



concentra flex 50 c

linha de luminárias embutidas ou aplicadas, em perfil de alumínio extrudado, para tecnologia led. permite instalação em forro de gesso, alvenaria, laje, marcenaria ou trilho, com opções de facho fixos e orientáveis. sua principal característica é o excelente controle antiofuscamento, eficiência luminosa e tamanhos reduzidos.

informações técnicas

fonte de luz
LED integrado

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

vida útil
50.000h

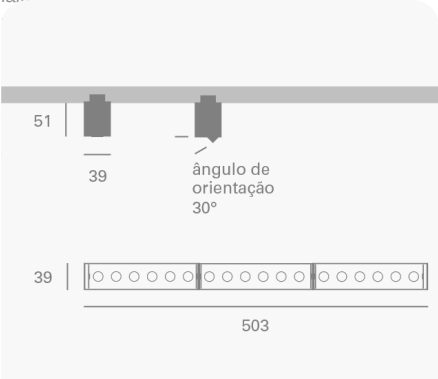
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
18	concentrado	2700		
18	médio	2700		
18	aberto	2700		
18	concentrado	3000	2145	1555
18	médio	3000	2145	1644
18	aberto	3000	2145	1350
18	concentrado	4000		
18	médio	4000		
18	aberto	4000		
36	concentrado	2700		
36	médio	2700		
36	aberto	2700		
36	concentrado	3000	4072	2842
36	médio	3000	4072	2941
36	aberto	3000	4072	2270
36	concentrado	4000		
36	médio	4000		
36	aberto	4000		

equipamentos
LED driver 700mA (incluso, ponto remoto)

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

instalação
forro de gesso
laje



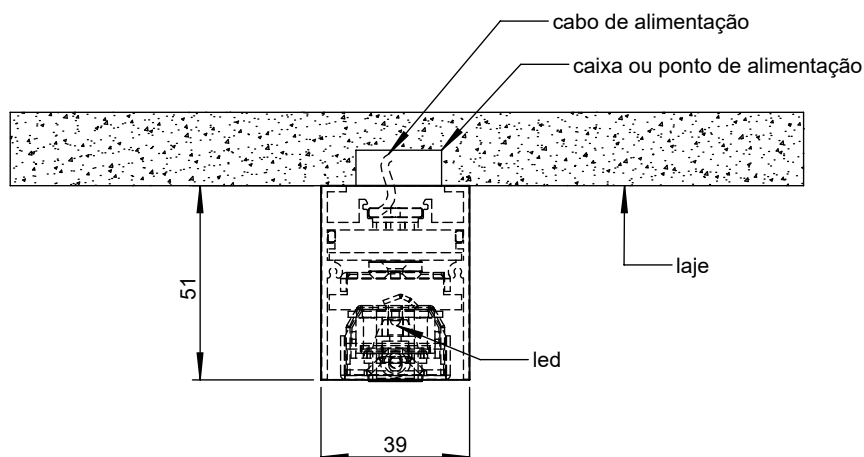
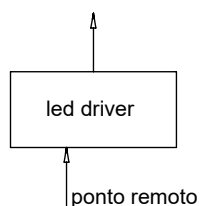
acabamentos e cores

cores



vista lateral

dimensões em milímetros



concentra flex 50 c

folha
1/1

escala
1:2

data
05/09/2024

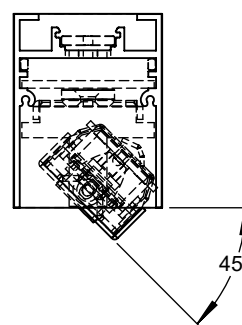
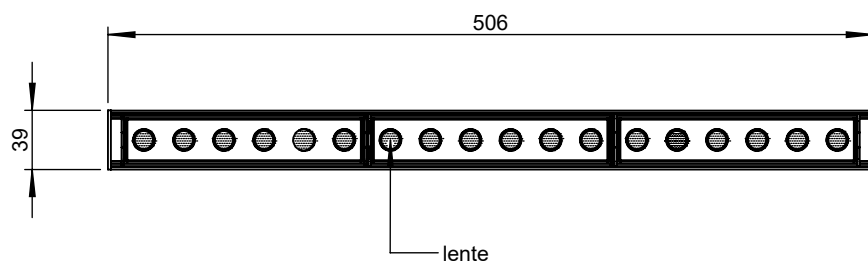
desenhista
emilson

aprovação
edmilson

revisões
05/09/2024

vista inferior

dimensões em milímetros



para maiores informações,
consulte a área técnica
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LumCAT:

Luminaire: concentra flex 50 c serie 3 fc

LampCAT: 3x modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7000

Test No:

Current(A): 0.1580

Number of Lamps: 1

Power (W): 19.8920

Lamp flux(lm): 2145.0

PF: 0.9890

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1555.44, Efficiency(%): 72.51% , Luminous Efficacy(lm/W): 78.19

Central intensity(cd): 8847.616, Maximum intensity(cd): 8847.616

Angle of maximum intensity: C=0.0 γ =0.0

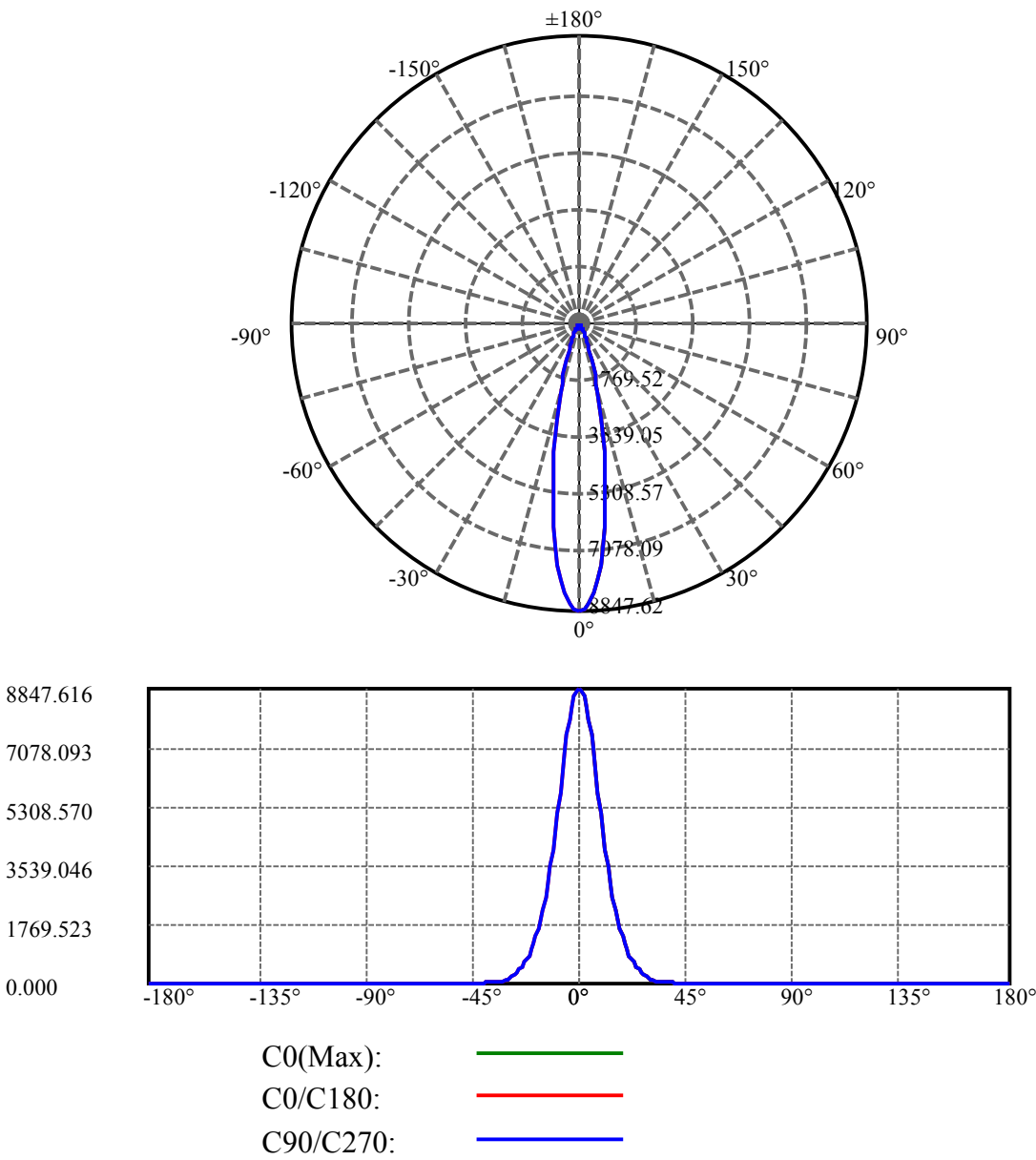
Beam angle of C0 plane : 20.45

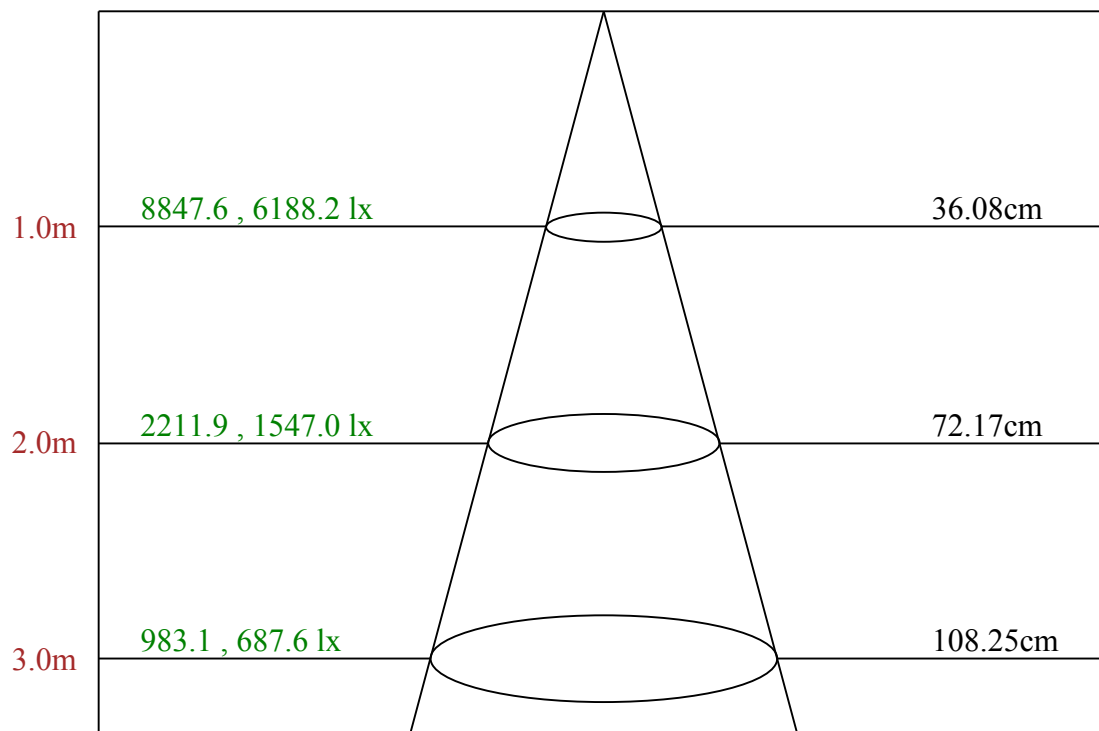
Aveage BeamAngle(IEC 61341):20.45

Equipment: equipamento lumini
Temperature(°C): 25.5

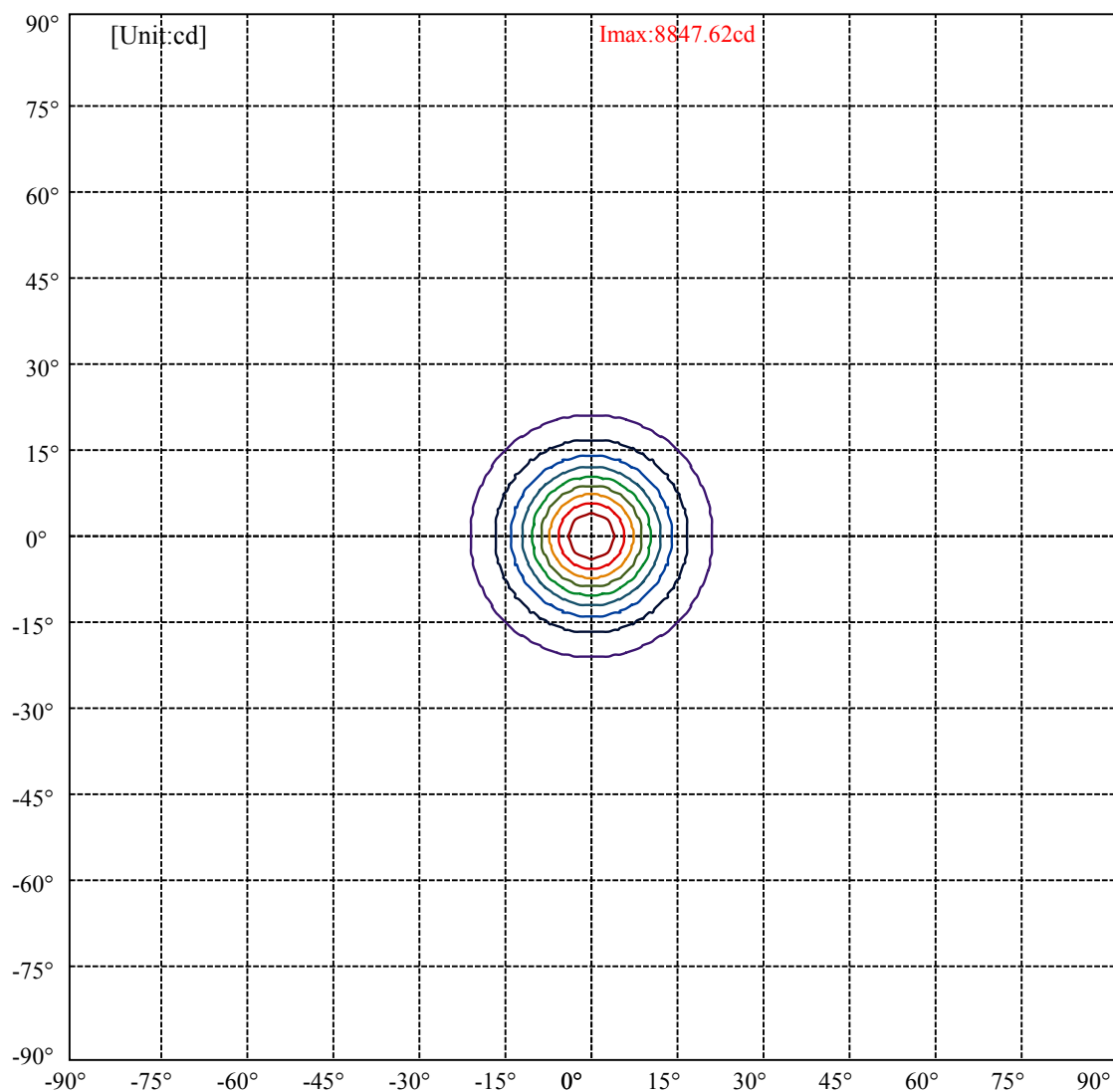
Date: 16/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.45



(10%Imax) 884.762	—
(20%Imax) 1769.52	—
(30%Imax) 2654.28	—
(40%Imax) 3539.05	—
(50%Imax) 4423.81	—
(60%Imax) 5308.57	—
(70%Imax) 6193.33	—
(80%Imax) 7078.09	—
(90%Imax) 7962.85	—

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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	1048	787	603	551	586	675	858	1252	2449
C45	1048	787	603	551	586	675	858	1252	2449
C90	1048	787	603	551	586	675	858	1252	2449

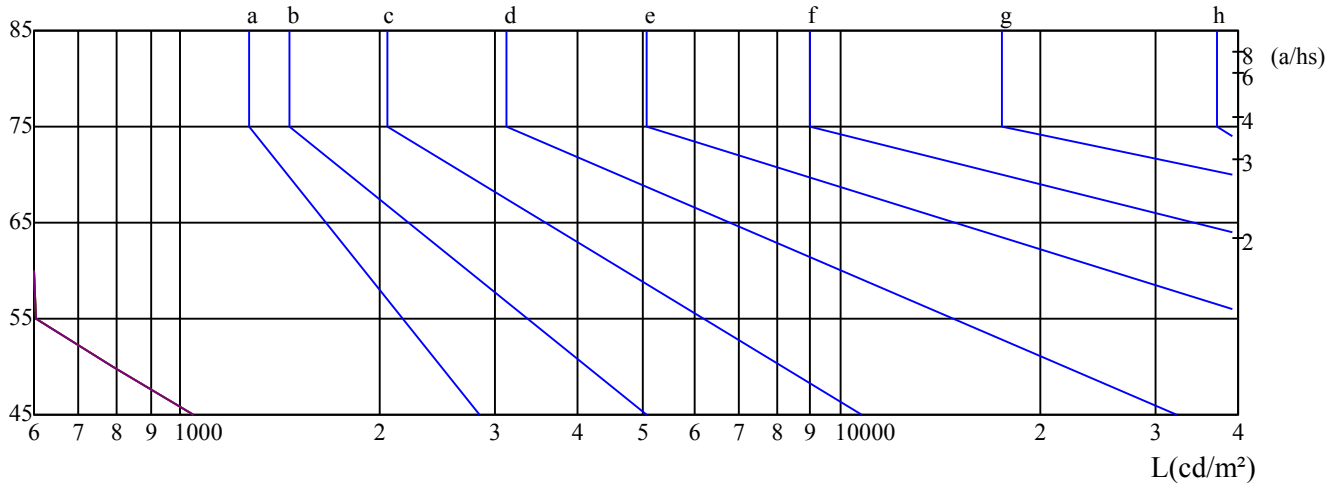
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
586	586	586	858	858	858	2449	2449	2449

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($^{\circ}\text{C}$): 25.5

Date: 16/05/2025
Humidity(%): 60.0%

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	4.33	5.22	4.73	5.58	5.95	2.95	3.84	3.35	4.20	4.57
	3H	4.84	5.63	5.26	6.01	6.41	3.68	4.47	4.10	4.85	5.25
	4H	5.33	6.07	5.78	6.47	6.89	4.32	5.06	4.77	5.46	5.88
	6H	6.16	6.83	6.62	7.25	7.70	5.35	6.02	5.81	6.44	6.89
	8H	6.74	7.38	7.20	7.81	8.26	6.04	6.68	6.50	7.10	7.56
	12H	7.51	8.12	7.98	8.56	9.02	6.92	7.52	7.38	7.96	8.43
4H	2H	4.27	5.01	4.71	5.41	5.82	3.02	3.76	3.46	4.16	4.58
	3H	5.02	5.63	5.48	6.07	6.54	4.04	4.66	4.50	5.09	5.56
	4H	5.80	6.33	6.27	6.79	7.29	4.99	5.53	5.47	5.99	6.49
	6H	6.90	7.37	7.41	7.86	8.36	6.29	6.76	6.80	7.26	7.76
	8H	7.70	8.13	8.22	8.63	9.15	7.18	7.62	7.71	8.12	8.64
	12H	8.72	9.12	9.24	9.61	10.18	8.28	8.68	8.81	9.17	9.74
8H	4H	6.06	6.49	6.58	6.99	7.51	5.36	5.80	5.89	6.30	6.82
	6H	7.47	7.83	8.02	8.35	8.91	6.99	7.34	7.53	7.86	8.42
	8H	8.55	8.84	9.11	9.40	9.94	8.15	8.44	8.72	9.00	9.55
	12H	9.83	10.06	10.41	10.61	11.18	9.50	9.72	10.08	10.28	10.85
12H	4H	6.15	6.55	6.67	7.04	7.60	5.49	5.89	6.01	6.38	6.95
	6H	7.72	8.02	8.29	8.58	9.12	7.28	7.57	7.85	8.13	8.68
	8H	8.87	9.10	9.45	9.65	10.22	8.52	8.74	9.10	9.30	9.86
Variation with the observer position at spacings:											
S = 1.0H		1.7/-1.2					1.7/-1.2				
S = 1.5H		2.0/-1.3					2.0/-1.3				
S = 2.0H		2.2/-1.2					2.2/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-8.8					-8.8				

依据CIE Publ. 117 计算 UGR，S/H = 0.25



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LumCAT:

Luminaire: concentra flex 50 c serie 3 fm

LampCAT: 3x modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7400

Test No:

Current(A): 0.1580

Number of Lamps: 1

Power (W): 19.9040

Lamp flux(lm): 2145.0

PF: 0.9890

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1644.28, Efficiency(%): 76.66% , Luminous Efficacy(lm/W): 82.61

Central intensity(cd): 6464.248, Maximum intensity(cd): 6464.248

Angle of maximum intensity: C=0.0 γ =0.0

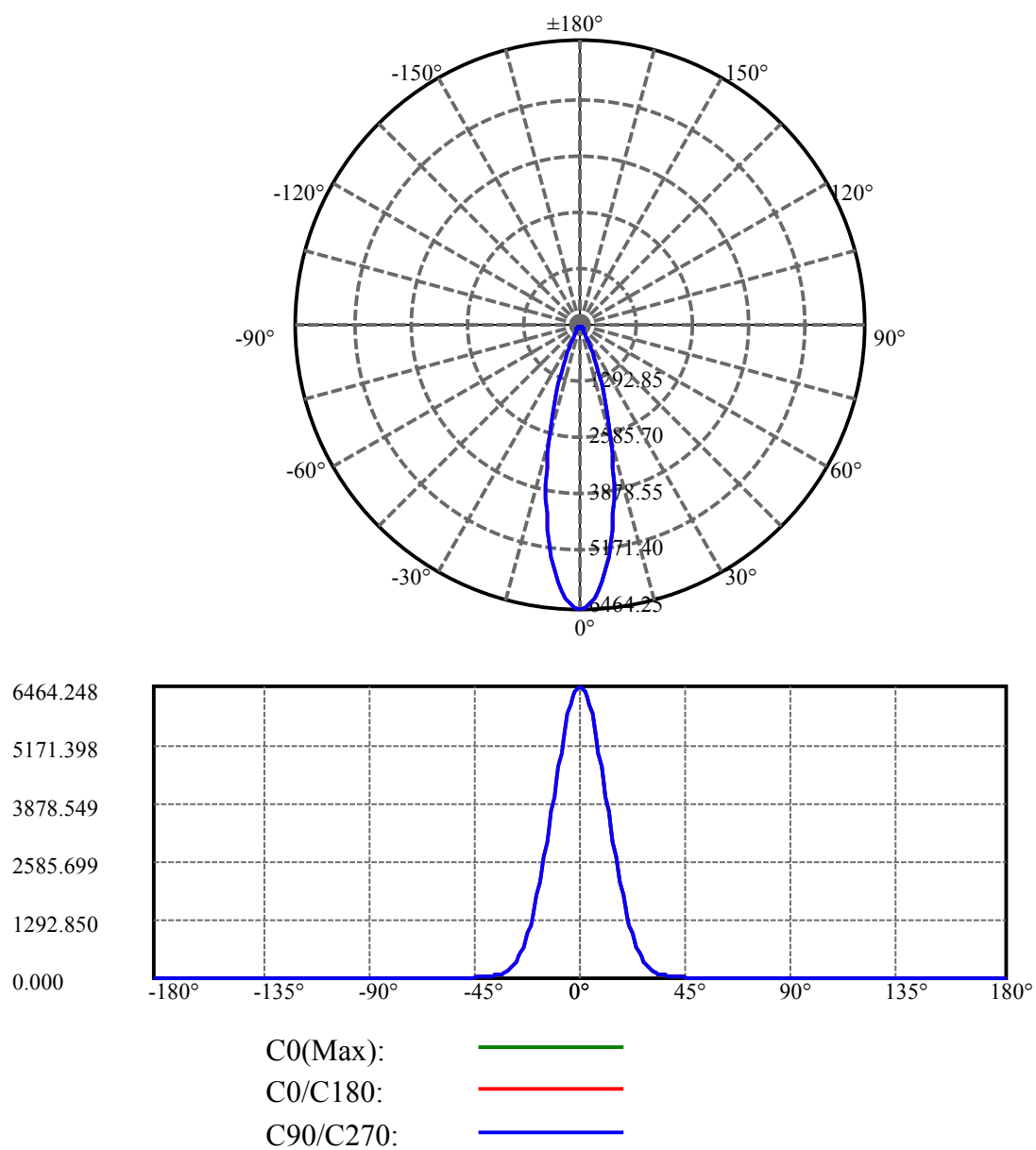
Beam angle of C0 plane : 26.67

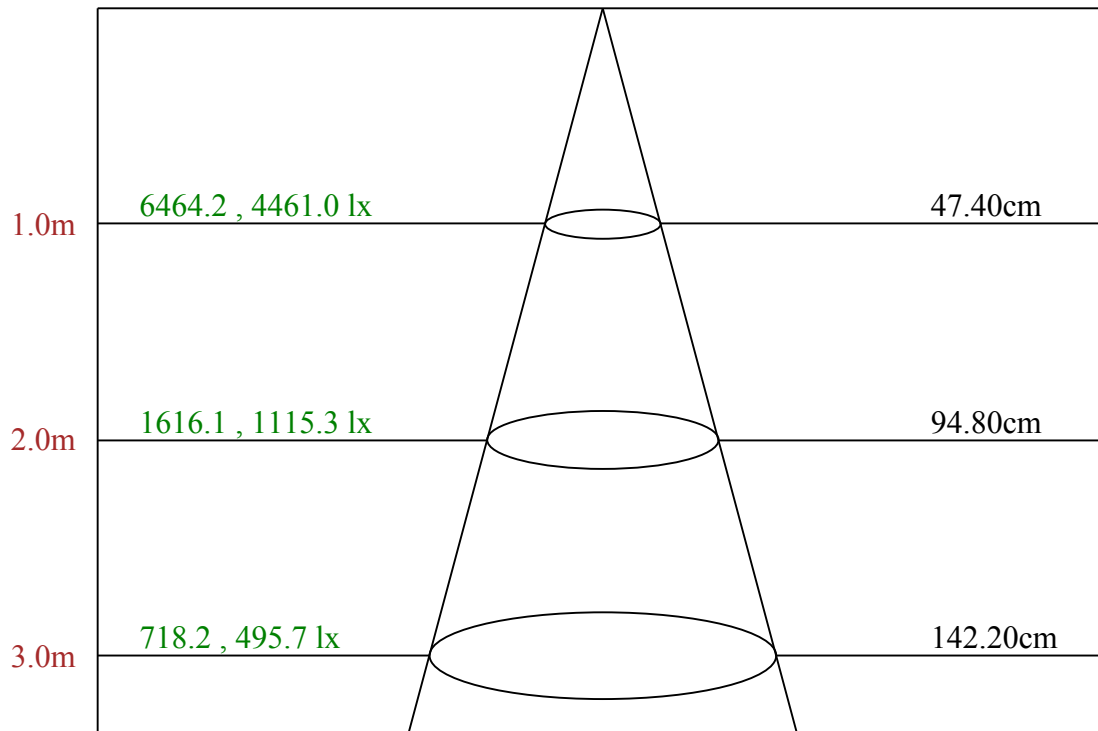
Average BeamAngle(IEC 61341): 26.67

Equipment: equipamento lumini
Temperature(°C): 25.5

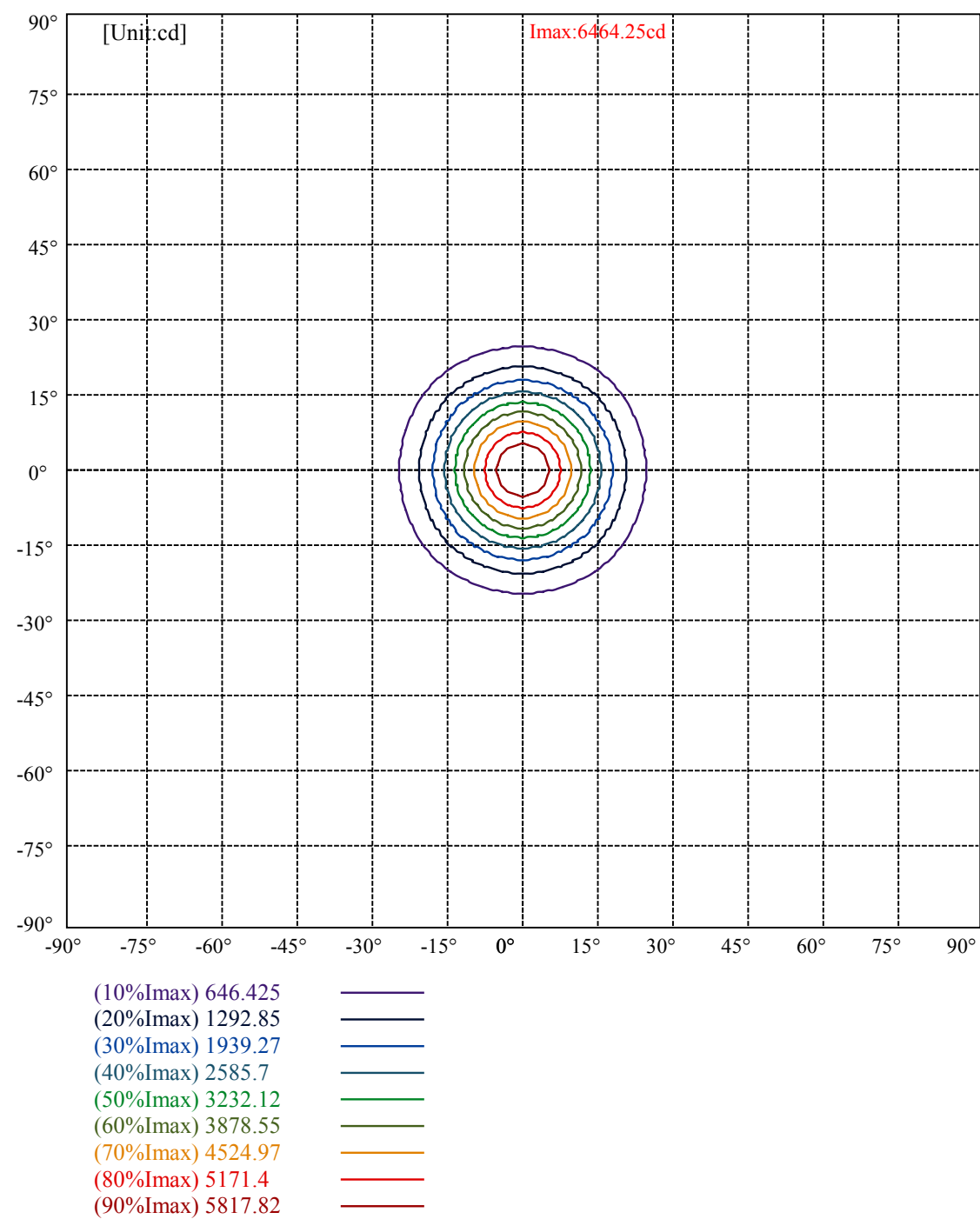
Date: 17/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 26.67



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

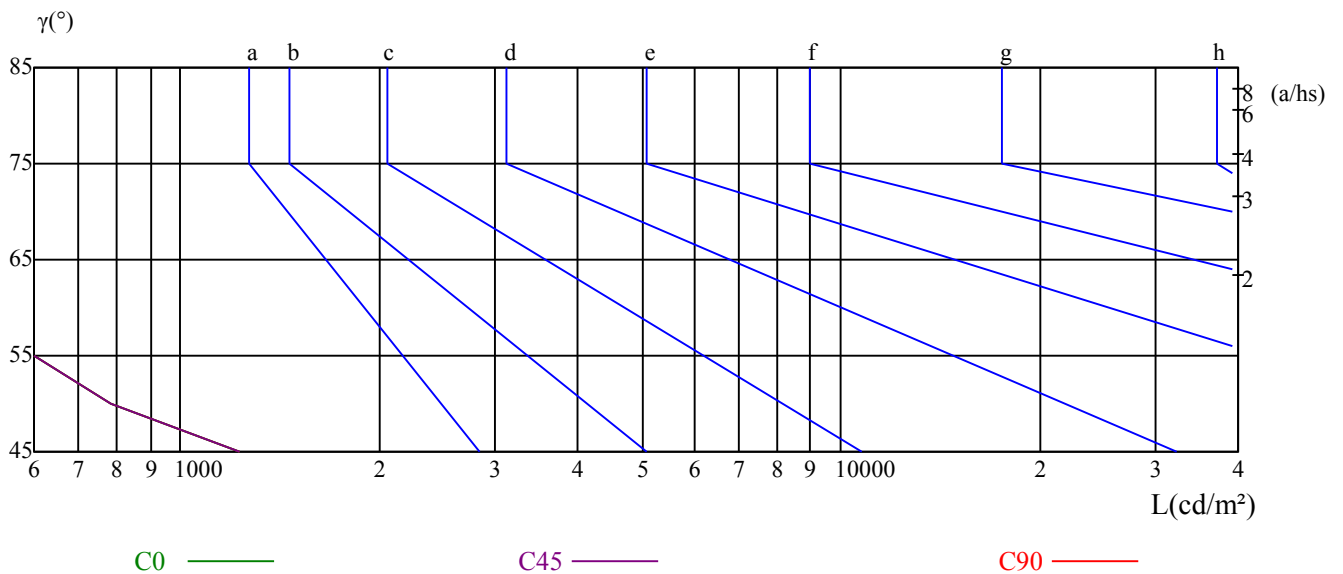
γ	45	50	55	60	65	70	75	80	85
C0	1225	787	594	526	564	656	842	1232	2427
C45	1225	787	594	526	564	656	842	1232	2427
C90	1225	787	594	526	564	656	842	1232	2427

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
564	564	564	842	842	842	2427	2427	2427

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



Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 17/05/2025
Humidity(%): 60.0%

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	4.83	5.73	5.23	6.08	6.45	5.61	6.50	6.01	6.85	7.22
	3H	5.14	5.94	5.57	6.32	6.71	5.82	6.61	6.24	6.99	7.39
	4H	5.51	6.25	5.95	6.64	7.06	6.10	6.84	6.54	7.23	7.65
	6H	6.21	6.88	6.67	7.30	7.75	6.68	7.35	7.14	7.77	8.22
	8H	6.72	7.36	7.18	7.79	8.24	7.11	7.75	7.57	8.18	8.63
	12H	7.42	8.03	7.88	8.46	8.92	7.73	8.33	8.19	8.77	9.23
4H	2H	4.70	5.44	5.14	5.83	6.25	5.43	6.17	5.87	6.56	6.98
	3H	5.20	5.82	5.67	6.26	6.72	5.80	6.42	6.27	6.86	7.32
	4H	5.84	6.37	6.31	6.83	7.33	6.33	6.86	6.80	7.33	7.82
	6H	6.82	7.29	7.33	7.78	8.28	7.17	7.64	7.68	8.13	8.63
	8H	7.55	7.99	8.07	8.48	9.00	7.83	8.26	8.35	8.76	9.28
	12H	8.51	8.91	9.04	9.40	9.97	8.71	9.11	9.23	9.59	10.16
8H	4H	6.05	6.48	6.57	6.98	7.50	6.49	6.92	7.01	7.42	7.94
	6H	7.33	7.69	7.88	8.20	8.76	7.62	7.98	8.16	8.49	9.05
	8H	8.35	8.64	8.91	9.20	9.74	8.55	8.84	9.12	9.40	9.94
	12H	9.58	9.81	10.16	10.36	10.92	9.71	9.93	10.29	10.48	11.05
12H	4H	6.13	6.53	6.65	7.01	7.58	6.55	6.95	7.07	7.44	8.00
	6H	7.57	7.87	8.14	8.42	8.97	7.84	8.13	8.40	8.69	9.23
	8H	8.66	8.89	9.24	9.44	10.00	8.84	9.07	9.42	9.62	10.19
Variation with the observer position at spacings:											
S = 1.0H		3.0/-2.0					3.0/-2.0				
S = 1.5H		3.7/-1.7					3.7/-1.7				
S = 2.0H		4.2/-1.5					4.2/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-8.2					-8.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra flex 50 c serie 3 fa

LampCAT: 3x modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7700

Test No:

Current(A): 0.1570

Number of Lamps: 1

Power (W): 19.8800

Lamp flux(lm): 2145.0

PF: 0.9890

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1349.71, Efficiency(%): 62.92% , Luminous Efficacy(lm/W): 67.89

Central intensity(cd): 1758.475, Maximum intensity(cd): 1758.475

Angle of maximum intensity: C=0.0 γ =0.0

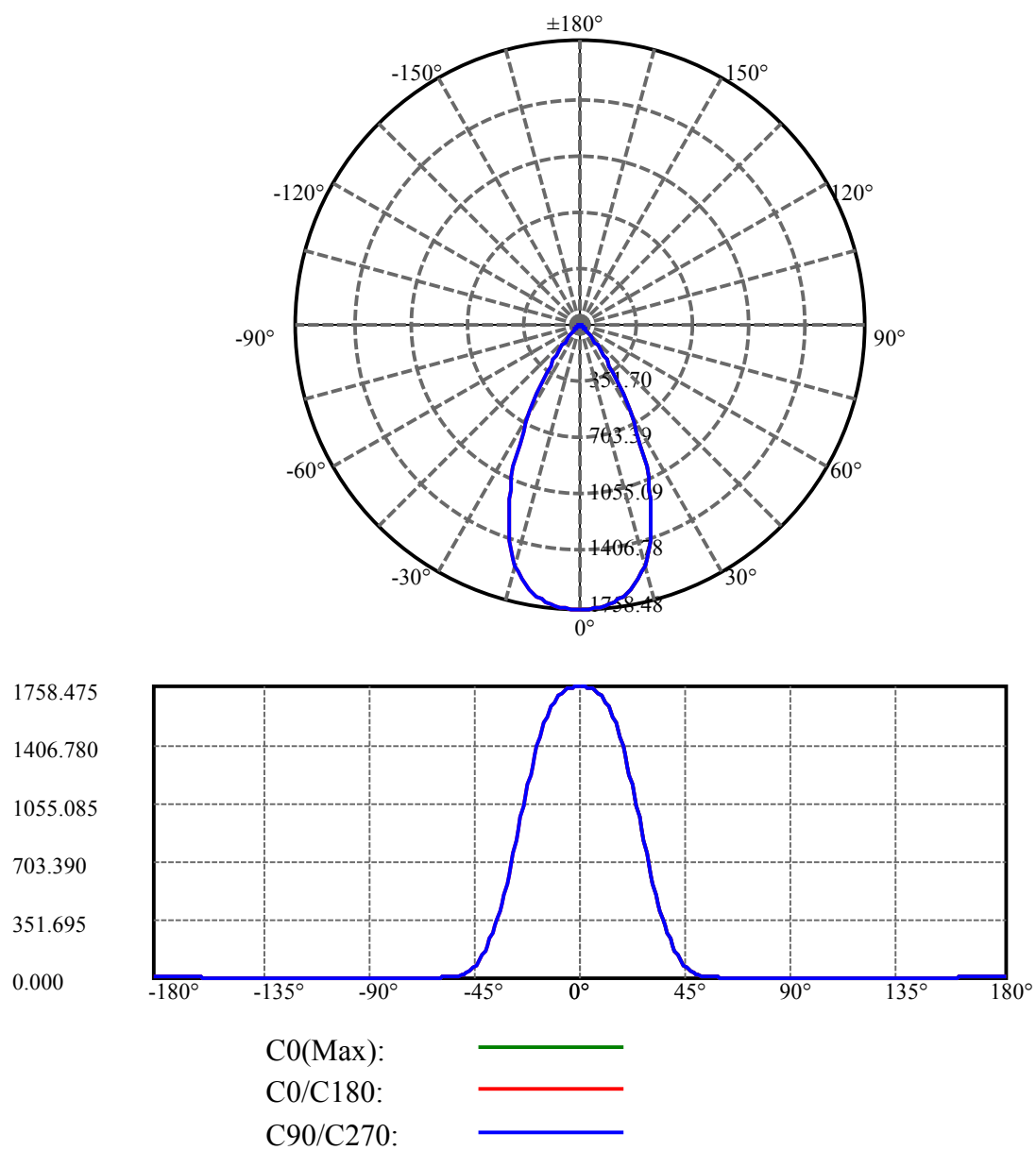
Beam angle of C0 plane : 52.39

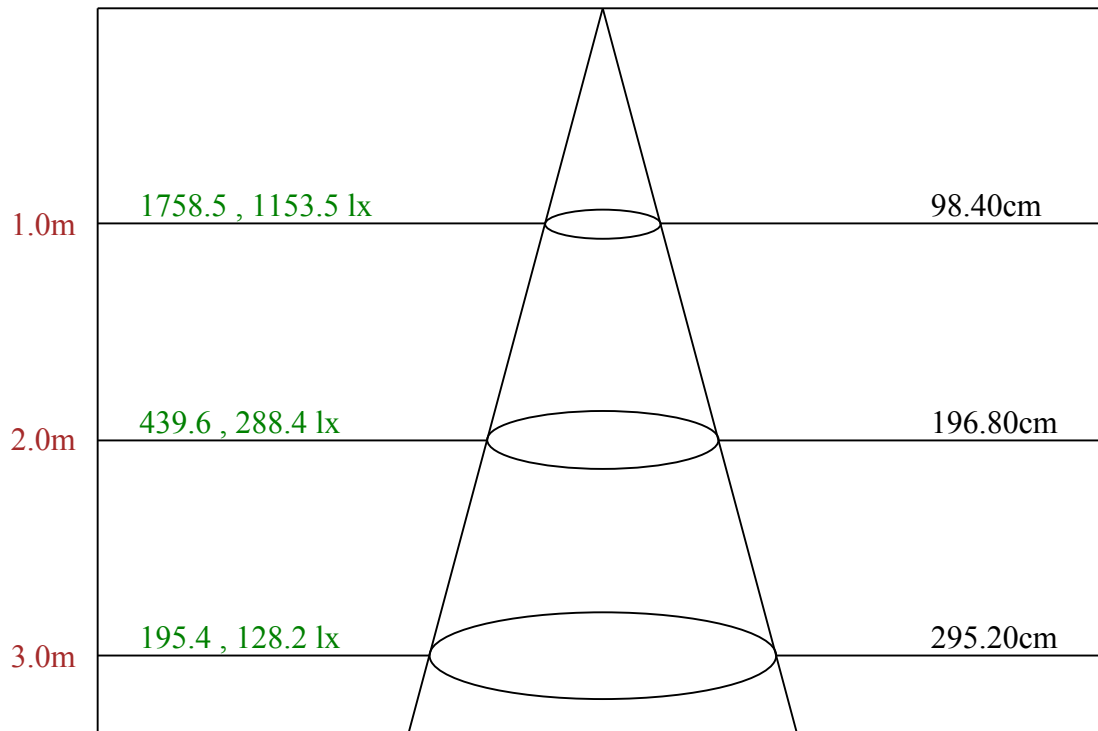
Average BeamAngle(IEC 61341): 52.39

Equipment: equipamento lumini
Temperature(°C): 25.5

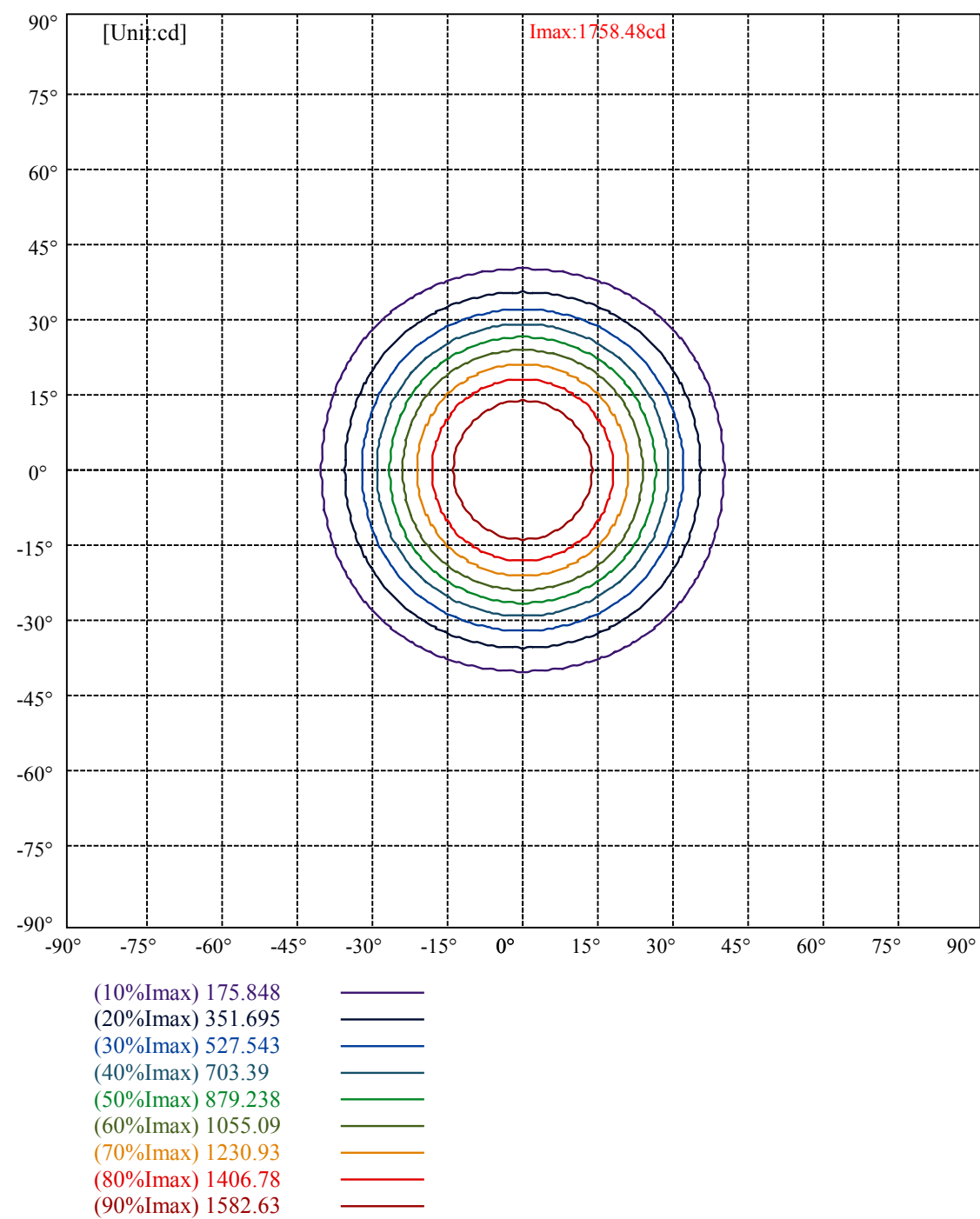
Date: 16/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 52.39



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

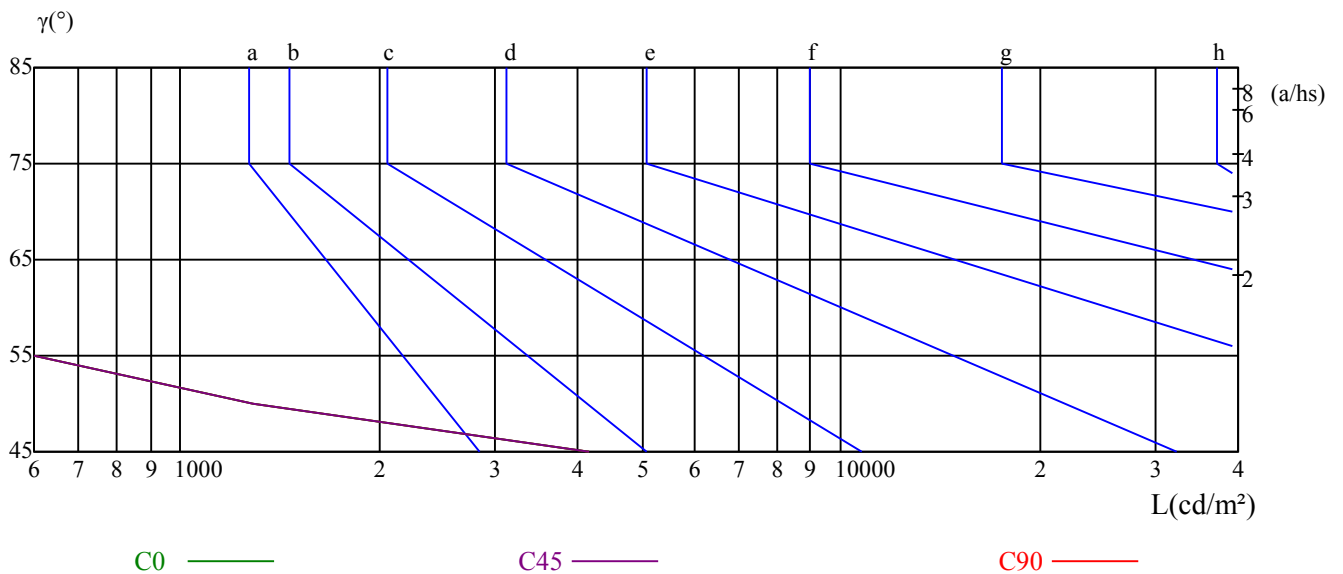
γ	45	50	55	60	65	70	75	80	85
C0	4147	1289	543	470	475	524	646	938	1831
C45	4147	1289	543	470	475	524	646	938	1831
C90	4147	1289	543	470	475	524	646	938	1831

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
475	475	475	646	646	646	1831	1831	1831

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



Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 16/05/2025
Humidity(%): 60.0%

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	15.79	16.73	16.19	17.08	17.45	16.24	17.18	16.64	17.53	17.90
	3H	15.60	16.43	16.02	16.81	17.20	16.05	16.88	16.47	17.26	17.65
	4H	15.51	16.28	15.95	16.67	17.09	15.96	16.73	16.39	17.12	17.53
	6H	15.45	16.16	15.91	16.57	17.02	15.89	16.60	16.35	17.01	17.46
	8H	15.41	16.08	15.86	16.50	16.96	15.84	16.51	16.30	16.94	17.39
	12H	15.38	16.02	15.84	16.45	16.91	15.81	16.45	16.27	16.88	17.34
4H	2H	15.48	16.25	15.92	16.65	17.06	15.93	16.70	16.37	17.09	17.51
	3H	15.26	15.90	15.72	16.34	16.80	15.70	16.35	16.16	16.78	17.24
	4H	15.21	15.77	15.68	16.23	16.72	15.65	16.21	16.12	16.67	17.16
	6H	15.13	15.62	15.63	16.10	16.60	15.56	16.05	16.06	16.54	17.03
	8H	15.12	15.57	15.64	16.07	16.59	15.54	16.00	16.06	16.49	17.01
	12H	15.16	15.58	15.68	16.06	16.63	15.57	15.99	16.09	16.47	17.04
8H	4H	15.02	15.48	15.54	15.97	16.49	15.46	15.91	15.98	16.41	16.93
	6H	14.95	15.33	15.49	15.84	16.40	15.38	15.75	15.92	16.26	16.82
	8H	15.03	15.34	15.59	15.89	16.43	15.44	15.75	16.00	16.30	16.85
	12H	15.12	15.36	15.70	15.91	16.48	15.51	15.75	16.09	16.30	16.87
12H	4H	14.97	15.39	15.50	15.88	16.44	15.41	15.83	15.94	16.32	16.88
	6H	14.96	15.27	15.52	15.82	16.36	15.38	15.69	15.94	16.24	16.78
	8H	15.01	15.25	15.58	15.80	16.36	15.41	15.65	15.99	16.20	16.77
Variation with the observer position at spacings:											
S = 1.0H		4.9/-10.7					4.9/-10.7				
S = 1.5H		7.5/-8.8					7.5/-8.8				
S = 2.0H		9.3/-7.5					9.3/-7.5				
Standard tables:		BK1					BK1				
Uncorrected UGR		-5.1					-5.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra flex 50 c serie 3 fc

LampCAT: 3x modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.5900

Test No:

Current(A): 0.3020

Number of Lamps: 1

Power (W): 38.3020

Lamp flux(lm): 4072.0

PF: 0.9940

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2842.28, Efficiency(%): 69.80% , Luminous Efficacy(lm/W): 74.21

Central intensity(cd): 16528.750, Maximum intensity(cd): 16528.750

Angle of maximum intensity: C=0.0 γ =0.0

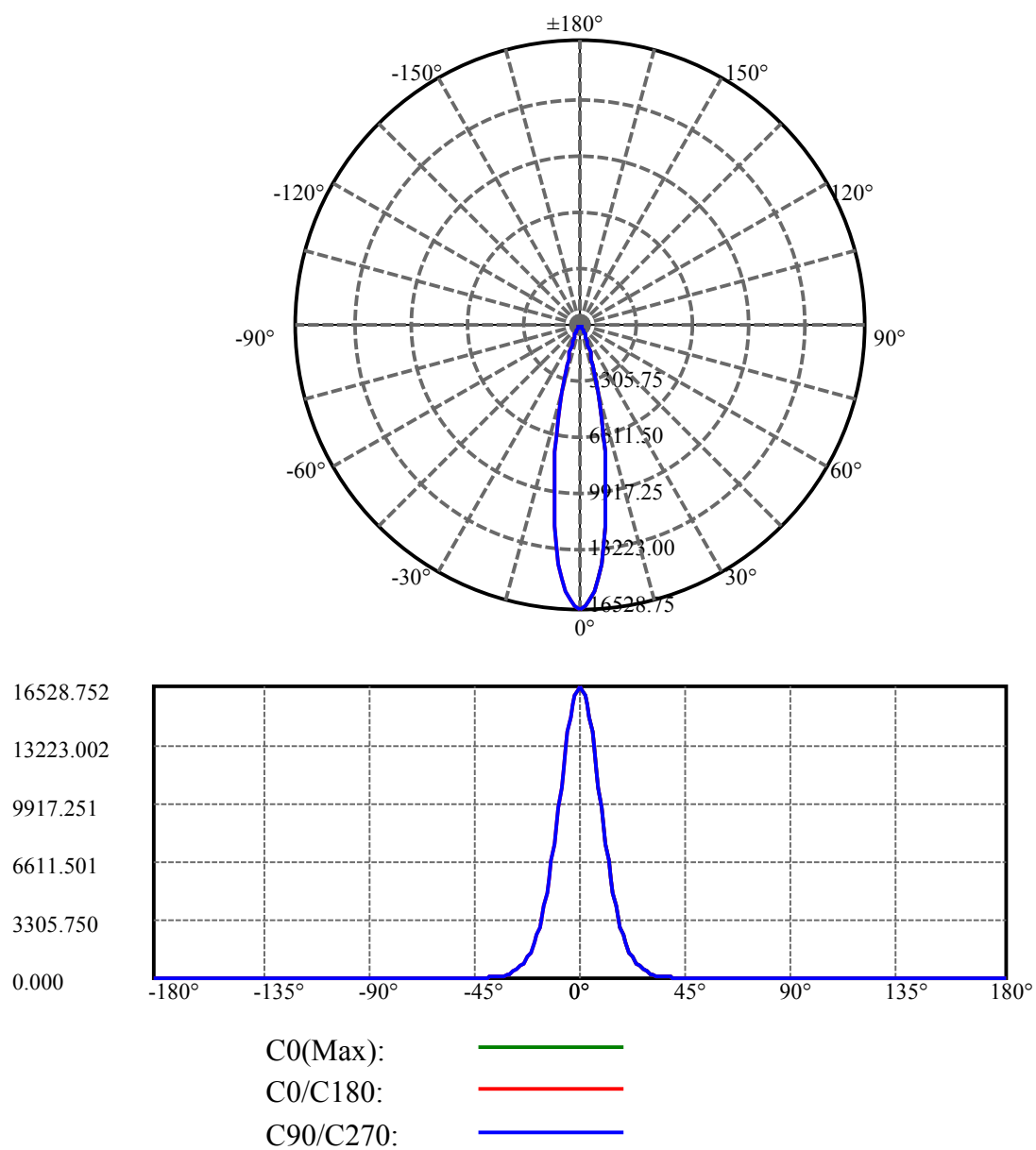
Beam angle of C0 plane : 20.70

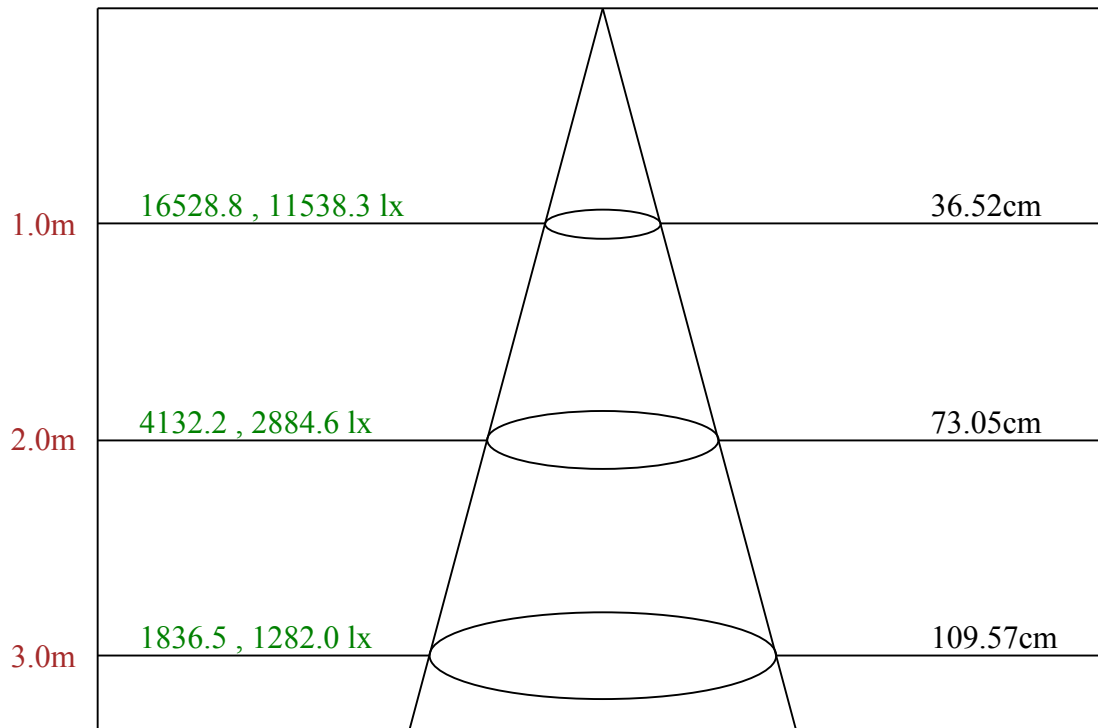
Aveage BeamAngle(IEC 61341):20.70

Equipment: equipamento lumini
Temperature(°C): 25.5

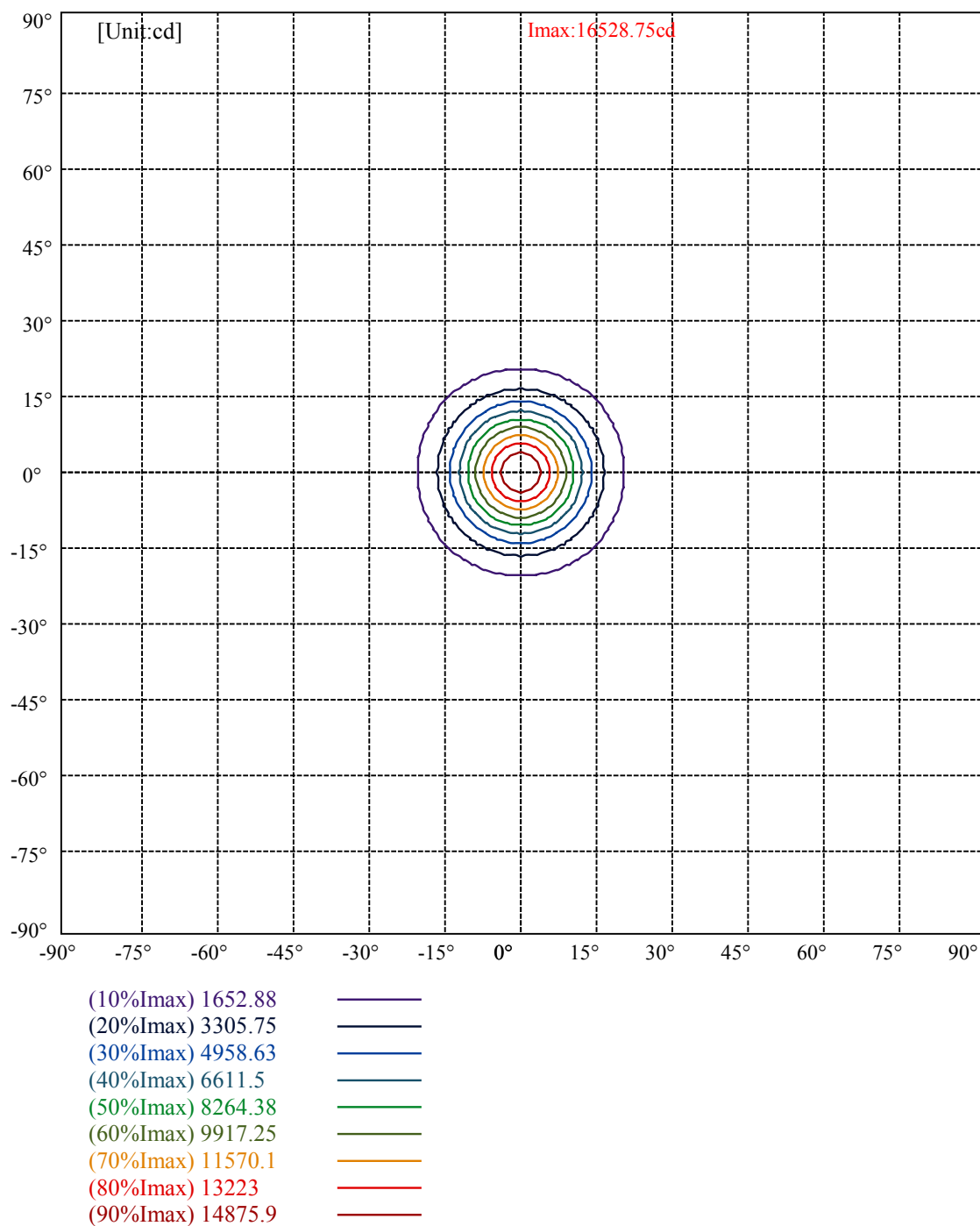
Date: 08/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.70



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

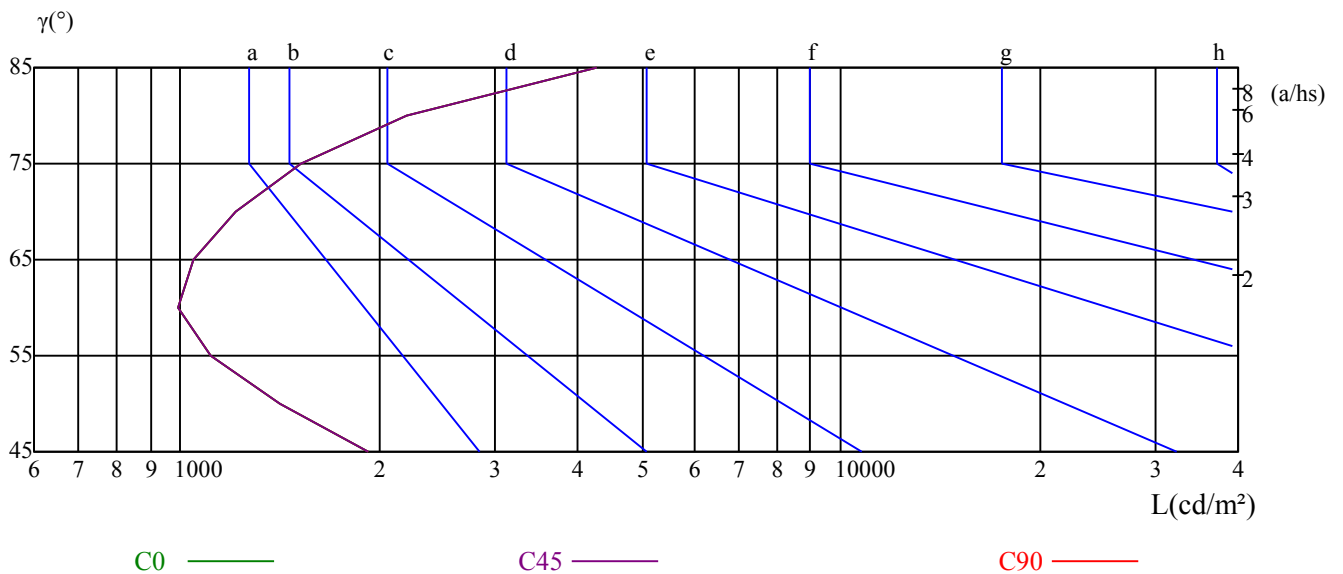
γ	45	50	55	60	65	70	75	80	85
C0	1922	1414	1112	991	1047	1210	1525	2198	4271
C45	1922	1414	1112	991	1047	1210	1525	2198	4271
C90	1922	1414	1112	991	1047	1210	1525	2198	4271

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1047	1047	1047	1525	1525	1525	4271	4271	4271

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



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

Date: 08/05/2025
Humidity(%): 60.0%

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	5.68	6.57	6.08	6.92	7.29	5.28	6.18	5.69	6.53	6.90
	3H	6.30	7.10	6.73	7.47	7.87	5.93	6.72	6.35	7.10	7.50
	4H	6.88	7.62	7.32	8.01	8.43	6.51	7.25	6.95	7.64	8.06
	6H	7.82	8.49	8.27	8.90	9.35	7.45	8.12	7.90	8.54	8.98
	8H	8.44	9.08	8.90	9.50	9.96	8.08	8.72	8.54	9.14	9.60
	12H	9.24	9.85	9.70	10.28	10.75	8.91	9.51	9.37	9.95	10.41
4H	2H	5.67	6.41	6.11	6.80	7.22	5.32	6.05	5.76	6.45	6.87
	3H	6.56	7.18	7.02	7.61	8.08	6.24	6.85	6.70	7.29	7.75
	4H	7.43	7.97	7.91	8.43	8.92	7.12	7.65	7.59	8.11	8.61
	6H	8.65	9.12	9.16	9.61	10.11	8.33	8.80	8.84	9.29	9.79
	8H	9.48	9.91	10.00	10.41	10.93	9.17	9.60	9.69	10.10	10.62
	12H	10.51	10.91	11.04	11.40	11.97	10.22	10.62	10.74	11.11	11.68
8H	4H	7.73	8.17	8.26	8.67	9.18	7.46	7.90	7.98	8.39	8.91
	6H	9.26	9.62	9.80	10.13	10.69	9.00	9.35	9.54	9.87	10.42
	8H	10.36	10.66	10.93	11.21	11.76	10.10	10.40	10.67	10.95	11.50
	12H	11.66	11.88	12.23	12.43	13.00	11.41	11.64	11.99	12.19	12.76
12H	4H	7.83	8.23	8.36	8.72	9.29	7.58	7.98	8.10	8.47	9.03
	6H	9.52	9.82	10.09	10.37	10.92	9.28	9.58	9.85	10.13	10.67
	8H	10.70	10.92	11.28	11.47	12.04	10.47	10.69	11.04	11.24	11.81
Variation with the observer position at spacings:											
S = 1.0H		1.6/-1.1					1.6/-1.1				
S = 1.5H		1.8/-1.2					1.8/-1.2				
S = 2.0H		2.1/-1.2					2.1/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-7.0					-7.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra flex 50 c serie 3 fm

LampCAT: 3x modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6300

Test No:

Current(A): 0.3020

Number of Lamps: 1

Power (W): 38.3570

Lamp flux(lm): 4072.0

PF: 0.9940

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2940.64, Efficiency(%): 72.22% , Luminous Efficacy(lm/W): 76.66

Central intensity(cd): 11524.200, Maximum intensity(cd): 11524.200

Angle of maximum intensity: C=0.0 γ =0.0

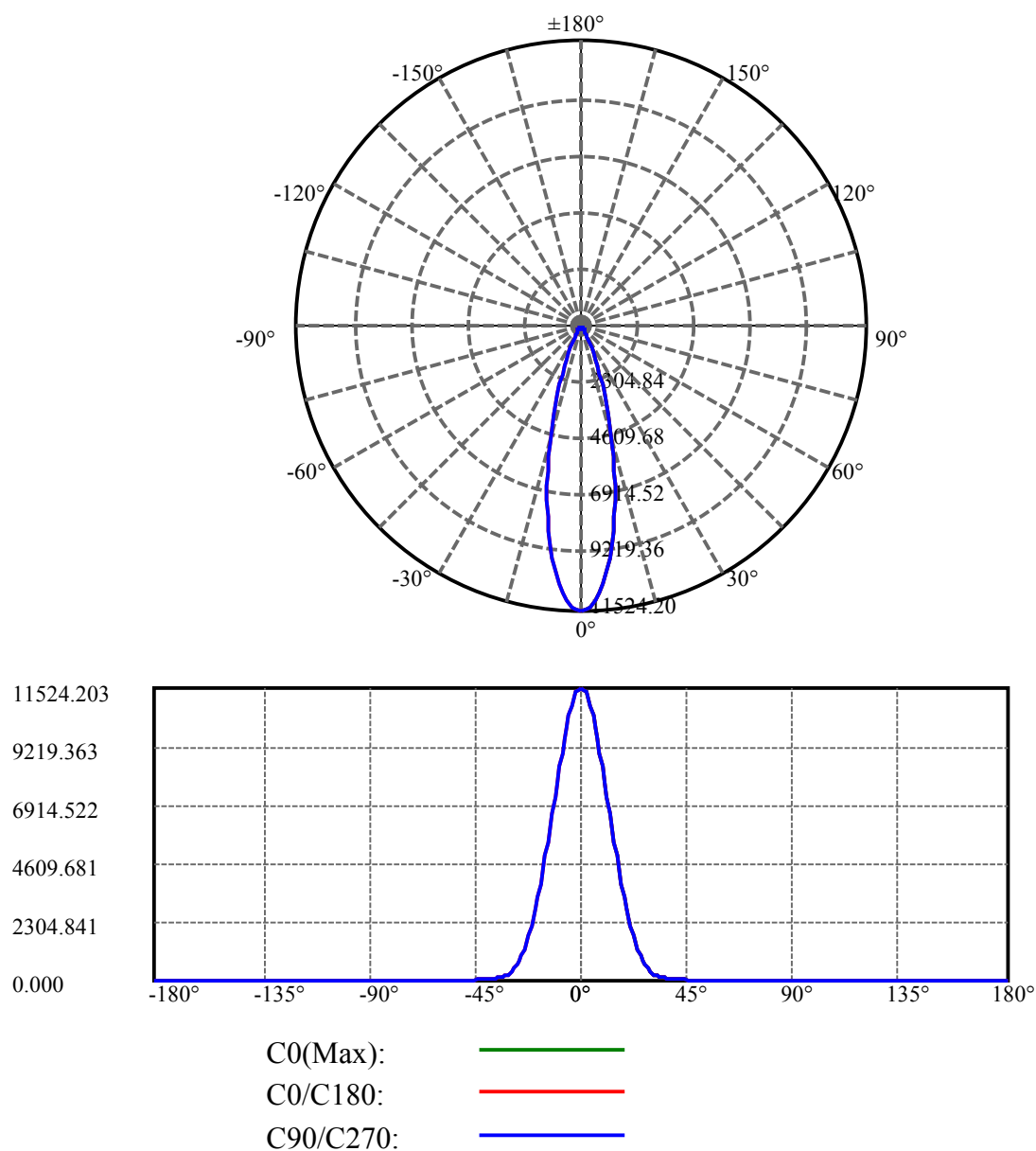
Beam angle of C0 plane : 26.92

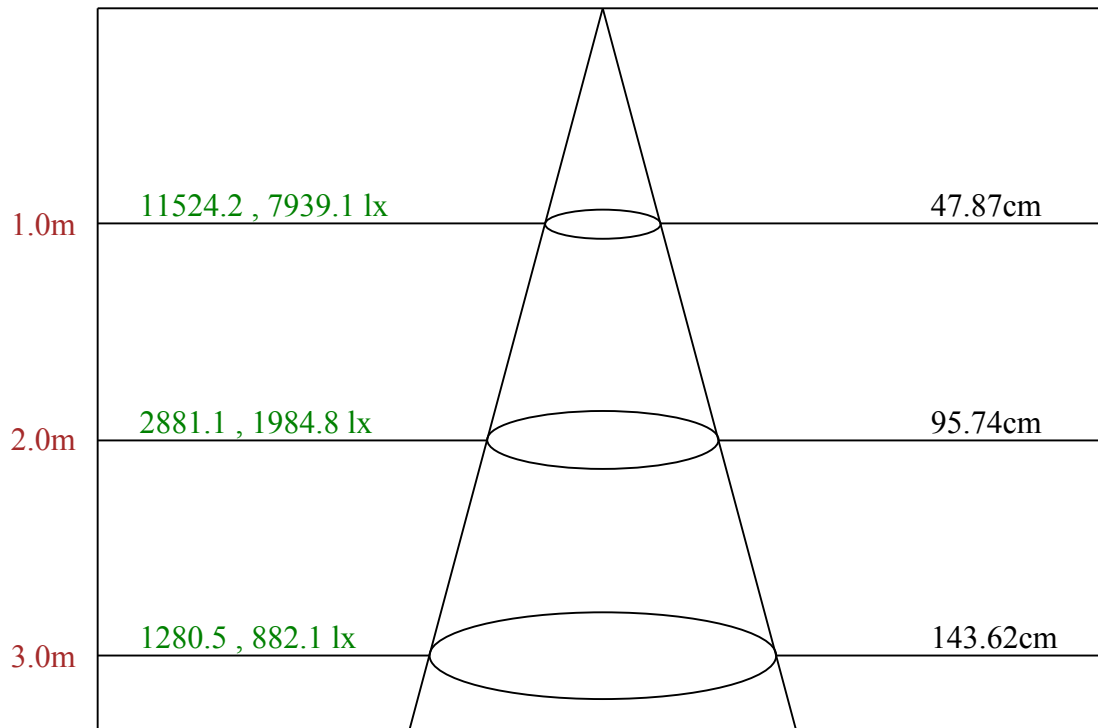
Average BeamAngle(IEC 61341): 26.92

Equipment: equipamento lumini
Temperature(°C): 25.5

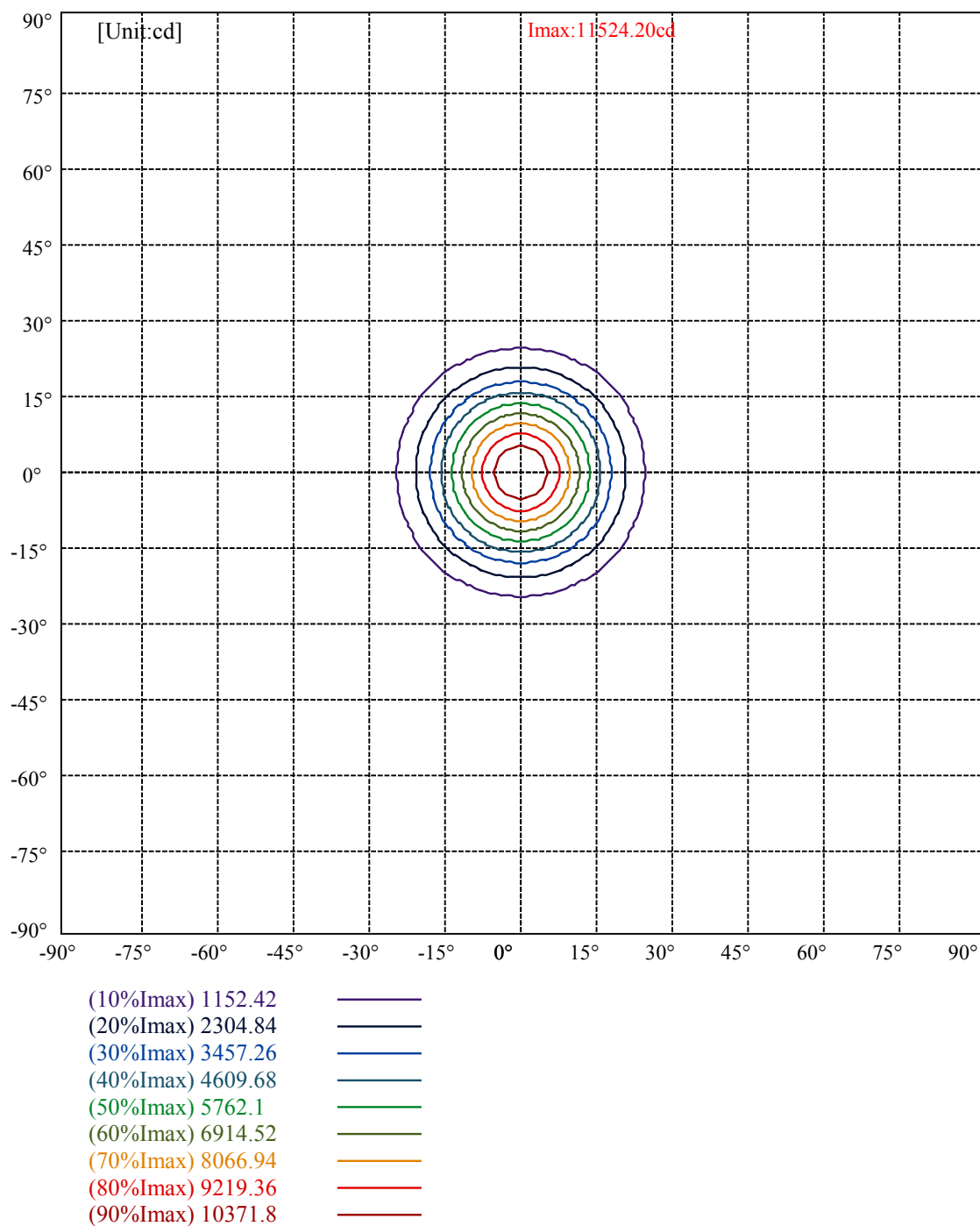
Date: 09/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 26.92



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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	2226	1422	1074	988	1060	1235	1580	2309	4532
C45	2226	1422	1074	988	1060	1235	1580	2309	4532
C90	2226	1422	1074	988	1060	1235	1580	2309	4532

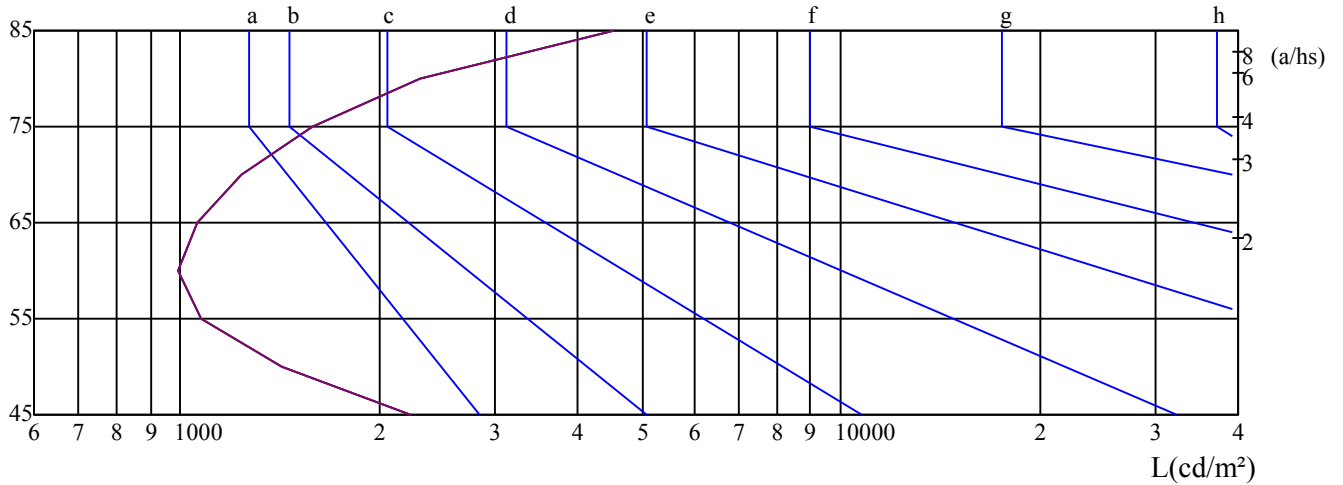
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1060	1060	1060	1580	1580	1580	4532	4532	4532

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: 09/05/2025
Humidity(%): 60.0%

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	7.17	8.06	7.57	8.42	8.78	7.47	8.36	7.87	8.72	9.09
	3H	7.49	8.29	7.92	8.67	9.06	7.73	8.53	8.16	8.91	9.31
	4H	7.88	8.61	8.32	9.01	9.43	8.07	8.80	8.51	9.20	9.62
	6H	8.59	9.26	9.05	9.68	10.13	8.70	9.37	9.16	9.79	10.24
	8H	9.10	9.74	9.56	10.17	10.63	9.16	9.81	9.62	10.23	10.69
	12H	9.81	10.41	10.27	10.85	11.32	9.81	10.42	10.28	10.86	11.32
4H	2H	7.03	7.77	7.47	8.17	8.58	7.32	8.06	7.76	8.45	8.87
	3H	7.55	8.17	8.02	8.61	9.07	7.76	8.38	8.23	8.82	9.29
	4H	8.21	8.74	8.68	9.21	9.70	8.35	8.89	8.83	9.35	9.84
	6H	9.20	9.67	9.71	10.17	10.66	9.26	9.73	9.77	10.22	10.72
	8H	9.94	10.38	10.46	10.87	11.39	9.95	10.38	10.47	10.88	11.40
	12H	10.91	11.31	11.43	11.80	12.36	10.86	11.26	11.38	11.75	12.31
8H	4H	8.42	8.85	8.94	9.35	9.87	8.54	8.98	9.07	9.48	10.00
	6H	9.72	10.08	10.26	10.59	11.15	9.76	10.11	10.30	10.63	11.19
	8H	10.73	11.03	11.30	11.59	12.13	10.72	11.02	11.29	11.57	12.12
	12H	11.98	12.20	12.55	12.75	13.32	11.91	12.13	12.49	12.68	13.25
12H	4H	8.49	8.90	9.02	9.39	9.95	8.62	9.02	9.14	9.51	10.08
	6H	9.96	10.25	10.53	10.81	11.35	9.99	10.29	10.56	10.85	11.39
	8H	11.05	11.27	11.63	11.83	12.39	11.04	11.26	11.61	11.81	12.38
Variation with the observer position at spacings:											
S = 1.0H		2.8/-1.9					2.8/-1.9				
S = 1.5H		3.5/-1.6					3.5/-1.6				
S = 2.0H		3.9/-1.5					3.9/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-6.0					-6.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra flex 50 c serie 3 fa

LampCAT: 3x modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6400

Test No:

Current(A): 0.3010

Number of Lamps: 1

Power (W): 38.2350

Lamp flux(lm): 4072.0

PF: 0.9940

Length(mm): 550

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2269.76, Efficiency(%): 55.74% , Luminous Efficacy(lm/W): 59.36

Central intensity(cd): 3074.321, Maximum intensity(cd): 3074.321

Angle of maximum intensity: C=0.0 γ =1.0

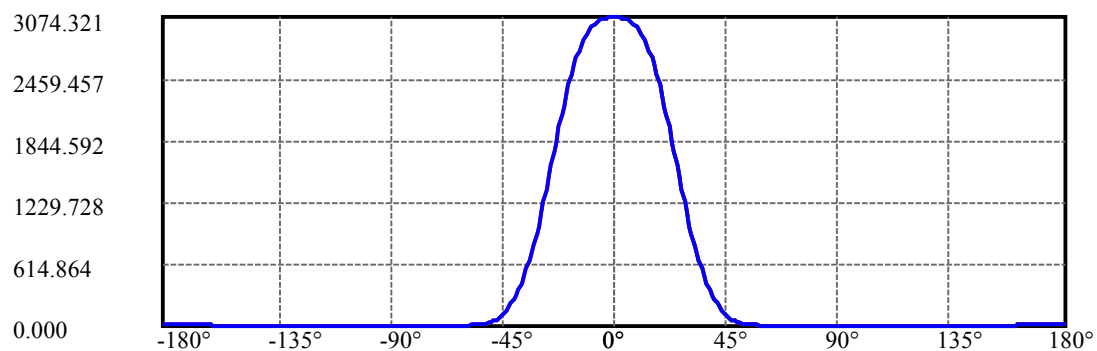
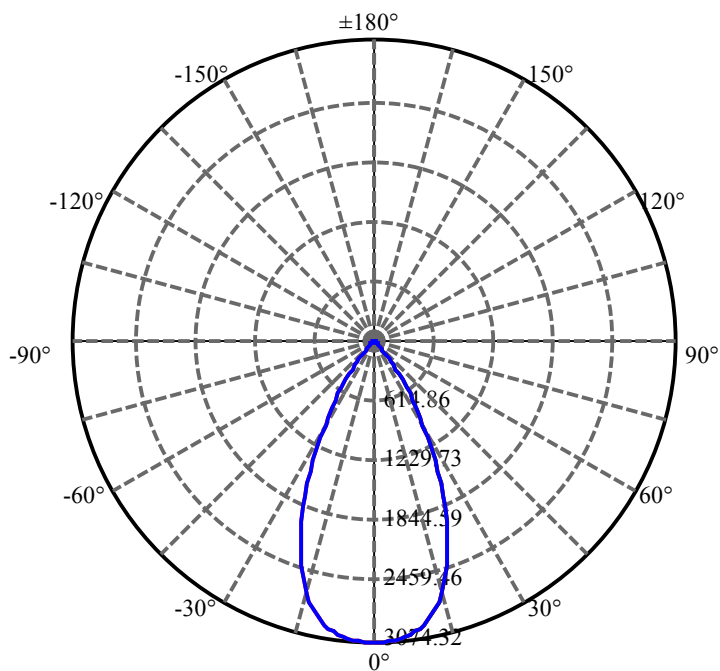
Beam angle of C0 plane : 51.16

Aveage BeamAngle(IEC 61341):51.16

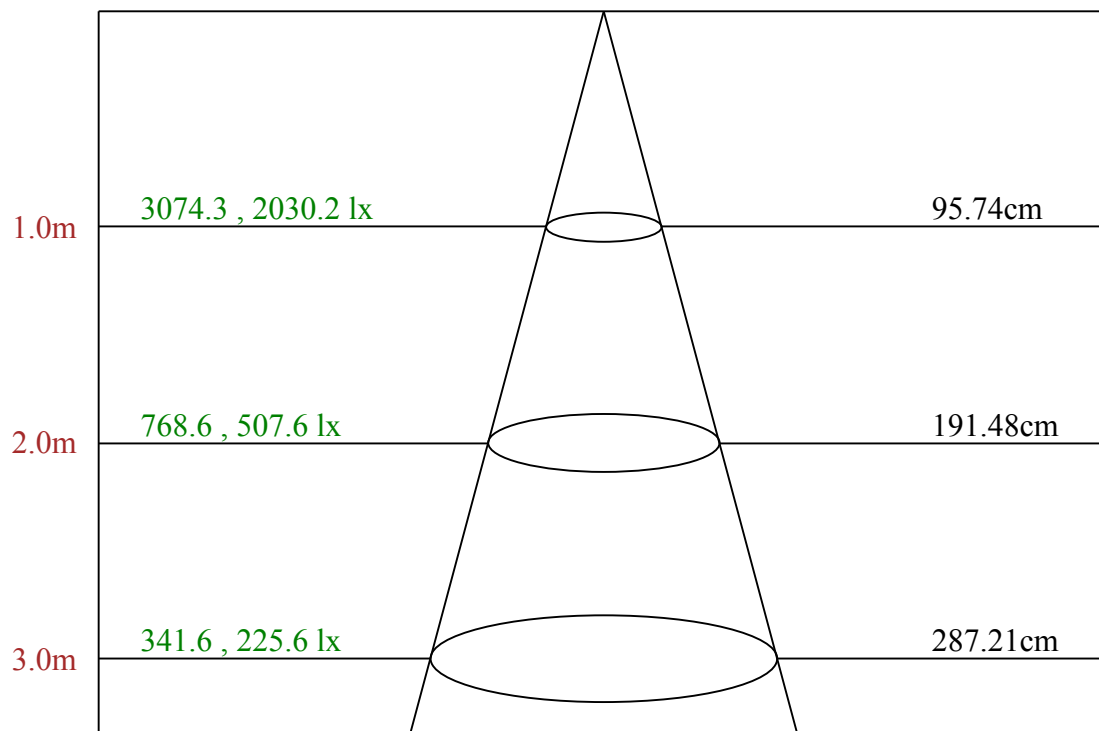
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 08/05/2025
Humidity(%): 60.0%

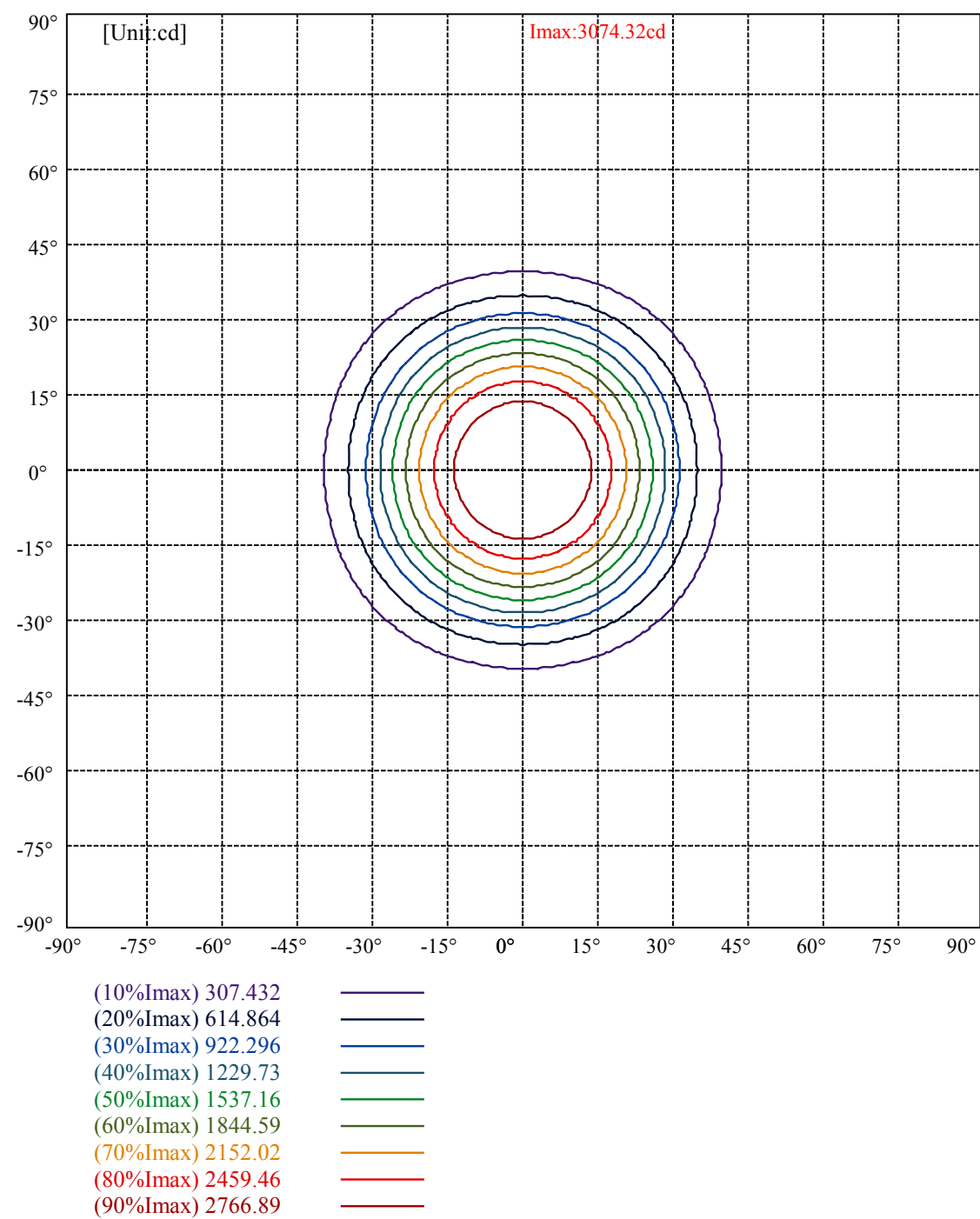
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 51.16



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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	6588	2038	907	799	801	878	1091	1577	3073
C45	6588	2038	907	799	801	878	1091	1577	3073
C90	6588	2038	907	799	801	878	1091	1577	3073

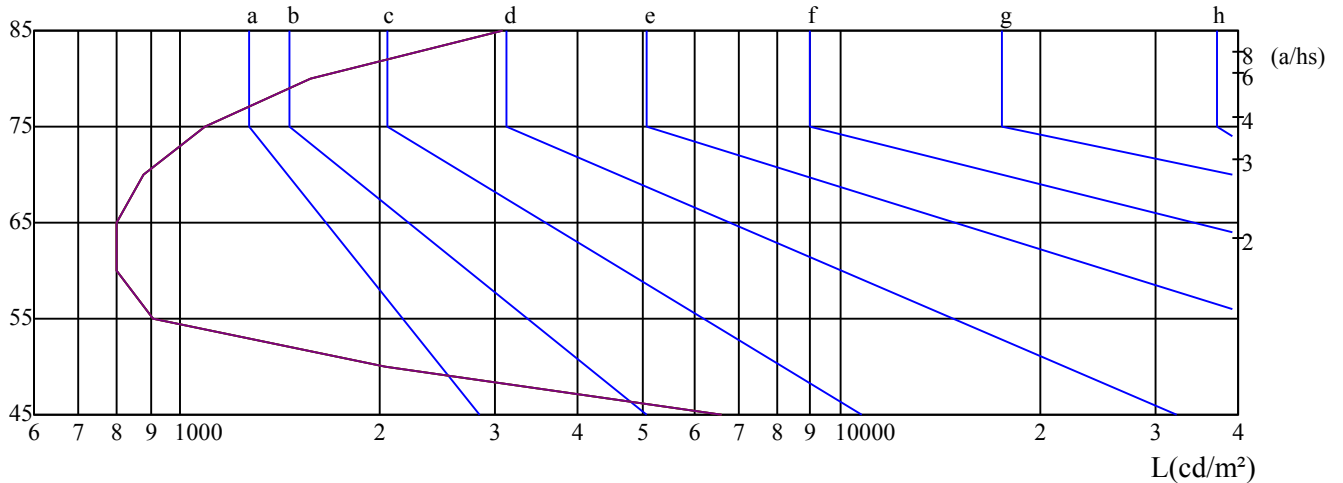
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
801	801	801	1091	1091	1091	3073	3073	3073

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: 08/05/2025
Humidity(%): 60.0%

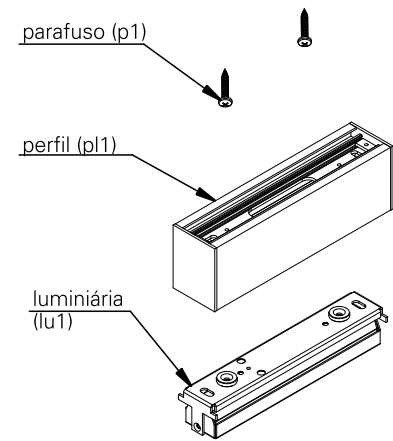
Operator: 01
Distance(m): 6.90

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	18.44	19.38	18.84	19.73	20.09	17.82	18.75	18.22	19.10	19.47
	3H	18.25	19.08	18.67	19.45	19.85	17.62	18.45	18.05	18.83	19.22
	4H	18.15	18.92	18.59	19.31	19.73	17.53	18.30	17.97	18.69	19.11
	6H	18.09	18.79	18.54	19.20	19.65	17.47	18.17	17.93	18.59	19.03
	8H	18.03	18.70	18.49	19.13	19.58	17.42	18.09	17.88	18.52	18.97
	12H	18.00	18.63	18.46	19.07	19.53	17.39	18.03	17.86	18.46	18.92
4H	2H	18.13	18.90	18.57	19.29	19.70	17.50	18.27	17.94	18.67	19.08
	3H	17.90	18.54	18.36	18.97	19.44	17.28	17.92	17.74	18.35	18.82
	4H	17.84	18.40	18.32	18.86	19.35	17.23	17.78	17.70	18.24	18.74
	6H	17.75	18.24	18.25	18.72	19.22	17.14	17.63	17.65	18.12	18.61
	8H	17.73	18.18	18.25	18.68	19.19	17.13	17.58	17.65	18.08	18.59
	12H	17.75	18.16	18.27	18.65	19.22	17.16	17.58	17.68	18.06	18.63
8H	4H	17.65	18.10	18.17	18.60	19.12	17.04	17.49	17.56	17.99	18.50
	6H	17.56	17.94	18.10	18.45	19.00	16.97	17.34	17.50	17.85	18.40
	8H	17.62	17.93	18.18	18.48	19.02	17.03	17.34	17.60	17.90	18.44
	12H	17.68	17.92	18.26	18.47	19.04	17.12	17.36	17.69	17.91	18.47
12H	4H	17.60	18.02	18.13	18.51	19.07	16.99	17.41	17.52	17.90	18.46
	6H	17.56	17.87	18.13	18.43	18.97	16.97	17.28	17.53	17.83	18.37
	8H	17.59	17.83	18.17	18.38	18.95	17.01	17.25	17.59	17.80	18.36
Variation with the observer position at spacings:											
S = 1.0H		5.0/-10.3					5.0/-10.3				
S = 1.5H		7.6/-8.4					7.6/-8.4				
S = 2.0H		9.4/-7.2					9.4/-7.2				
Standard tables:		BK1					BK1				
Uncorrected UGR		-3.6					-3.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25

concentra

concentra flex 8 c
concentra flex 17 c série 2
concentra flex 34 c série 2
concentra flex 50 c série 2



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.

lumini.com.br

especificações técnicas

fonte de luz
módulo led integrado (incluso)

índice de proteção
IP20 - luminária para uso interno

peso
concentra flex 8 c - xxx kg
concentra flex 17 c série 2 - xxx kg
concentra flex 34 c série 2 - xxx kg
concentra flex 50 c série 2 - xxx 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 perfil
2 parafusos atarrachantes
2 buchas

ferramentas necessárias
chave philips

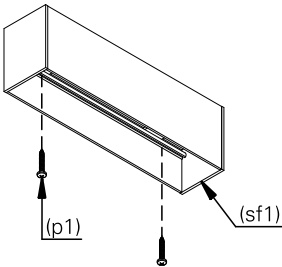
informações importantes
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

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

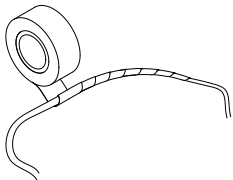
retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

instalação passo a passo

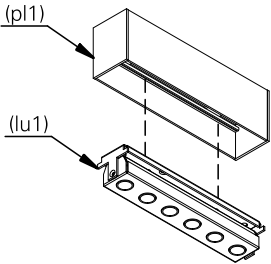
1. utilize o parafuso (p1) para fixar o perfil (pl1).



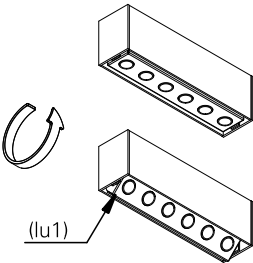
2. escolha o lado onde o fio de alimentação irá passar e faça a ligação elétrica. isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



3. encaixe a luminária (lu1) no perfil (pl1) com ajuda de imãs.



4. para orientar o fecho de luz, mova a luminária (lu1) para os lados conforme indicado.



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

