.95	14.31	14.83
	8H	14.29	14.61	14.82	15.13	15.63	13.76	14.08	14.29	14.60	15.10
	12H	14.71	14.96	15.25	15.48	16.00	14.21	14.46	14.76	14.98	15.50
12H	4H	13.83	14.27	14.32	14.72	15.24	13.20	13.63	13.69	14.09	14.61
	6H	14.07	14.40	14.61	14.92	15.42	13.51	13.83	14.04	14.36	14.85
	8H	14.35	14.60	14.89	15.12	15.64	13.84	14.09	14.38	14.61	15.13
Variation with the observer position at spacings:											
S = 1.0H		1.2/-2.0					1.2/-2.0				
S = 1.5H		2.5/-3.9					2.5/-3.9				
S = 2.0H		4.7/-4.1					4.7/-4.1				
Standard tables:		BK2					BK2				
Uncorrected UGR		-4.7					-4.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: no frame flex sm a cob serie 3 e fm

LampCAT: modulo led 6W 3000K irc 90

Ballast type: led driver 180mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0600

Number of Lamps: 1

Power (W): 7.6600

Lamp flux(lm): 690.0

PF: 0.9900

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 518.75, Efficiency(%): 75.18% , Luminous Efficacy(lm/W): 67.72

Central intensity(cd): 1645.592, Maximum intensity(cd): 1645.592

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

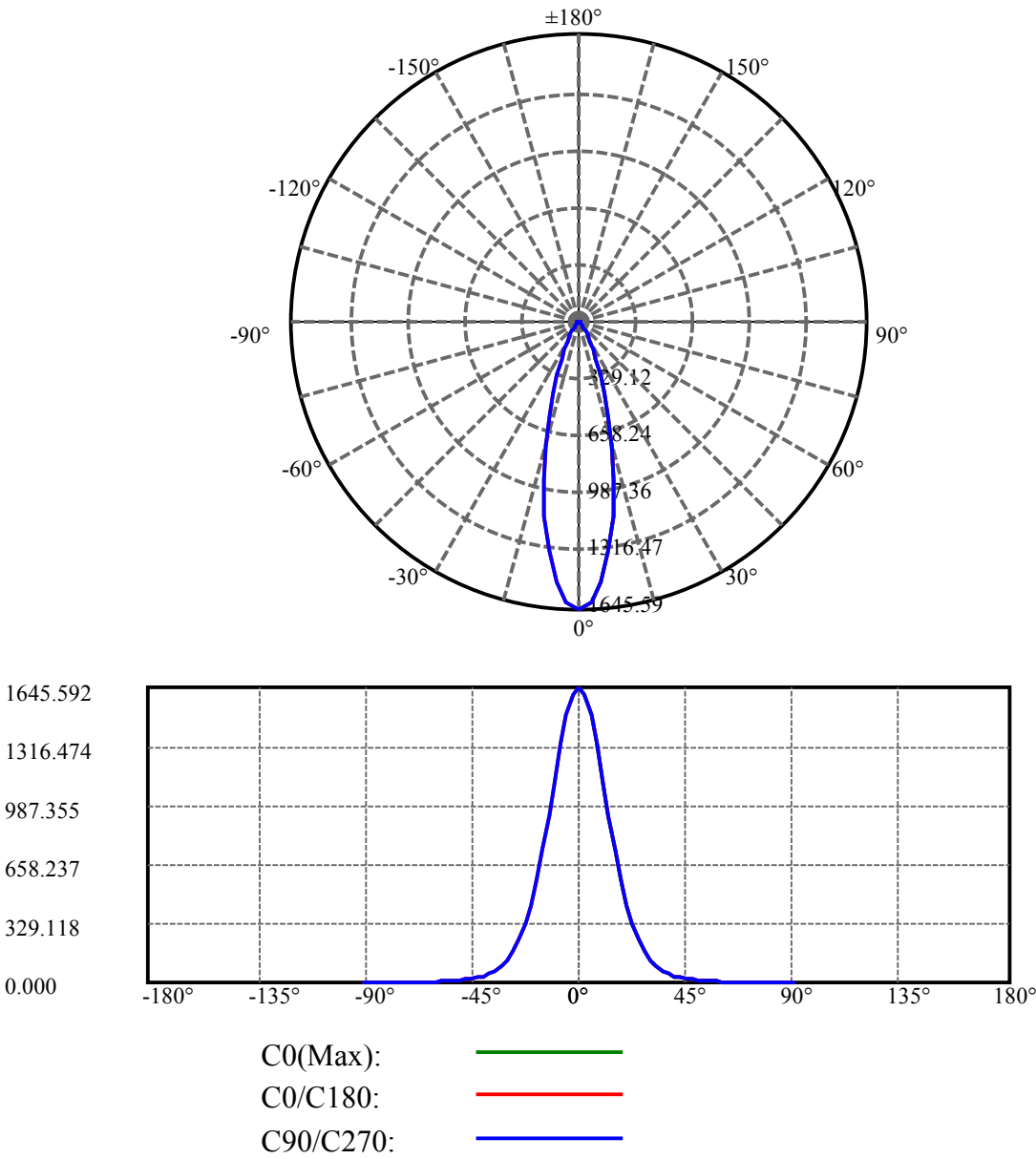
Beam angle of C0 plane : 27.56

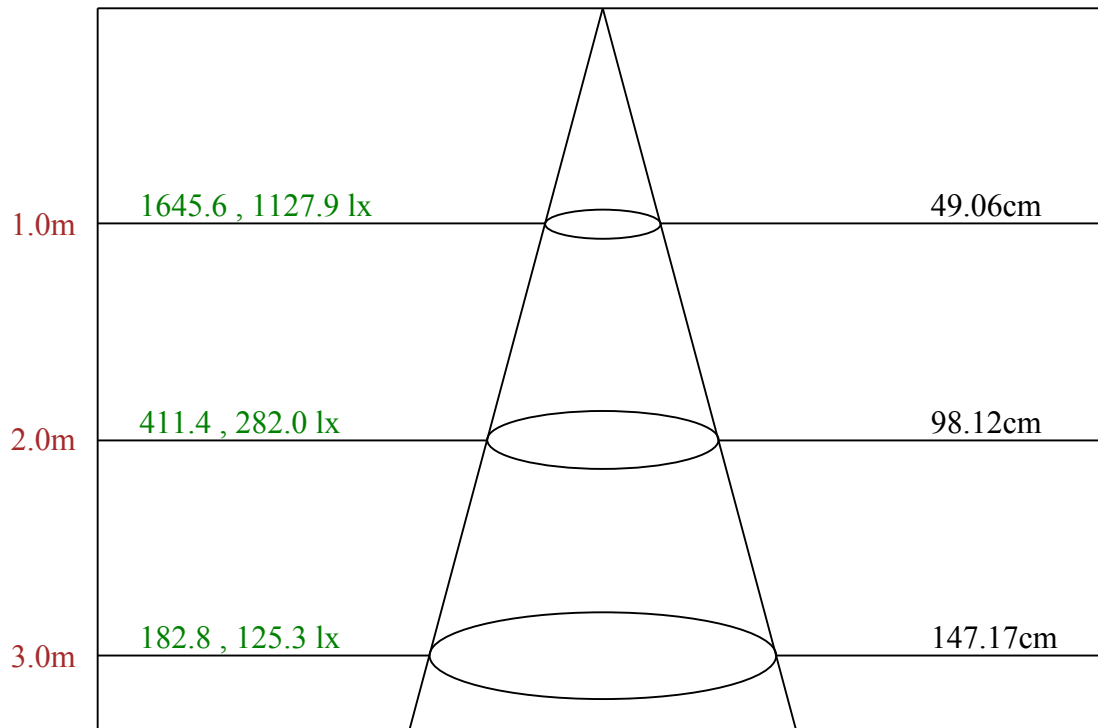
Aveage BeamAngle(IEC 61341):27.56

Equipment: equipamento lumini
Temperature(°C): 25.5

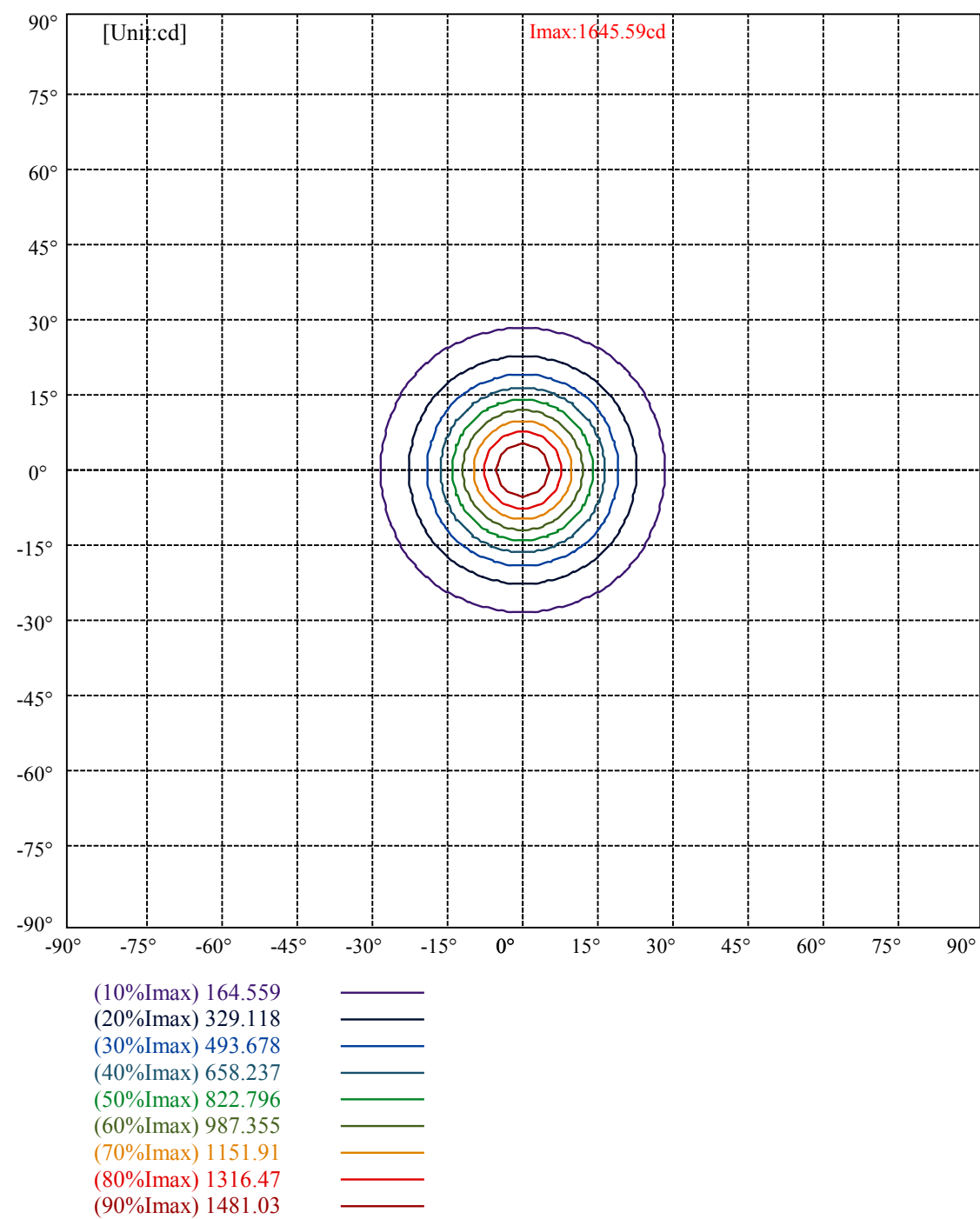
Date: 5/15/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 27.56



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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	9404	6134	4174	2778	1741	1473	1779	2560	4876
C45	9404	6134	4174	2778	1741	1473	1779	2560	4876
C90	9404	6134	4174	2778	1741	1473	1779	2560	4876

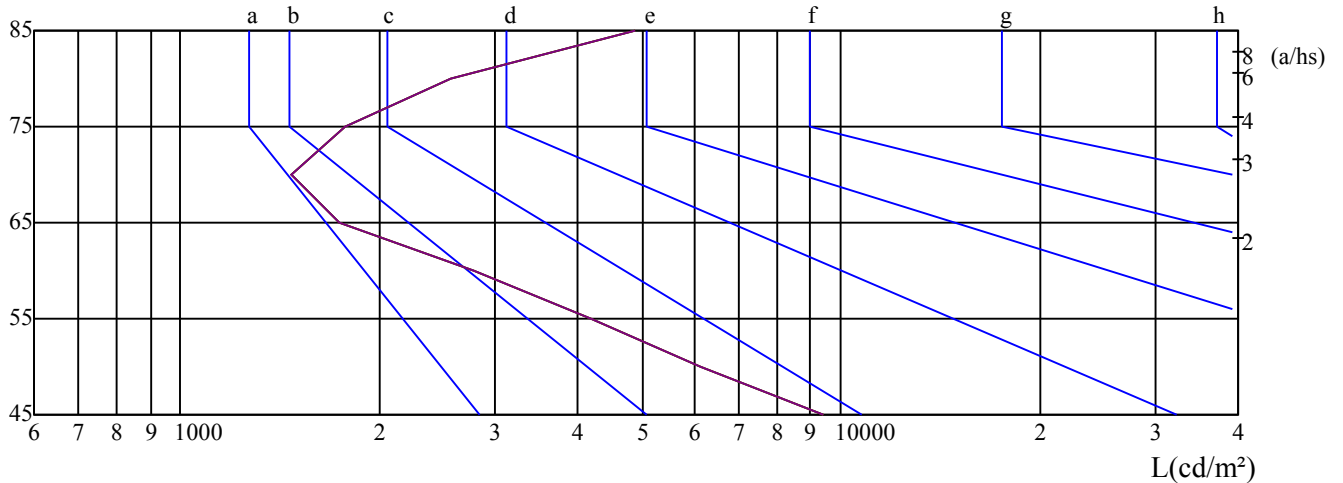
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1741	1741	1741	1779	1779	1779	4876	4876	4876

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: 5/15/2024
Humidity(%): 55.0%

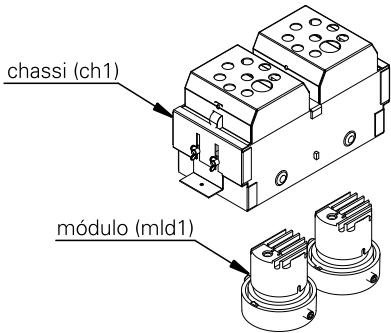
Operator: 01
Distance(m): 6.90

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	15.71	16.66	16.07	16.97	17.29	14.61	15.57	14.98	15.88	16.20
	3H	15.57	16.42	15.95	16.75	17.10	14.51	15.36	14.90	15.70	16.04
	4H	15.51	16.29	15.91	16.65	17.02	14.48	15.26	14.88	15.61	15.98
	6H	15.51	16.22	15.93	16.60	17.00	14.52	15.23	14.93	15.61	16.01
	8H	15.51	16.19	15.93	16.58	16.98	14.54	15.23	14.96	15.61	16.02
	12H	15.55	16.20	15.98	16.59	17.01	14.63	15.27	15.05	15.67	16.09
4H	2H	15.51	16.29	15.91	16.65	17.01	14.47	15.25	14.87	15.61	15.97
	3H	15.36	16.02	15.79	16.41	16.83	14.37	15.03	14.80	15.42	15.84
	4H	15.37	15.93	15.80	16.36	16.80	14.40	14.97	14.84	15.39	15.84
	6H	15.37	15.87	15.85	16.33	16.78	14.48	14.98	14.95	15.43	15.88
	8H	15.44	15.91	15.93	16.37	16.84	14.59	15.05	15.08	15.51	15.99
	12H	15.60	16.02	16.09	16.48	17.00	14.80	15.23	15.29	15.68	16.20
8H	4H	15.22	15.68	15.70	16.14	16.61	14.28	14.74	14.76	15.20	15.67
	6H	15.29	15.67	15.80	16.15	16.66	14.44	14.81	14.94	15.29	15.81
	8H	15.48	15.80	16.02	16.32	16.82	14.69	15.01	15.23	15.53	16.03
	12H	15.77	16.01	16.31	16.53	17.05	15.06	15.30	15.60	15.82	16.34
12H	4H	15.18	15.61	15.67	16.06	16.58	14.25	14.67	14.74	15.12	15.65
	6H	15.32	15.64	15.86	16.16	16.66	14.49	14.80	15.02	15.33	15.82
	8H	15.52	15.77	16.07	16.28	16.81	14.76	15.00	15.30	15.52	16.04
Variation with the observer position at spacings:											
S = 1.0H		3.7/-4.1					3.7/-4.1				
S = 1.5H		5.9/-4.9					5.9/-4.9				
S = 2.0H		7.5/-4.5					7.5/-4.5				
Standard tables:		BK2					BK2				
Uncorrected UGR		-4.2					-4.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25

no frame

no frame flex sm b cob e
no frame flex sm b cob série 3 e



especificações técnicas

fonte de luz
módulo led integrado (incluso)

índice de proteção
IP20 - luminária para uso interno

peso
no frame flex sm b cob e - 0,9 kg
no frame flex sm b cob série 3 e - 0,9 kg

cuidados com o produto
o produto deve ser manuseado com cuidado para evitar riscos e deformações.

para limpeza, utilize detergente neutro e um pano de algodão macio. finalize com um pano de algodão seco.

instalação

conteúdo da embalagem
1 luminária

ferramentas necessárias
chave philips

informações importantes
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

antes de iniciar a instalação, certifique-se que a energia elétrica esteja desligada.

retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

atenção

leia atentamente todas as instruções relacionadas ao seu produto antes de utilizá-lo.

antes de iniciar a instalação, certifique-se que a energia elétrica esteja desligada.

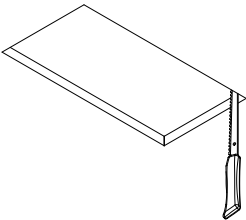
não são permitidas modificações no produto, esse deve atender à finalidade para a qual foi projetado e ser utilizado de acordo com as especificações técnicas.

em caso de dúvidas, entre em contato com o fabricante.

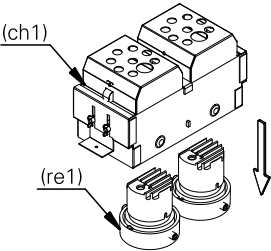
instalação passo a passo



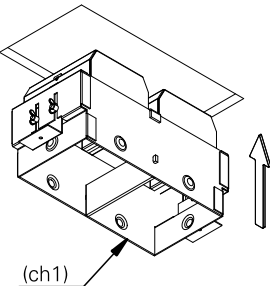
1. faça um nicho no forro conforme a tabela abaixo:
no frame flex sm cob b e - nicho = 96x186



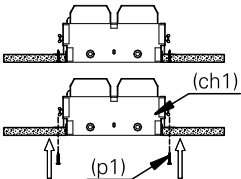
2. retire o módulo (mld1) do chassi (ch1).



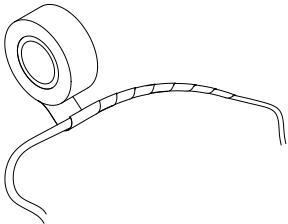
3. encaixe o chassi (ch1) no nicho.



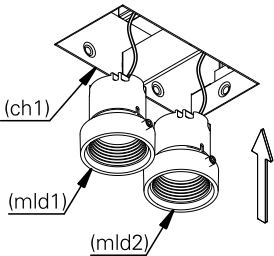
4. utilize os parafusos (p1) para fixar o chassi (ch1) e de o acabamento no forro com gesso, não deixando o parafuso aparente. espere a secagem do gesso para prosseguir a próxima etapa.



5. faça a ligação elétrica. isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



6. encaixe a luminária (lu1) no módulo (mld1). encaixe o corpo (co1) no chassi (ch1).



7. a luminária após instalada deverá ficar como ilustrado na imagem. ligue a rede elétrica e teste o seu funcionamento.

