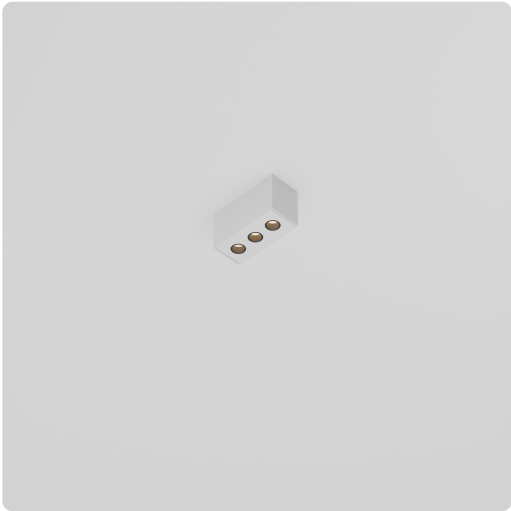




concentra 8 c

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

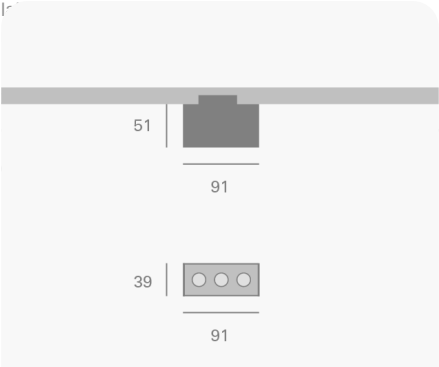
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
3	concentrado	2700		
3	médio	2700		
3	aberto	2700		
3	concentrado	3000	395	287
3	médio	3000	395	302
3	aberto	3000	395	244
3	concentrado	4000		
3	médio	4000		
3	aberto	4000		
6	concentrado	2700		
6	médio	2700		
6	aberto	2700		
6	concentrado	3000	700	499
6	médio	3000	700	507
6	aberto	3000	700	435
6	concentrado	4000		
6	médio	4000		
6	aberto	4000		

equipamentos
LED driver 350mA (ponto remoto)
LED driver 700mA (ponto remoto)

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

instalação
forro de gesso
laje



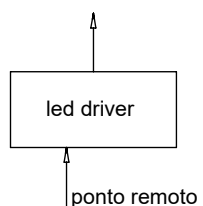
acabamentos e cores

cores



vista inferior

dimensões em milímetros



concentra 8 c sr3

folha
1/1

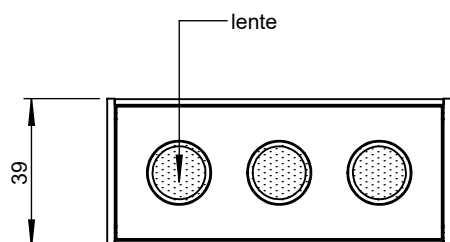
escala
1:2

data
07/06/2025

desenhista
joão v.

aprovação
severino

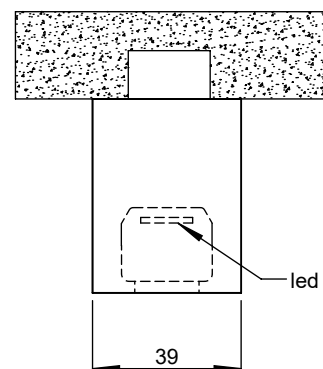
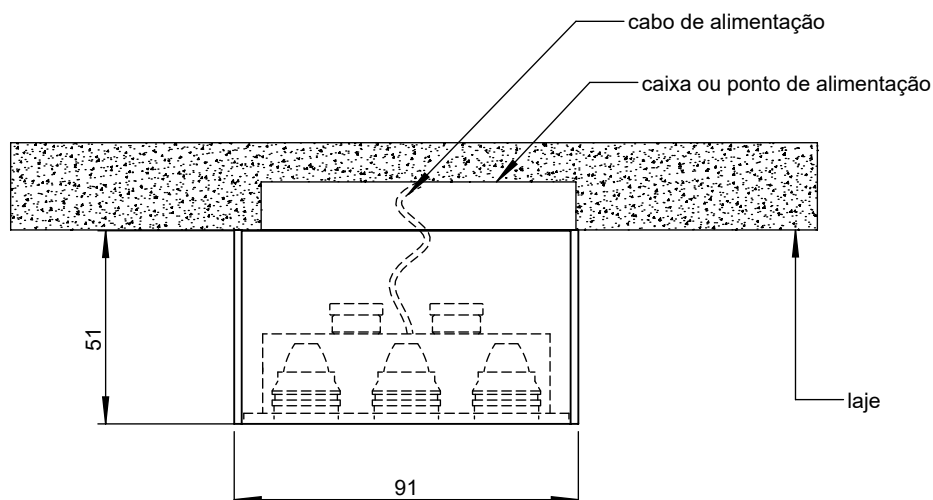
revisões
07/06/2025



vista lateral

dimensões em milímetros

para maiores informações,
consulte a área técnica
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LumCAT:

Luminaire: concentra 8 c serie 3 fc

LampCAT: modulo led 3W 30K irc 90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 127.9200

Test No:

Current(A): 0.0630

Number of Lamps: 1

Power (W): 3.7970

Lamp flux(lm): 395.0

PF: 0.4700

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 287.03, Efficiency(%): 72.67% , Luminous Efficacy(lm/W): 75.59

Central intensity(cd): 1581.604, Maximum intensity(cd): 1594.268

Angle of maximum intensity: C=0.0 γ =1.0

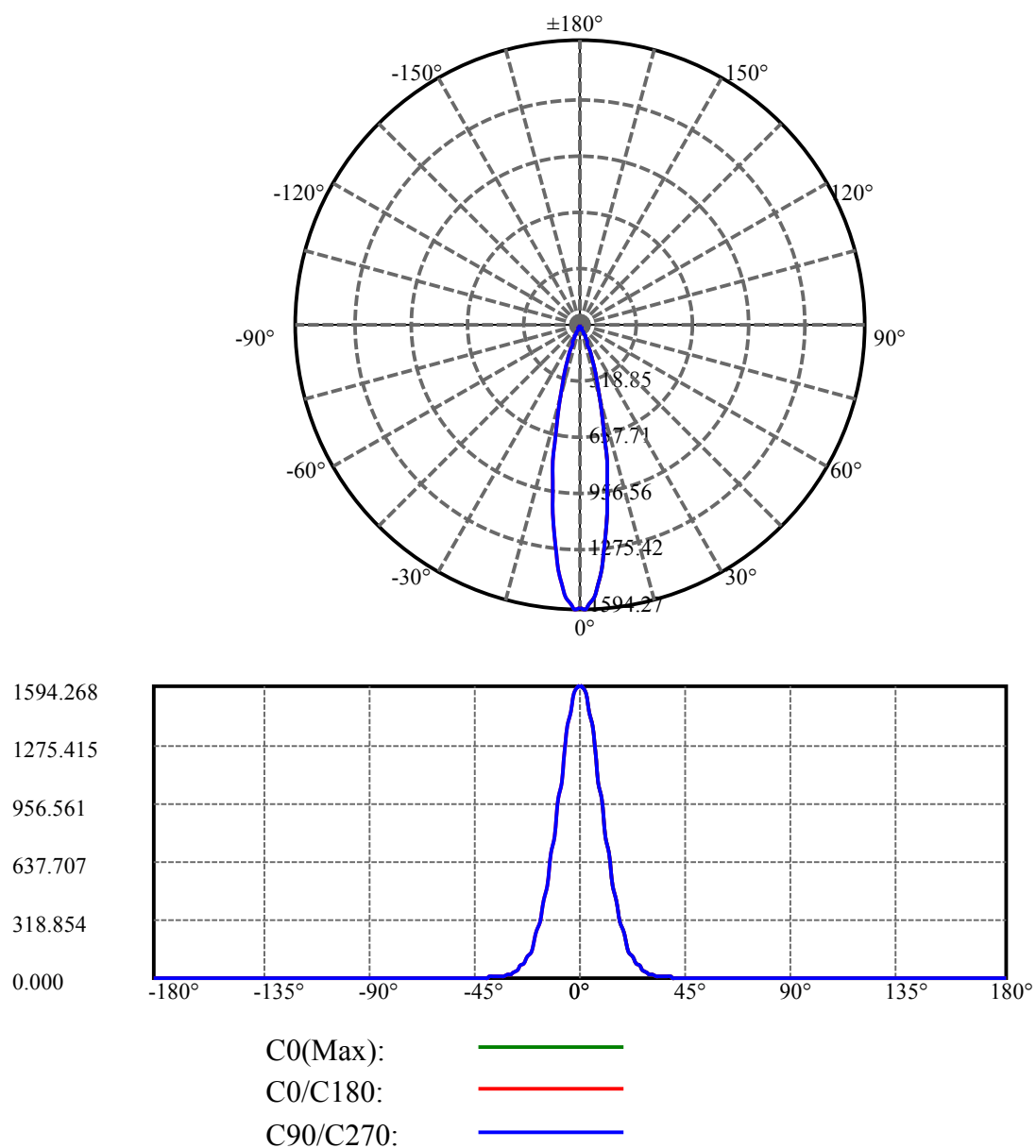
Beam angle of C0 plane : 21.62

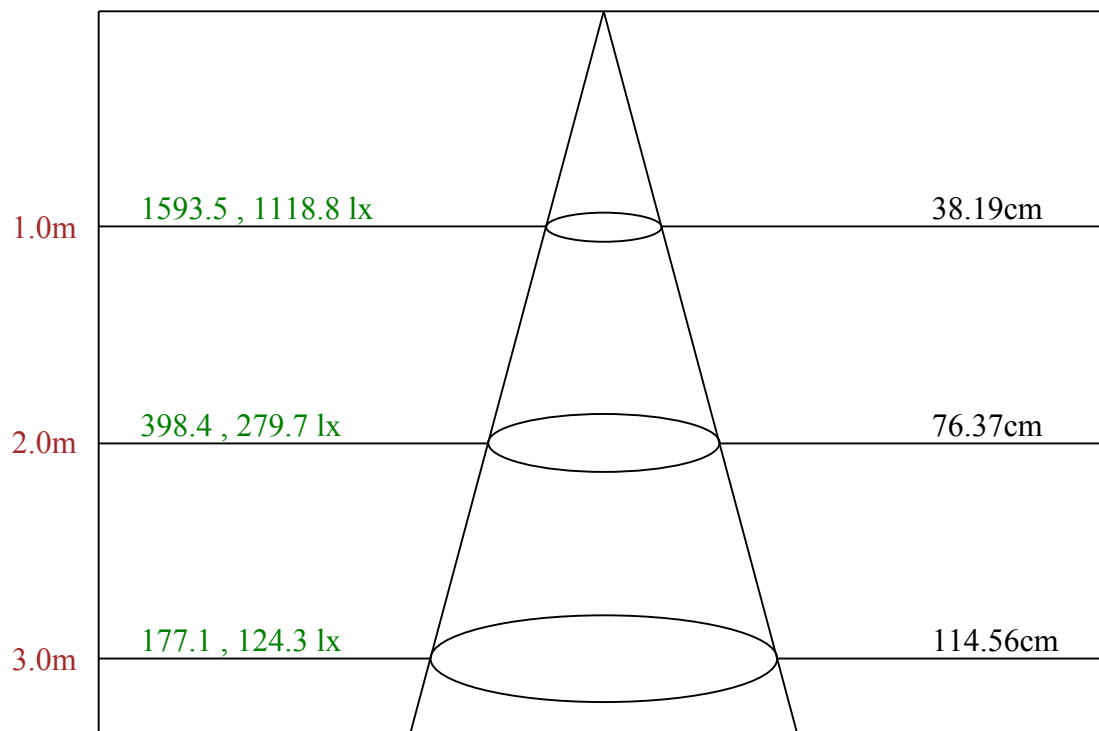
Average BeamAngle(IEC 61341): 21.62

Equipment: equipamento lumini
Temperature(°C): 25.5

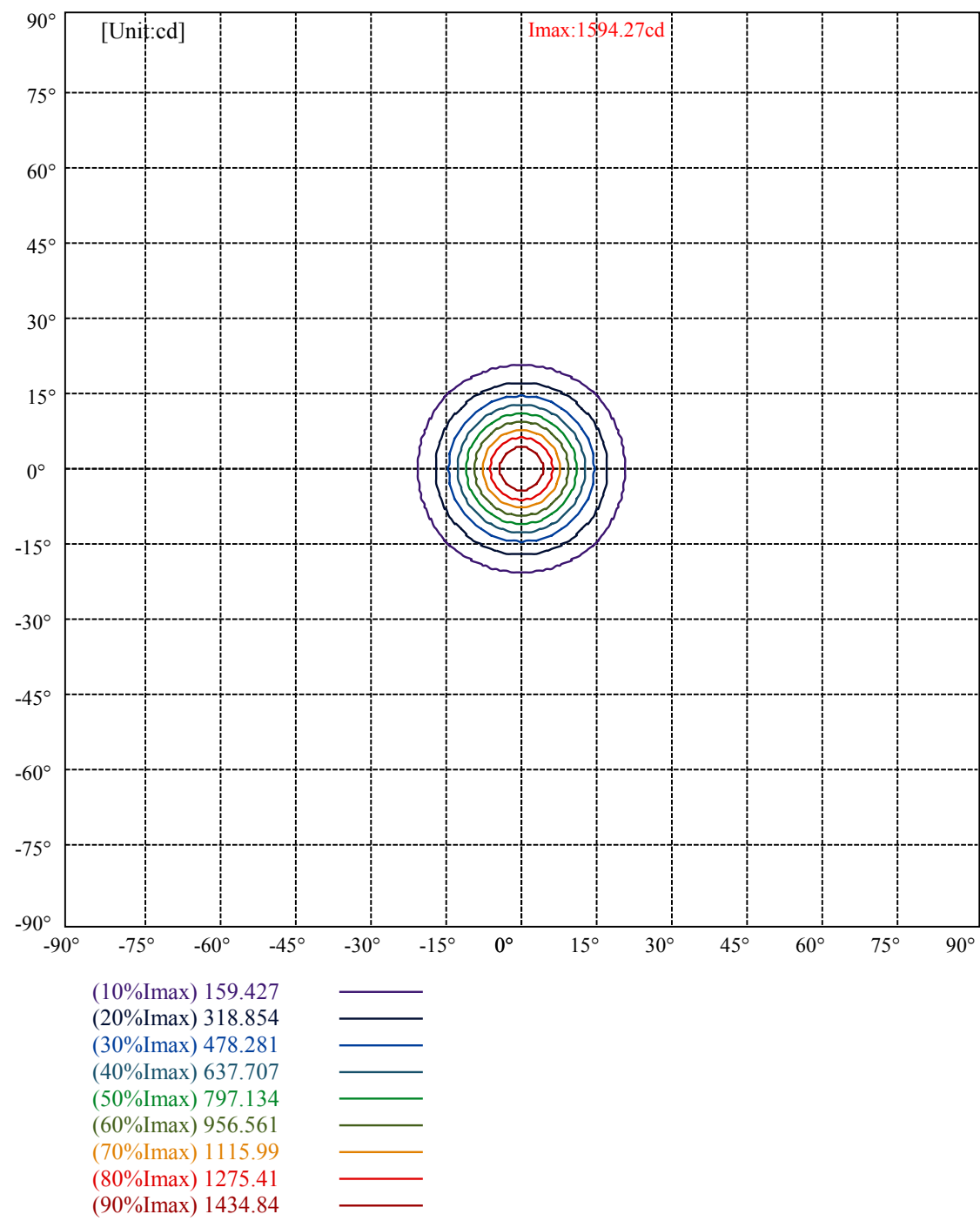
Date: 14/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 21.62



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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	2113	1569	1224	1178	1239	1436	1794	2605	5190
C45	2113	1569	1224	1178	1239	1436	1794	2605	5190
C90	2113	1569	1224	1178	1239	1436	1794	2605	5190

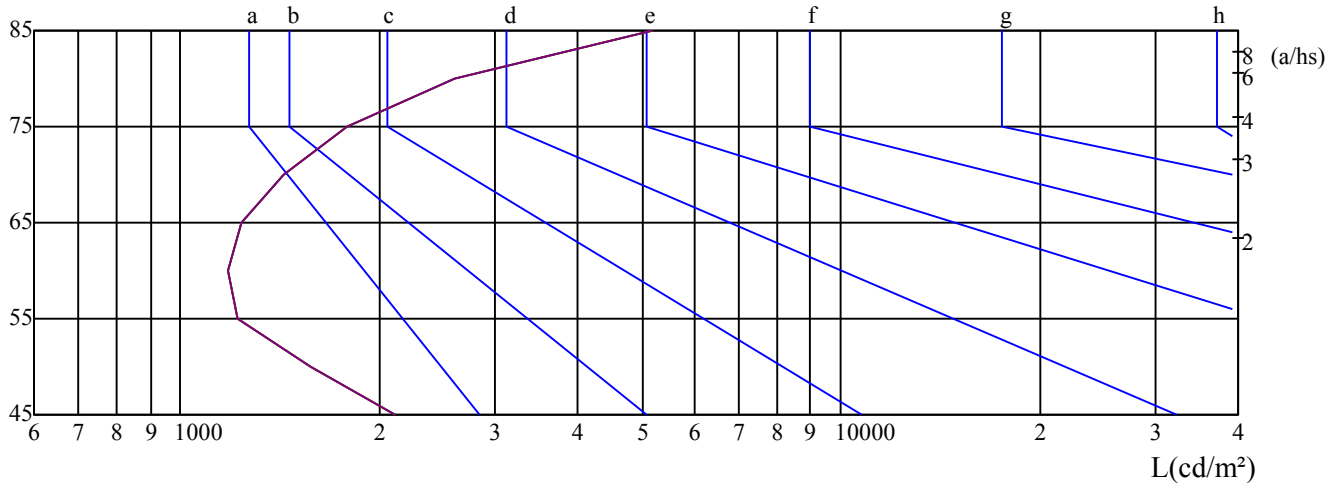
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1239	1239	1239	1794	1794	1794	5190	5190	5190

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: 14/05/2025
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	4.53	5.42	4.94	5.78	6.15	5.37	6.27	5.78	6.63	7.00
	3H	5.60	6.40	6.03	6.78	7.18	6.24	7.03	6.67	7.42	7.81
	4H	6.51	7.24	6.95	7.64	8.06	6.97	7.71	7.41	8.11	8.53
	6H	7.71	8.38	8.17	8.80	9.25	8.02	8.70	8.48	9.12	9.57
	8H	8.53	9.17	8.99	9.60	10.06	8.69	9.33	9.15	9.76	10.22
	12H	9.48	10.09	9.95	10.53	11.00	9.60	10.20	10.06	10.64	11.11
4H	2H	4.72	5.46	5.17	5.86	6.28	5.46	6.19	5.90	6.59	7.01
	3H	6.12	6.74	6.59	7.18	7.65	6.62	7.24	7.09	7.68	8.15
	4H	7.34	7.88	7.82	8.34	8.84	7.66	8.20	8.14	8.66	9.16
	6H	8.79	9.26	9.30	9.75	10.25	8.98	9.46	9.50	9.95	10.45
	8H	9.80	10.23	10.32	10.73	11.25	9.84	10.28	10.37	10.78	11.30
	12H	10.94	11.34	11.47	11.84	12.40	10.97	11.37	11.50	11.86	12.43
8H	4H	7.78	8.21	8.30	8.71	9.24	8.05	8.48	8.57	8.98	9.50
	6H	9.53	9.89	10.07	10.40	10.96	9.68	10.03	10.22	10.55	11.11
	8H	10.80	11.09	11.37	11.65	12.20	10.80	11.10	11.37	11.66	12.20
	12H	12.20	12.42	12.78	12.98	13.55	12.20	12.42	12.77	12.97	13.55
12H	4H	7.91	8.31	8.44	8.80	9.37	8.16	8.57	8.69	9.06	9.63
	6H	9.83	10.12	10.40	10.68	11.23	9.96	10.26	10.53	10.82	11.36
	8H	11.17	11.40	11.75	11.95	12.52	11.17	11.40	11.75	11.95	12.52
Variation with the observer position at spacings:											
S = 1.0H		1.3/-1.1					1.3/-1.1				
S = 1.5H		1.5/-1.2					1.5/-1.2				
S = 2.0H		1.7/-1.2					1.7/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-6.4					-6.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra 8 c serie 3 fm

LampCAT: modulo led 3W 30K irc 90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 127.9300

Test No:

Current(A): 0.0630

Number of Lamps: 1

Power (W): 3.7970

Lamp flux(lm): 395.0

PF: 0.4700

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 301.75, Efficiency(%): 76.39% , Luminous Efficacy(lm/W): 79.47

Central intensity(cd): 1218.209, Maximum intensity(cd): 1218.209

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

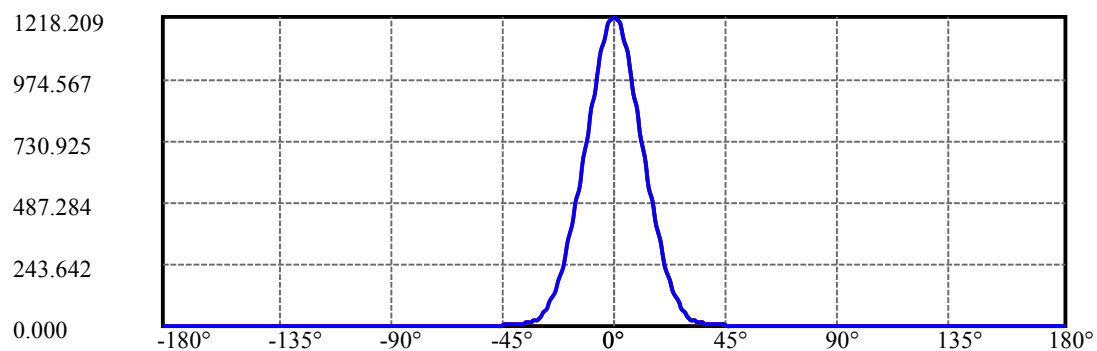
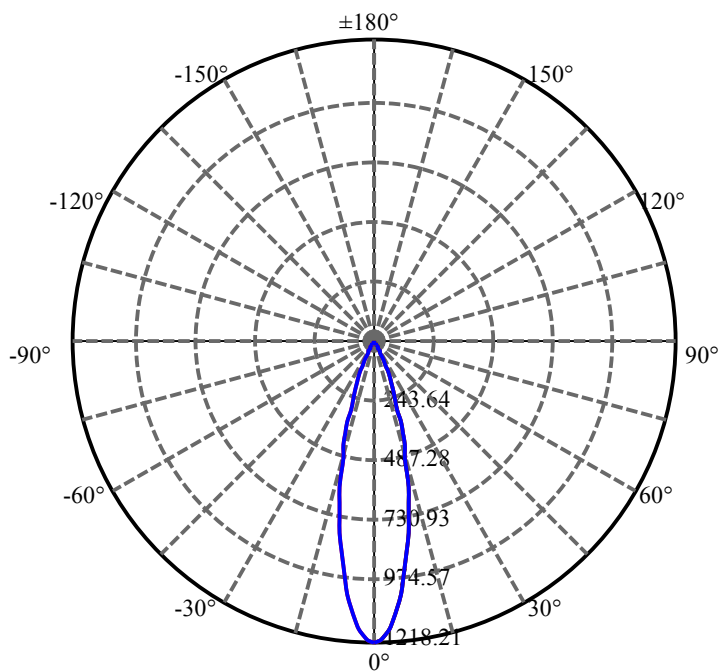
Beam angle of C0 plane : 25.87

Average BeamAngle(IEC 61341): 25.87

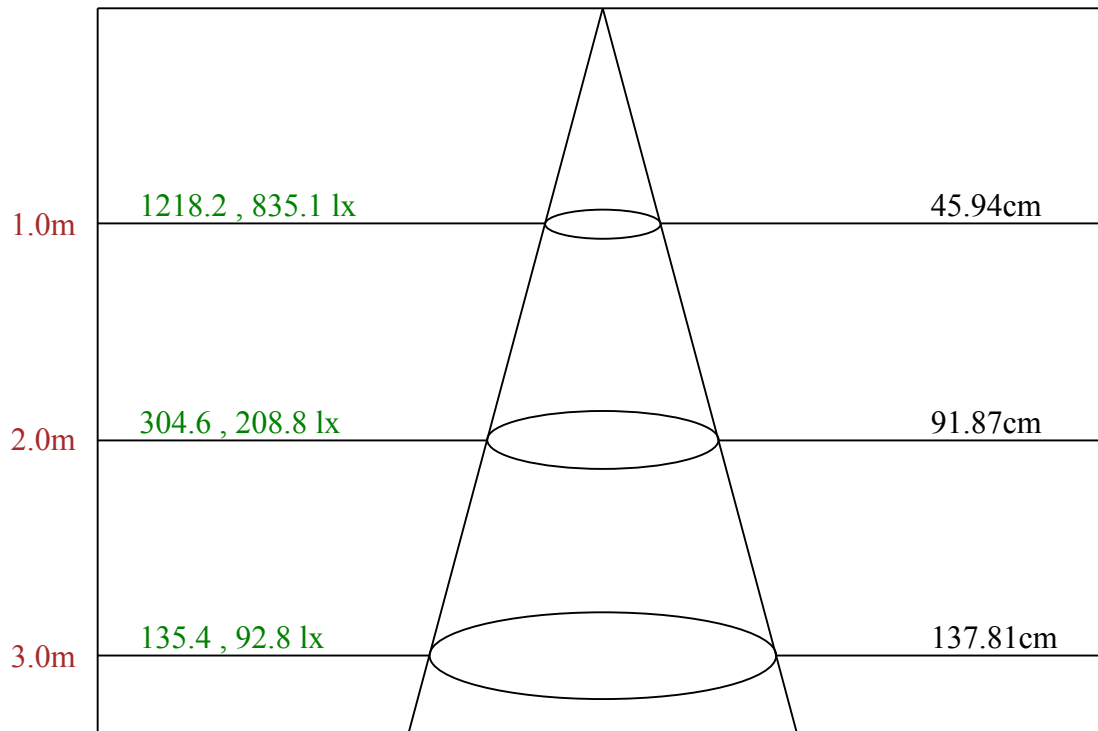
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 14/05/2025
Humidity(%): 60.0%

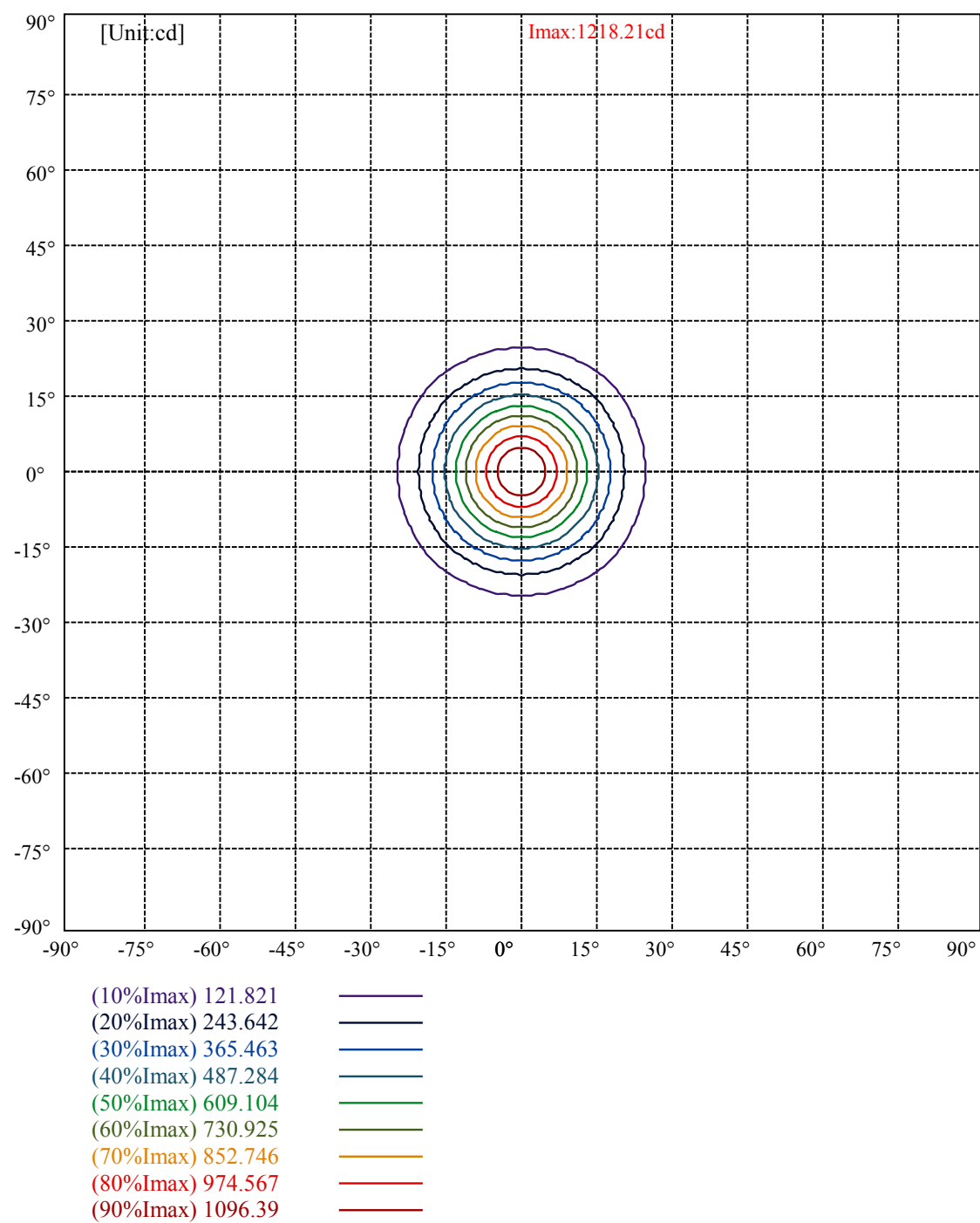
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 25.87



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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	2428	1611	1230	1131	1246	1453	1863	2776	5326
C45	2428	1611	1230	1131	1246	1453	1863	2776	5326
C90	2428	1611	1230	1131	1246	1453	1863	2776	5326

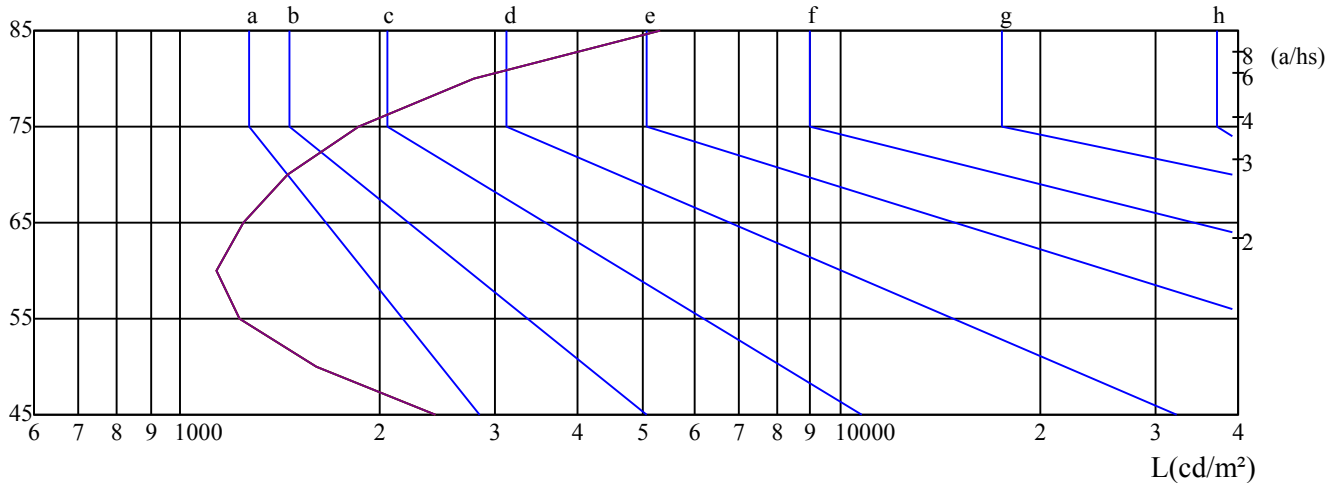
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1246	1246	1246	1863	1863	1863	5326	5326	5326

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: 14/05/2025
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	6.94	7.83	7.34	8.19	8.56	8.10	9.00	8.51	9.36	9.73
	3H	7.38	8.18	7.81	8.56	8.96	8.38	9.18	8.81	9.56	9.96
	4H	7.89	8.63	8.33	9.03	9.45	8.73	9.47	9.17	9.87	10.29
	6H	8.76	9.43	9.22	9.85	10.30	9.45	10.12	9.91	10.54	10.99
	8H	9.35	9.99	9.81	10.42	10.88	9.95	10.59	10.41	11.02	11.48
	12H	10.10	10.71	10.57	11.15	11.62	10.56	11.17	11.03	11.60	12.07
4H	2H	6.86	7.60	7.30	8.00	8.42	7.96	8.69	8.40	9.09	9.51
	3H	7.56	8.17	8.02	8.61	9.08	8.42	9.04	8.89	9.48	9.95
	4H	8.36	8.90	8.84	9.36	9.86	9.04	9.57	9.51	10.04	10.54
	6H	9.52	10.00	10.04	10.49	10.99	10.04	10.51	10.55	11.01	11.51
	8H	10.33	10.77	10.85	11.26	11.79	10.77	11.20	11.29	11.70	12.22
	12H	11.32	11.72	11.85	12.21	12.78	11.62	12.02	12.14	12.51	13.08
8H	4H	8.65	9.08	9.17	9.58	10.11	9.24	9.68	9.76	10.18	10.70
	6H	10.13	10.48	10.67	11.00	11.56	10.55	10.91	11.10	11.43	11.99
	8H	11.21	11.51	11.78	12.07	12.61	11.54	11.84	12.11	12.40	12.94
	12H	12.46	12.68	13.04	13.24	13.81	12.66	12.88	13.24	13.44	14.01
12H	4H	8.75	9.15	9.28	9.64	10.21	9.32	9.72	9.84	10.21	10.78
	6H	10.39	10.68	10.96	11.24	11.79	10.78	11.08	11.35	11.63	12.18
	8H	11.55	11.78	12.13	12.33	12.90	11.85	12.07	12.43	12.63	13.20
Variation with the observer position at spacings:											
S = 1.0H		2.6/-1.7					2.6/-1.7				
S = 1.5H		3.1/-1.5					3.1/-1.5				
S = 2.0H		3.5/-1.4					3.5/-1.4				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-5.5					-5.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra 8 c serie 3 fa

LampCAT: modulo led 3W 30K irc 90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 127.9300

Test No:

Current(A): 0.0630

Number of Lamps: 1

Power (W): 3.7990

Lamp flux(lm): 395.0

PF: 0.4700

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 244.37, Efficiency(%): 61.87% , Luminous Efficacy(lm/W): 64.32

Central intensity(cd): 344.934, Maximum intensity(cd): 344.934

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

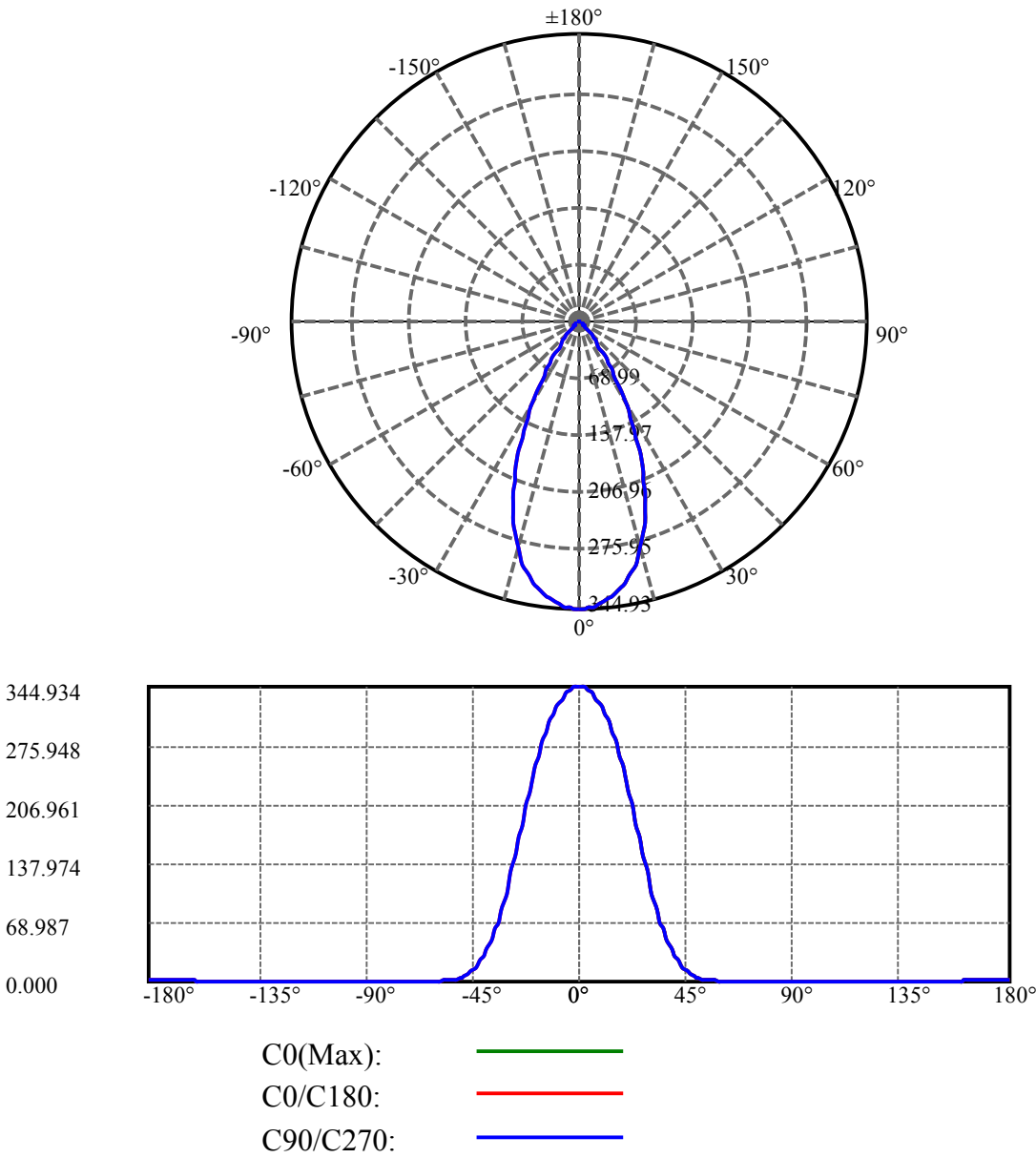
Beam angle of C0 plane : 49.47

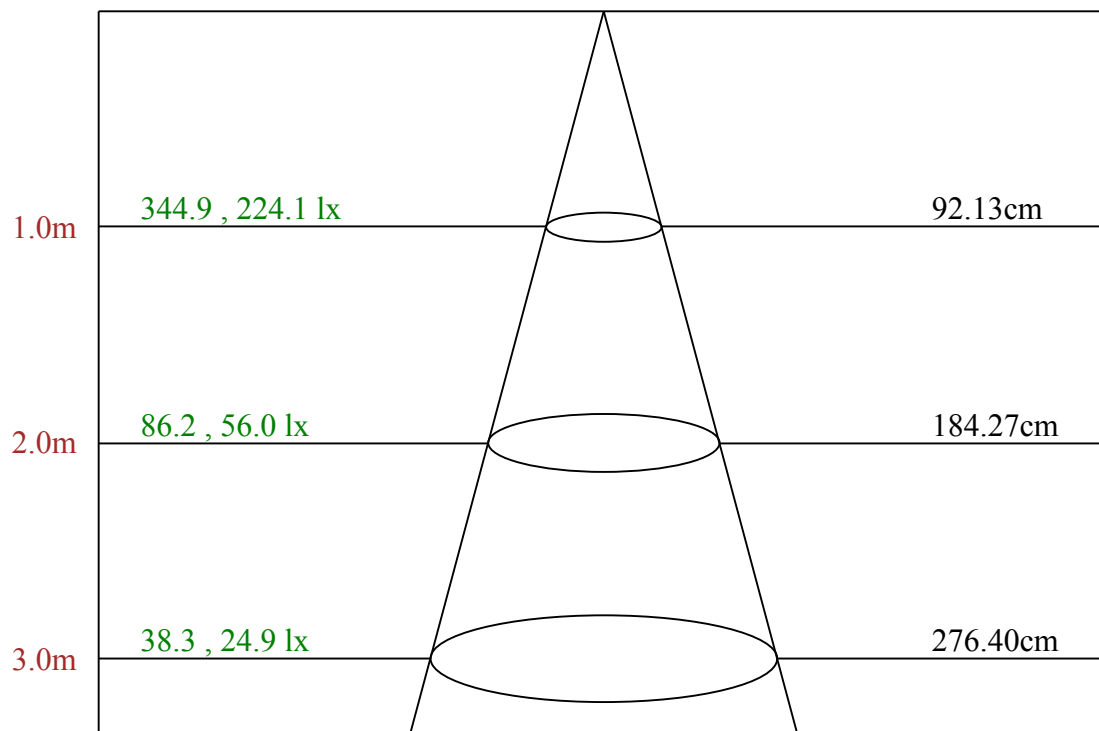
Average BeamAngle(IEC 61341): 49.47

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 14/05/2025
Humidity(%): 60.0%

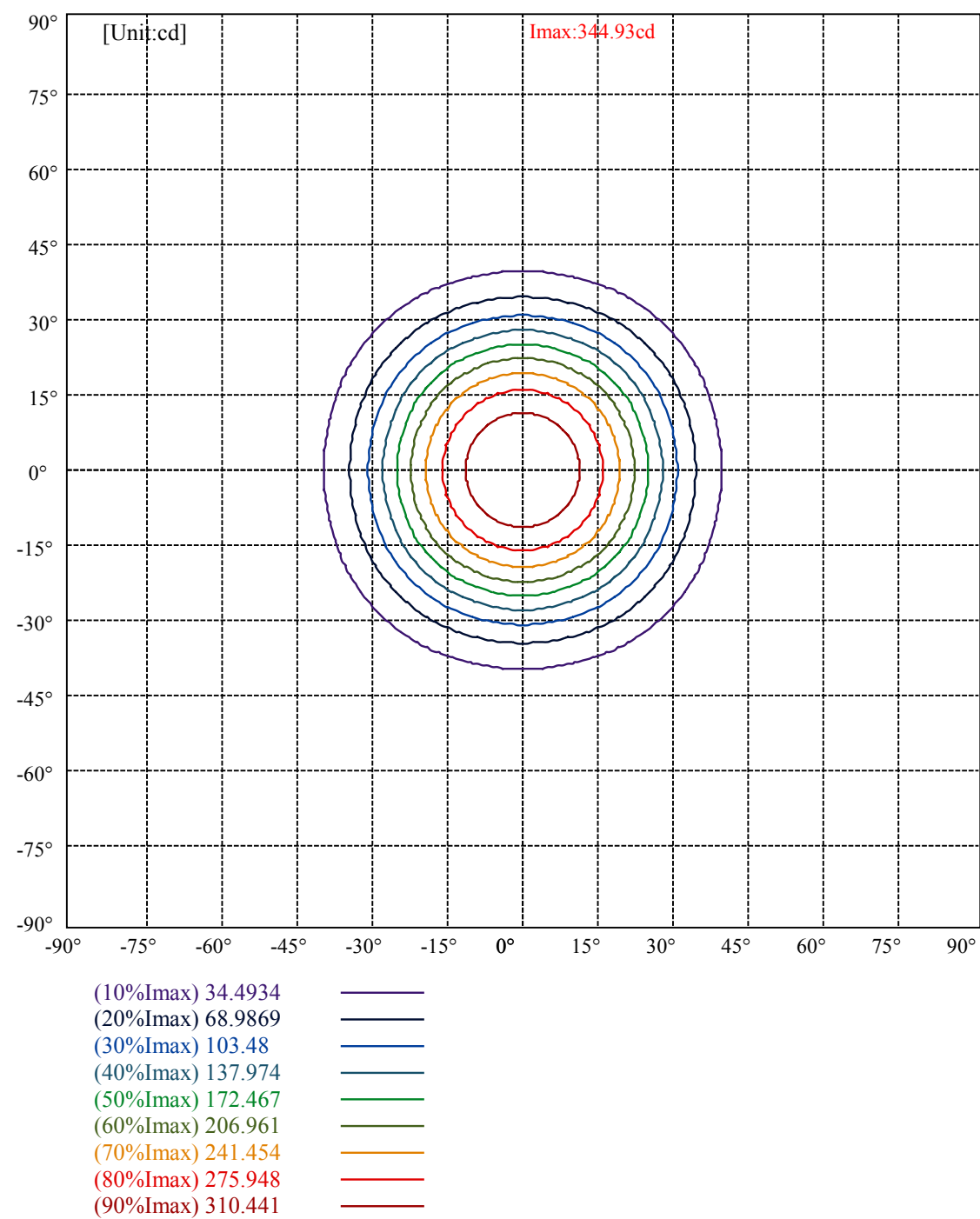
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 49.47



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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	8408	2819	1110	958	993	1070	1311	1885	3790
C45	8408	2819	1110	958	993	1070	1311	1885	3790
C90	8408	2819	1110	958	993	1070	1311	1885	3790

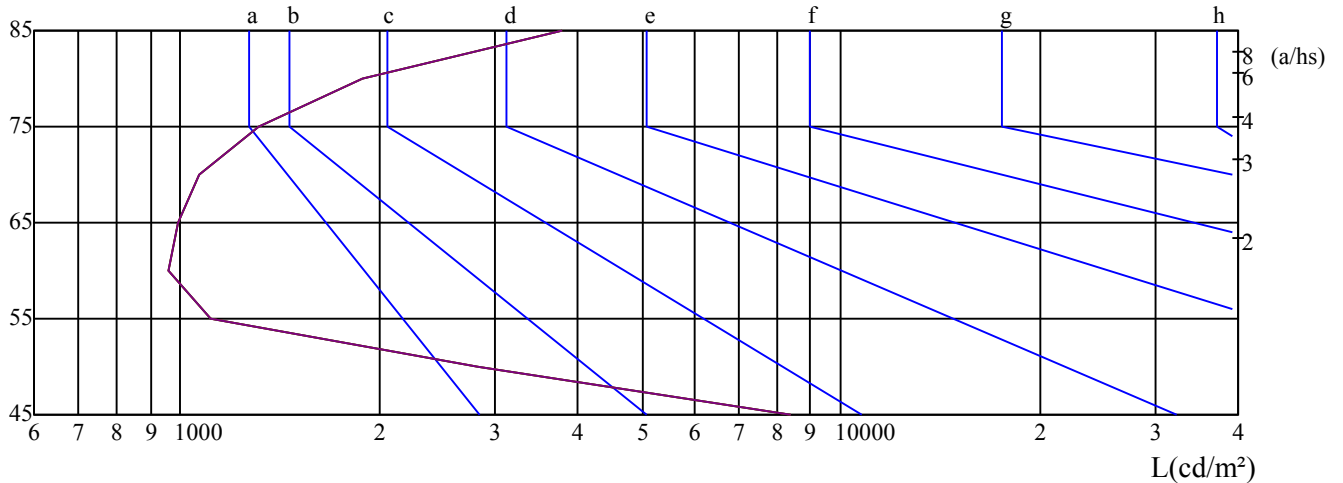
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
993	993	993	1311	1311	1311	3790	3790	3790

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: 14/05/2025
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	18.22	19.16	18.62	19.51	19.88	18.80	19.74	19.20	20.09	20.46
	3H	18.02	18.86	18.45	19.24	19.63	18.60	19.44	19.03	19.82	20.21
	4H	17.93	18.70	18.37	19.10	19.52	18.51	19.28	18.95	19.68	20.10
	6H	17.87	18.58	18.33	18.99	19.44	18.45	19.16	18.91	19.57	20.02
	8H	17.83	18.50	18.28	18.92	19.38	18.40	19.08	18.86	19.50	19.95
	12H	17.80	18.44	18.27	18.87	19.34	18.37	19.01	18.83	19.44	19.91
4H	2H	17.91	18.68	18.34	19.07	19.49	18.48	19.26	18.92	19.65	20.07
	3H	17.68	18.33	18.14	18.76	19.22	18.26	18.91	18.72	19.34	19.80
	4H	17.63	18.19	18.10	18.65	19.14	18.21	18.76	18.68	19.23	19.72
	6H	17.54	18.03	18.05	18.52	19.02	18.11	18.61	18.62	19.10	19.59
	8H	17.54	17.99	18.06	18.49	19.01	18.11	18.56	18.63	19.06	19.57
	12H	17.58	18.00	18.10	18.48	19.05	18.13	18.55	18.65	19.04	19.60
8H	4H	17.44	17.90	17.96	18.39	18.91	18.02	18.47	18.54	18.97	19.49
	6H	17.37	17.75	17.91	18.26	18.82	17.94	18.31	18.48	18.82	19.38
	8H	17.44	17.76	18.01	18.31	18.85	18.00	18.31	18.57	18.87	19.41
	12H	17.54	17.78	18.12	18.33	18.90	18.08	18.32	18.65	18.87	19.43
12H	4H	17.40	17.82	17.92	18.30	18.87	17.97	18.39	18.49	18.88	19.44
	6H	17.37	17.69	17.94	18.24	18.78	17.94	18.25	18.50	18.81	19.35
	8H	17.42	17.66	18.00	18.21	18.78	17.98	18.22	18.55	18.77	19.33
Variation with the observer position at spacings:											
S = 1.0H		4.8/-10.2					4.8/-10.2				
S = 1.5H		7.4/-8.4					7.4/-8.4				
S = 2.0H		9.2/-7.1					9.2/-7.1				
Standard tables:		BK1					BK1				
Uncorrected UGR		-2.9					-2.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra 8 c serie 3 fc

LampCAT: modulo led 6W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 127.8500

Test No:

Current(A): 0.0620

Number of Lamps: 1

Power (W): 7.5550

Lamp flux(lm): 700.0

PF: 0.9520

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 498.60, Efficiency(%): 71.23% , Luminous Efficacy(lm/W): 66.00

Central intensity(cd): 2993.145, Maximum intensity(cd): 2993.145

Angle of maximum intensity: C=0.0 γ =0.0

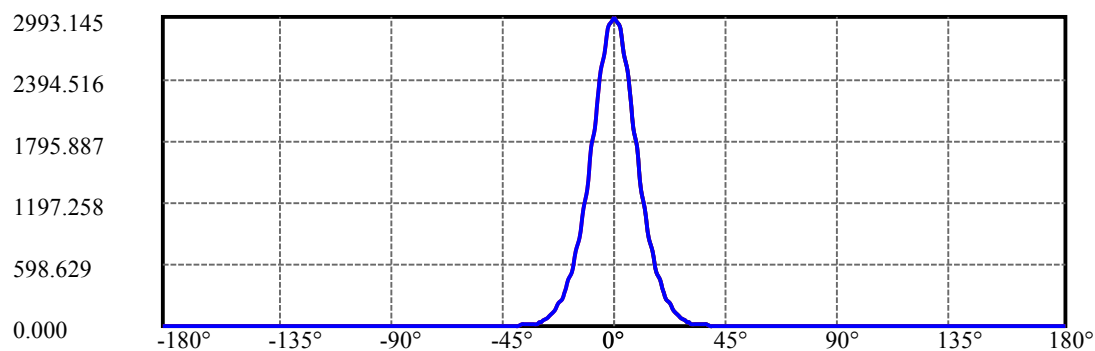
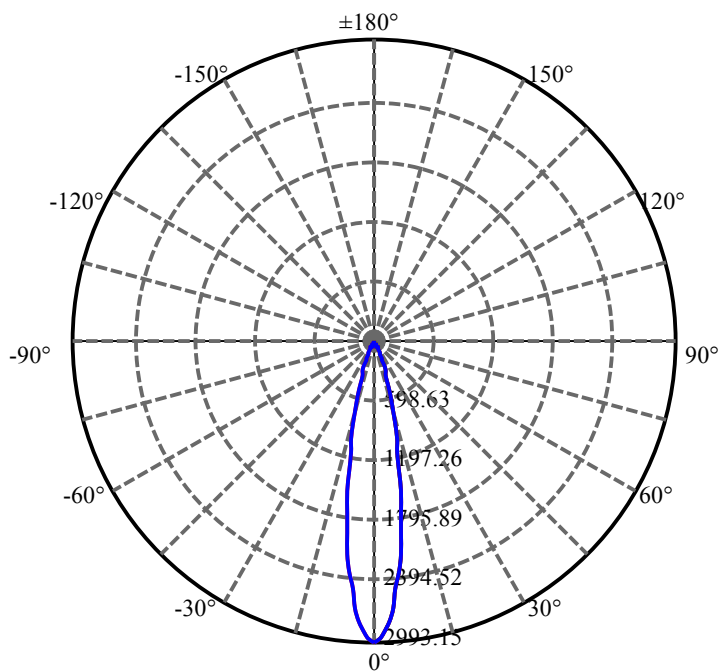
Beam angle of C0 plane : 20.19

Aveage BeamAngle(IEC 61341):20.19

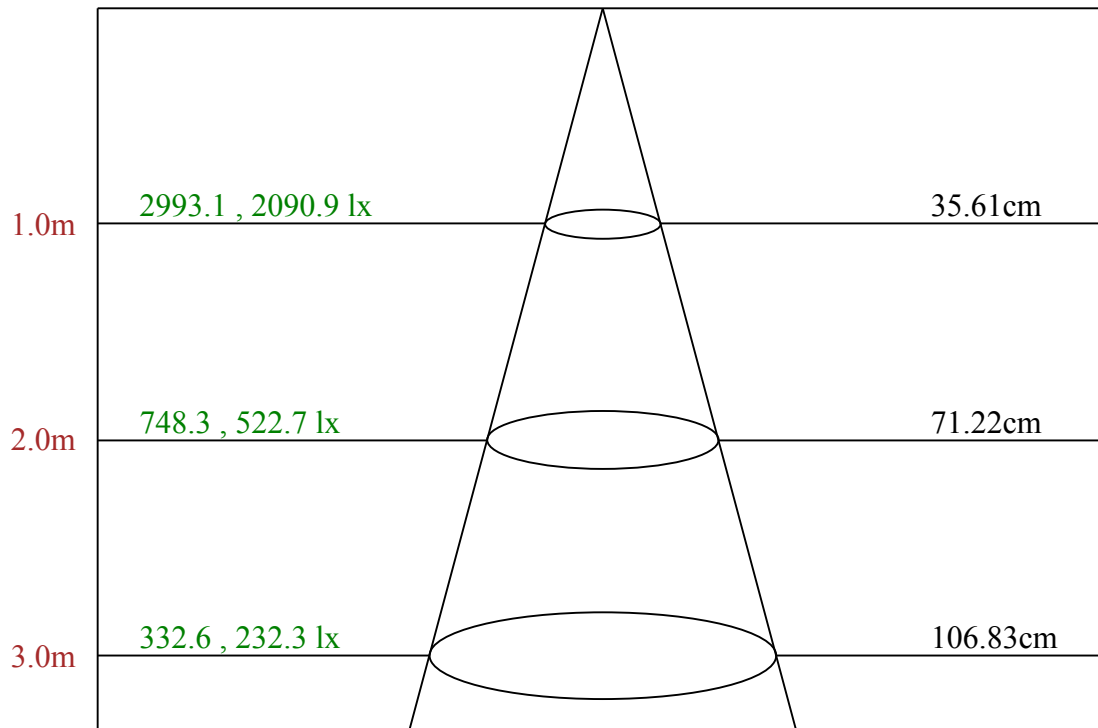
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 14/05/2025
Humidity(%): 60.0%

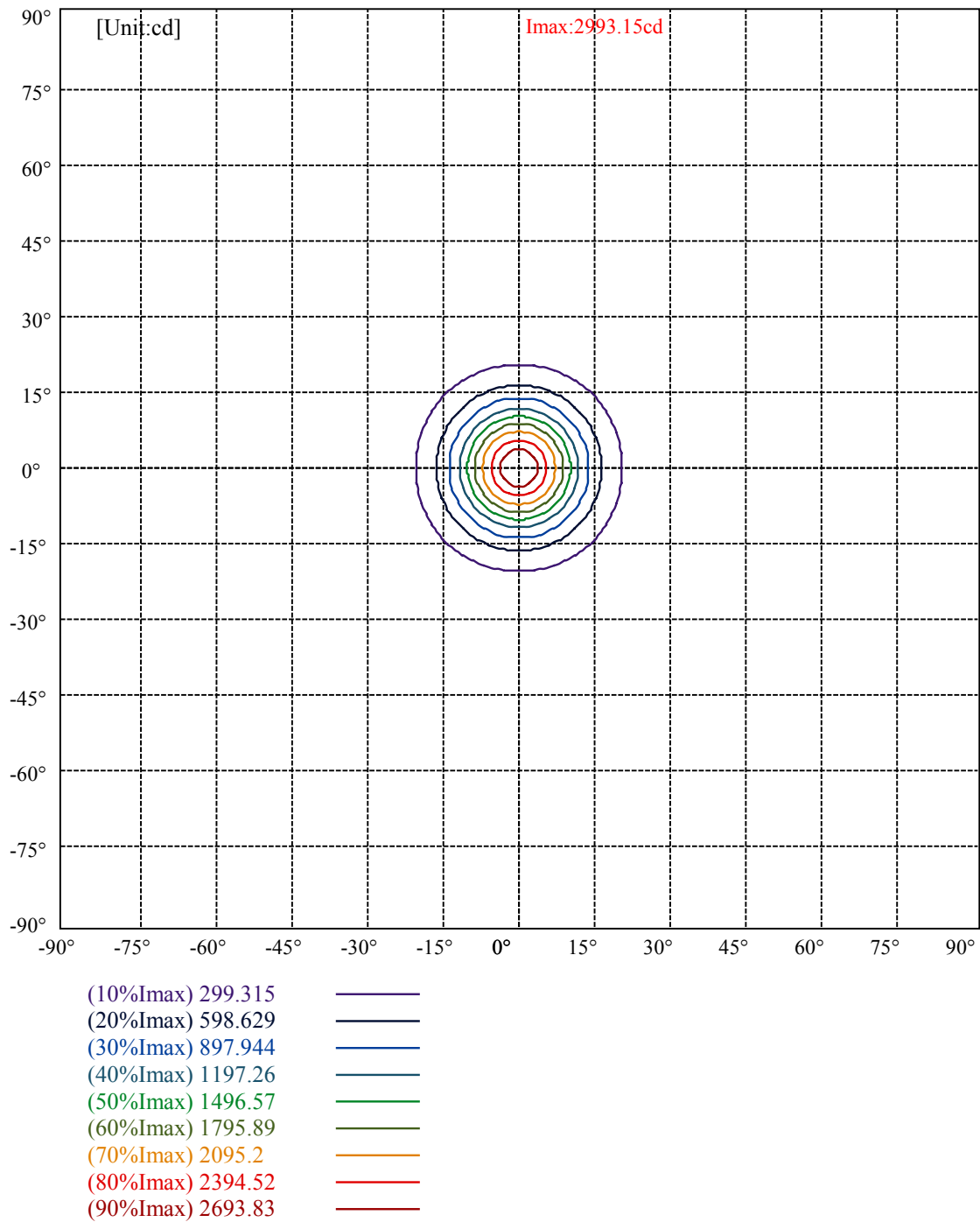
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 20.19



Luminance Table

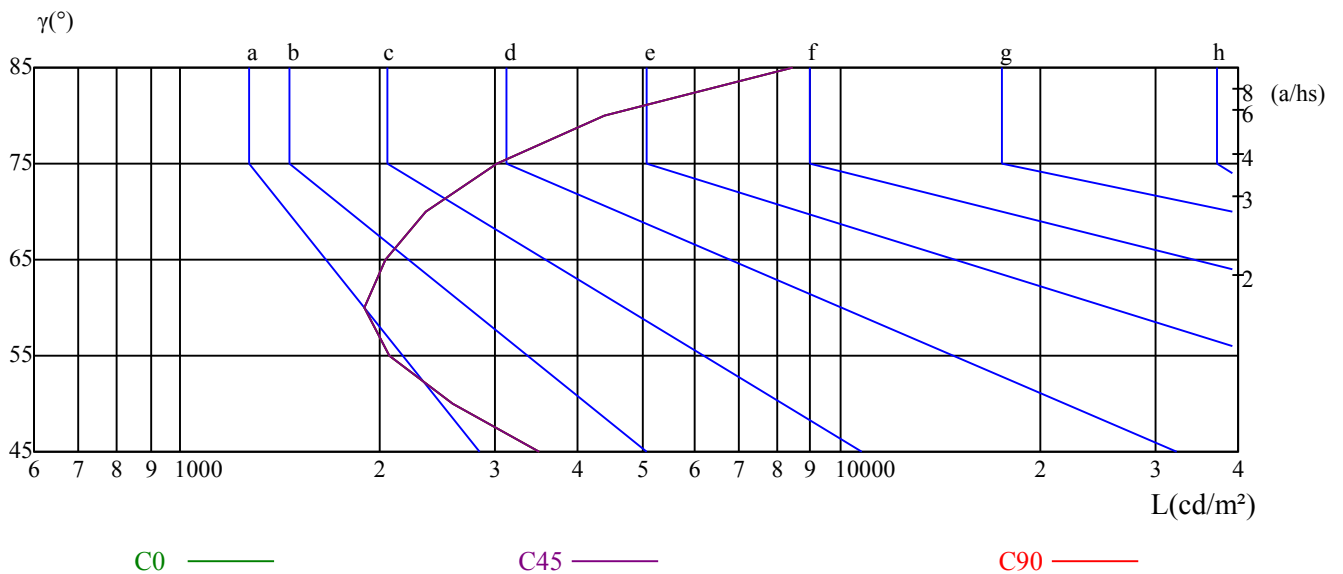
γ	45	50	55	60	65	70	75	80	85
C0	3501	2588	2075	1904	2049	2349	3012	4387	8467
C45	3501	2588	2075	1904	2049	2349	3012	4387	8467
C90	3501	2588	2075	1904	2049	2349	3012	4387	8467

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2049	2049	2049	3012	3012	3012	8467	8467	8467

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



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	7.38	8.28	7.79	8.63	9.00	6.76	7.65	7.16	8.01	8.38
	3H	8.11	8.90	8.53	9.28	9.68	7.67	8.46	8.09	8.84	9.24
	4H	8.78	9.52	9.22	9.91	10.33	8.38	9.12	8.82	9.51	9.93
	6H	9.85	10.52	10.30	10.94	11.39	9.49	10.16	9.95	10.58	11.03
	8H	10.52	11.16	10.98	11.58	12.04	10.23	10.87	10.69	11.30	11.76
	12H	11.43	12.04	11.90	12.48	12.94	11.14	11.75	11.61	12.18	12.65
4H	2H	7.43	8.17	7.87	8.56	8.98	6.88	7.62	7.32	8.02	8.43
	3H	8.45	9.07	8.91	9.50	9.97	8.10	8.72	8.56	9.15	9.62
	4H	9.44	9.97	9.91	10.43	10.93	9.12	9.65	9.60	10.12	10.61
	6H	10.78	11.25	11.29	11.75	12.25	10.51	10.98	11.02	11.47	11.97
	8H	11.65	12.09	12.18	12.59	13.11	11.44	11.88	11.97	12.38	12.90
	12H	12.79	13.19	13.32	13.68	14.25	12.55	12.96	13.08	13.45	14.01
8H	4H	9.81	10.24	10.33	10.74	11.26	9.54	9.97	10.06	10.47	10.99
	6H	11.47	11.82	12.01	12.34	12.90	11.25	11.60	11.79	12.12	12.68
	8H	12.60	12.90	13.17	13.46	14.00	12.45	12.74	13.01	13.30	13.84
	12H	14.00	14.22	14.58	14.77	15.34	13.80	14.02	14.38	14.57	15.14
12H	4H	9.92	10.32	10.45	10.81	11.38	9.67	10.07	10.20	10.56	11.13
	6H	11.75	12.04	12.31	12.60	13.14	11.55	11.84	12.12	12.40	12.94
	8H	12.97	13.19	13.55	13.74	14.31	12.83	13.05	13.41	13.60	14.17
Variation with the observer position at spacings:											
S = 1.0H		1.3/-1.1					1.3/-1.1				
S = 1.5H		1.5/-1.2					1.5/-1.2				
S = 2.0H		1.7/-1.2					1.7/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.8					-4.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra 8 c serie 3 fm

LampCAT: modulo led 6W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 127.8400

Test No:

Current(A): 0.0620

Number of Lamps: 1

Power (W): 7.5480

Lamp flux(lm): 700.0

PF: 0.9510

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 507.17, Efficiency(%): 72.45% , Luminous Efficacy(lm/W): 67.19

Central intensity(cd): 2056.014, Maximum intensity(cd): 2056.014

Angle of maximum intensity: C=0.0 γ =0.0

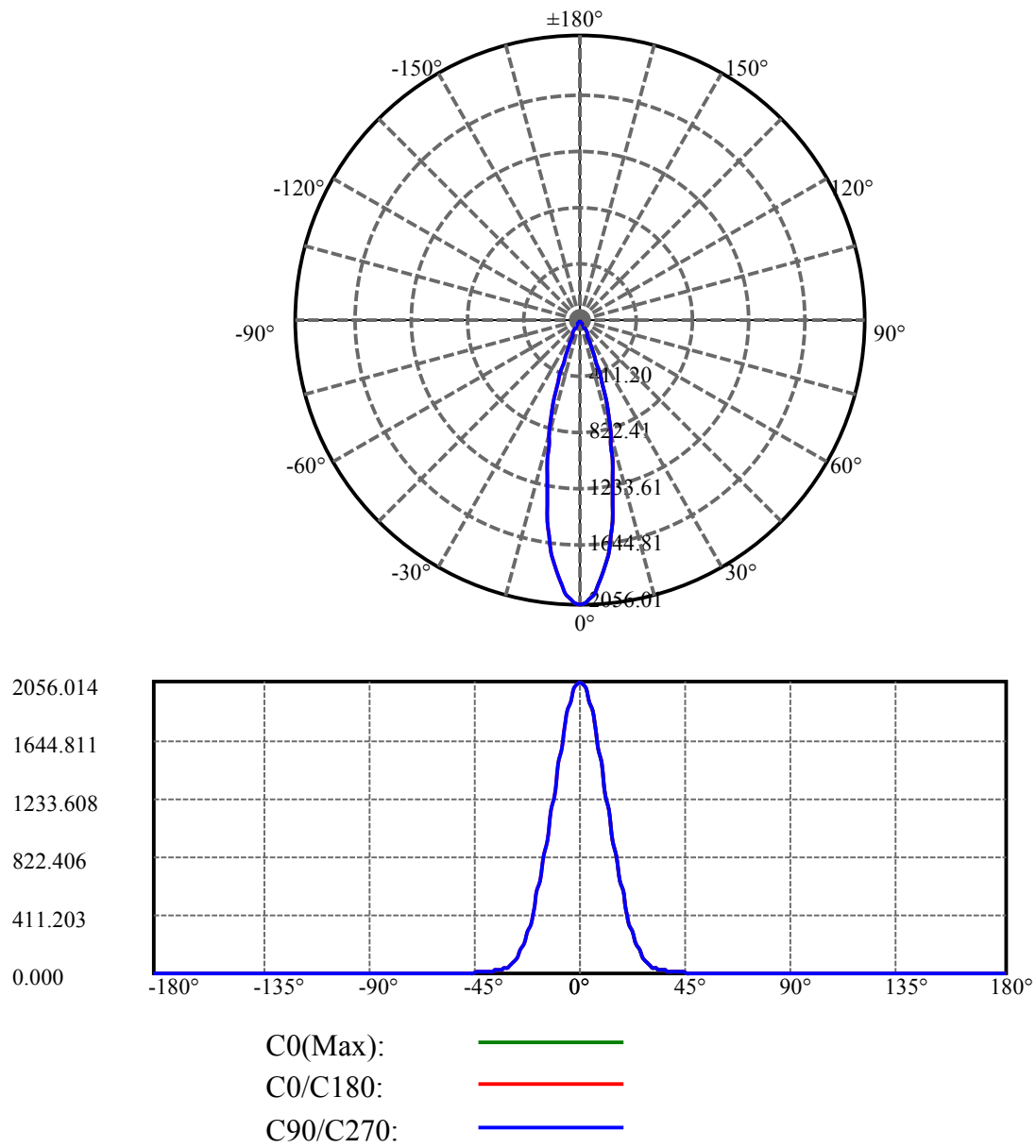
Beam angle of C0 plane : 26.24

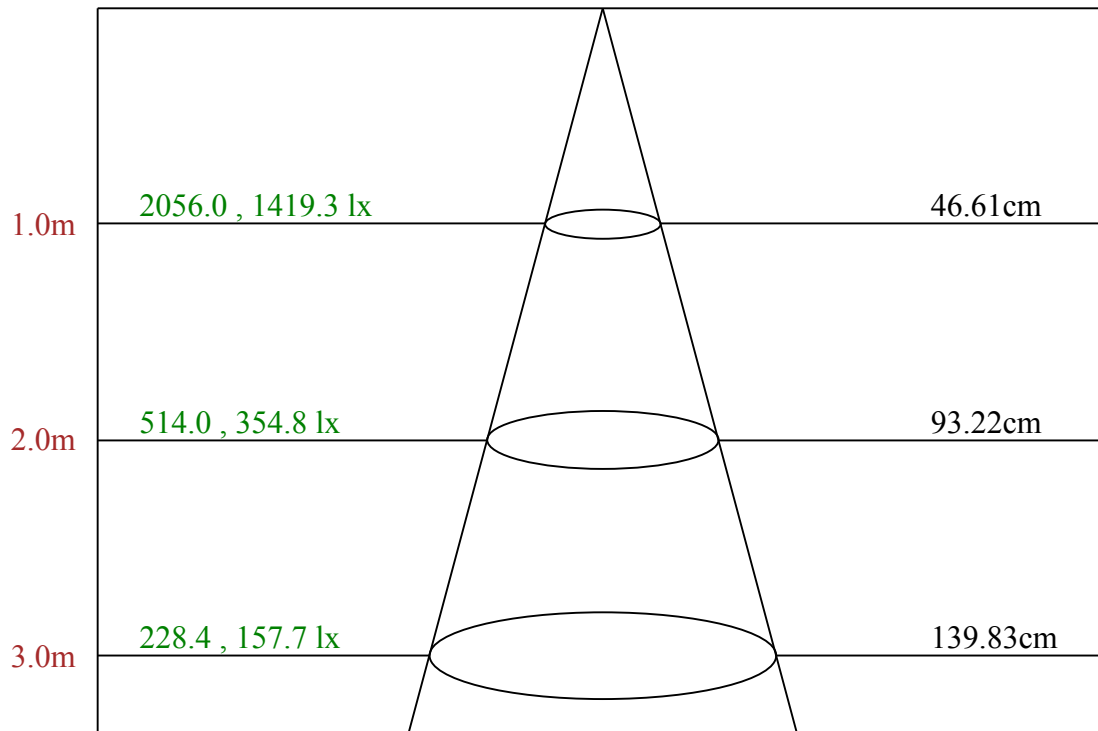
Average BeamAngle(IEC 61341): 26.24

Equipment: equipamento lumini
Temperature(°C): 25.5

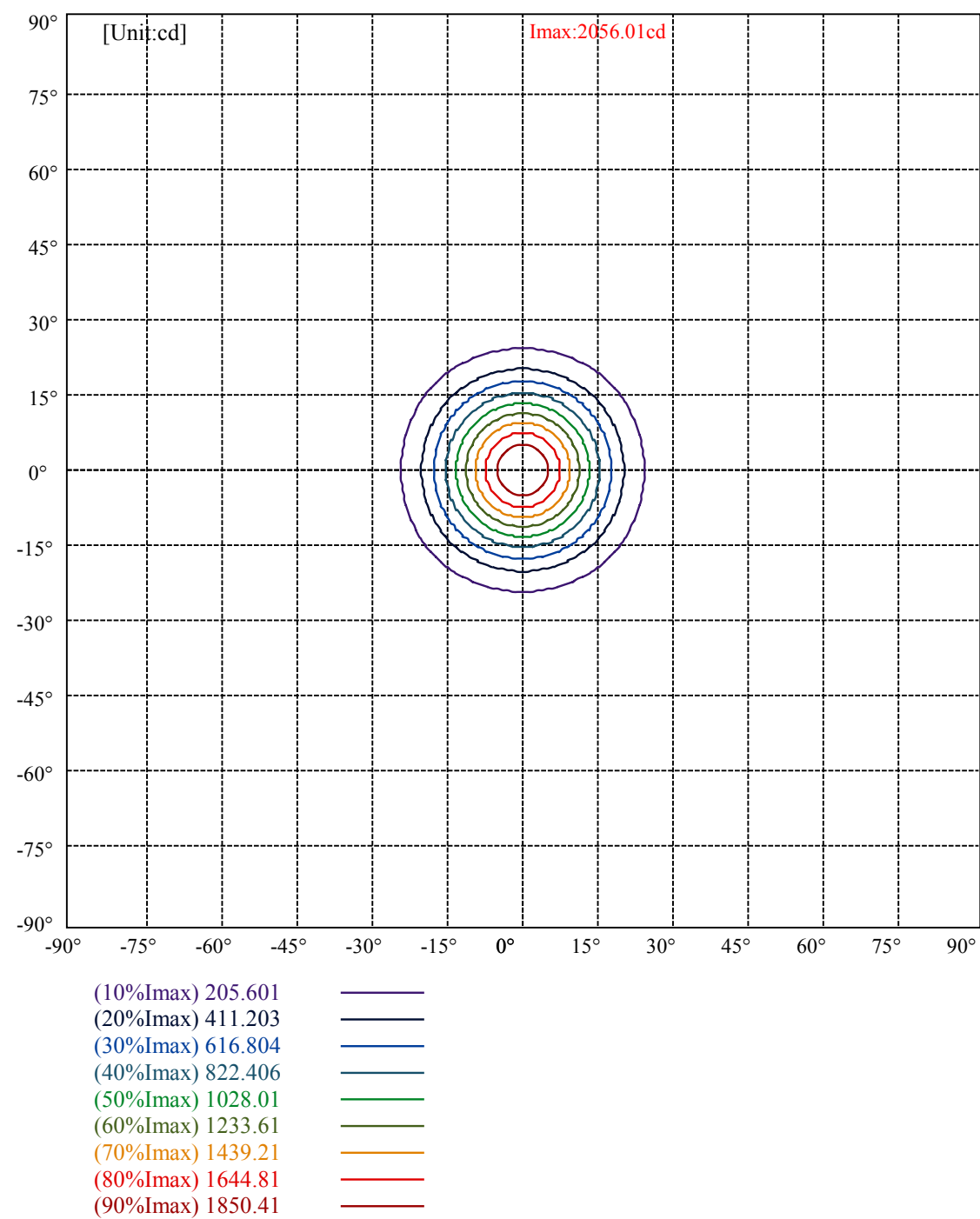
Date: 14/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 26.24



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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	4322	2801	2106	1970	2133	2488	3173	4695	9252
C45	4322	2801	2106	1970	2133	2488	3173	4695	9252
C90	4322	2801	2106	1970	2133	2488	3173	4695	9252

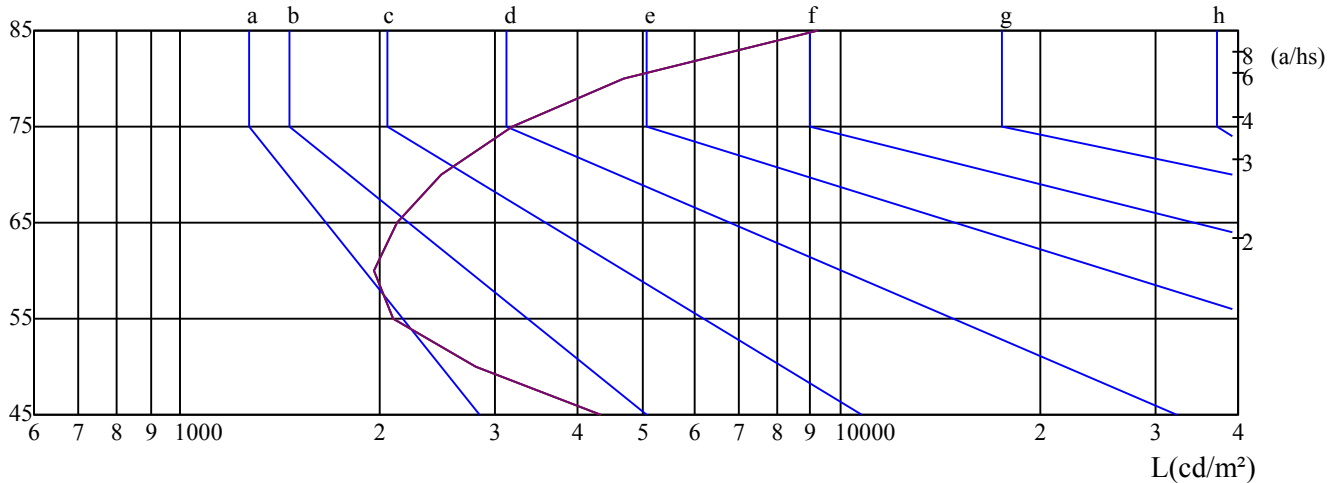
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2133	2133	2133	3173	3173	3173	9252	9252	9252

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: 14/05/2025
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	9.18	10.07	9.58	10.43	10.80	9.97	10.87	10.38	11.22	11.59
	3H	9.59	10.39	10.02	10.77	11.17	10.28	11.07	10.71	11.46	11.86
	4H	10.05	10.79	10.49	11.19	11.61	10.62	11.36	11.07	11.76	12.18
	6H	10.86	11.53	11.32	11.95	12.40	11.29	11.96	11.75	12.38	12.83
	8H	11.46	12.10	11.92	12.53	12.99	11.77	12.41	12.23	12.84	13.30
	12H	12.25	12.85	12.71	13.29	13.76	12.45	13.06	12.92	13.50	13.97
4H	2H	9.09	9.82	9.53	10.22	10.64	9.83	10.57	10.27	10.97	11.39
	3H	9.72	10.34	10.19	10.78	11.25	10.32	10.94	10.79	11.38	11.85
	4H	10.46	11.00	10.94	11.46	11.96	10.92	11.46	11.40	11.92	12.42
	6H	11.56	12.04	12.08	12.53	13.03	11.87	12.34	12.38	12.83	13.33
	8H	12.40	12.83	12.92	13.33	13.86	12.58	13.01	13.10	13.51	14.04
	12H	13.44	13.84	13.97	14.33	14.90	13.52	13.93	14.05	14.42	14.99
8H	4H	10.72	11.15	11.24	11.65	12.18	11.12	11.56	11.65	12.06	12.58
	6H	12.14	12.50	12.68	13.01	13.58	12.38	12.73	12.92	13.25	13.81
	8H	13.25	13.55	13.82	14.11	14.65	13.36	13.66	13.93	14.22	14.77
	12H	14.57	14.79	15.15	15.35	15.92	14.59	14.82	15.17	15.37	15.94
12H	4H	10.81	11.21	11.34	11.70	12.27	11.20	11.60	11.73	12.09	12.66
	6H	12.40	12.69	12.97	13.25	13.80	12.62	12.91	13.19	13.47	14.02
	8H	13.58	13.81	14.16	14.37	14.94	13.68	13.91	14.26	14.46	15.03
Variation with the observer position at spacings:											
S = 1.0H		2.6/-1.8					2.6/-1.8				
S = 1.5H		3.1/-1.6					3.1/-1.6				
S = 2.0H		3.5/-1.5					3.5/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.5					-3.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: concentra 8 c serie 3 fa

LampCAT: modulo led 6W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 127.8900

Test No:

Current(A): 0.0620

Number of Lamps: 1

Power (W): 7.5340

Lamp flux(lm): 700.0

PF: 0.9520

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 434.91, Efficiency(%): 62.13% , Luminous Efficacy(lm/W): 57.73

Central intensity(cd): 571.784, Maximum intensity(cd): 571.784

Angle of maximum intensity: C=0.0 γ =0.0

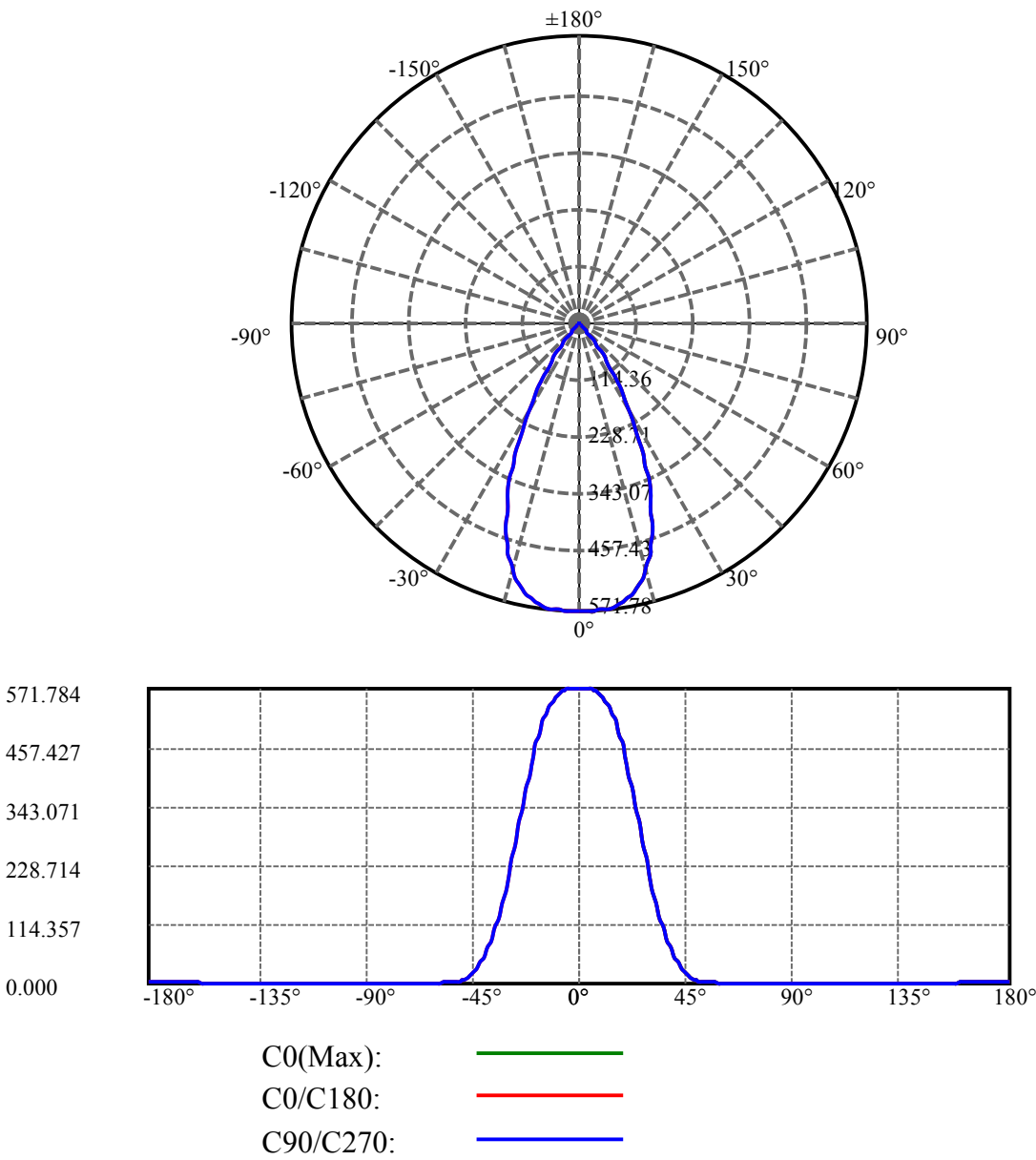
Beam angle of C0 plane : 52.21

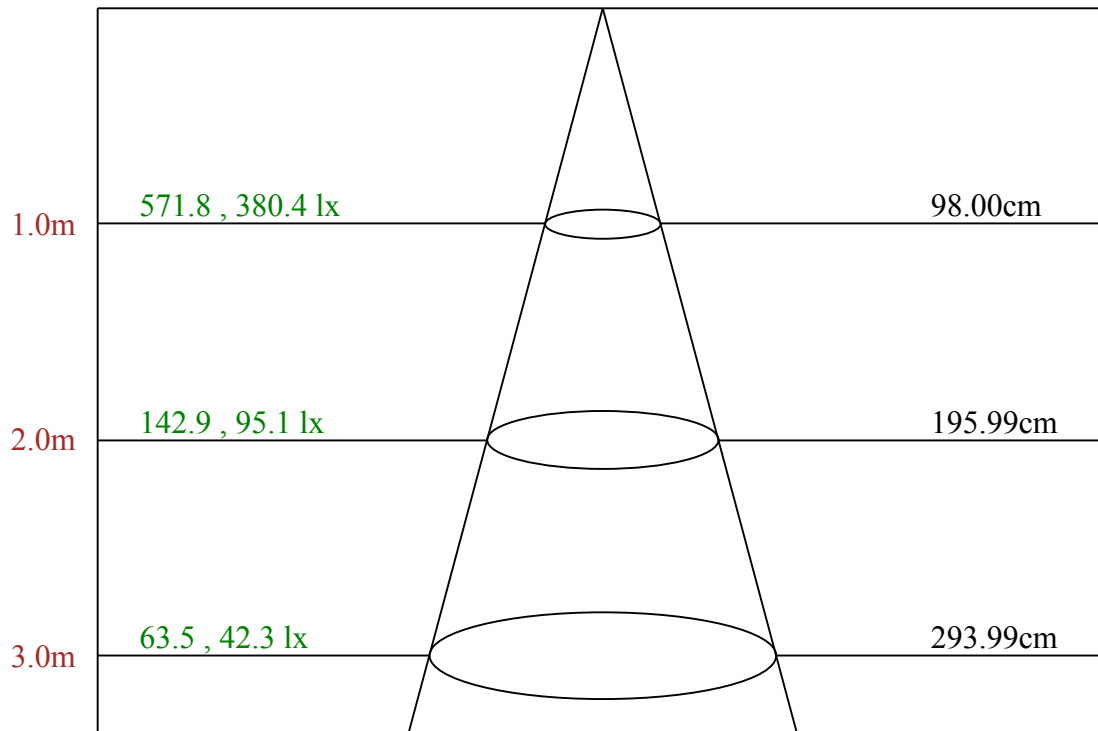
Average BeamAngle(IEC 61341): 52.21

Equipment: equipamento lumini
Temperature(°C): 25.5

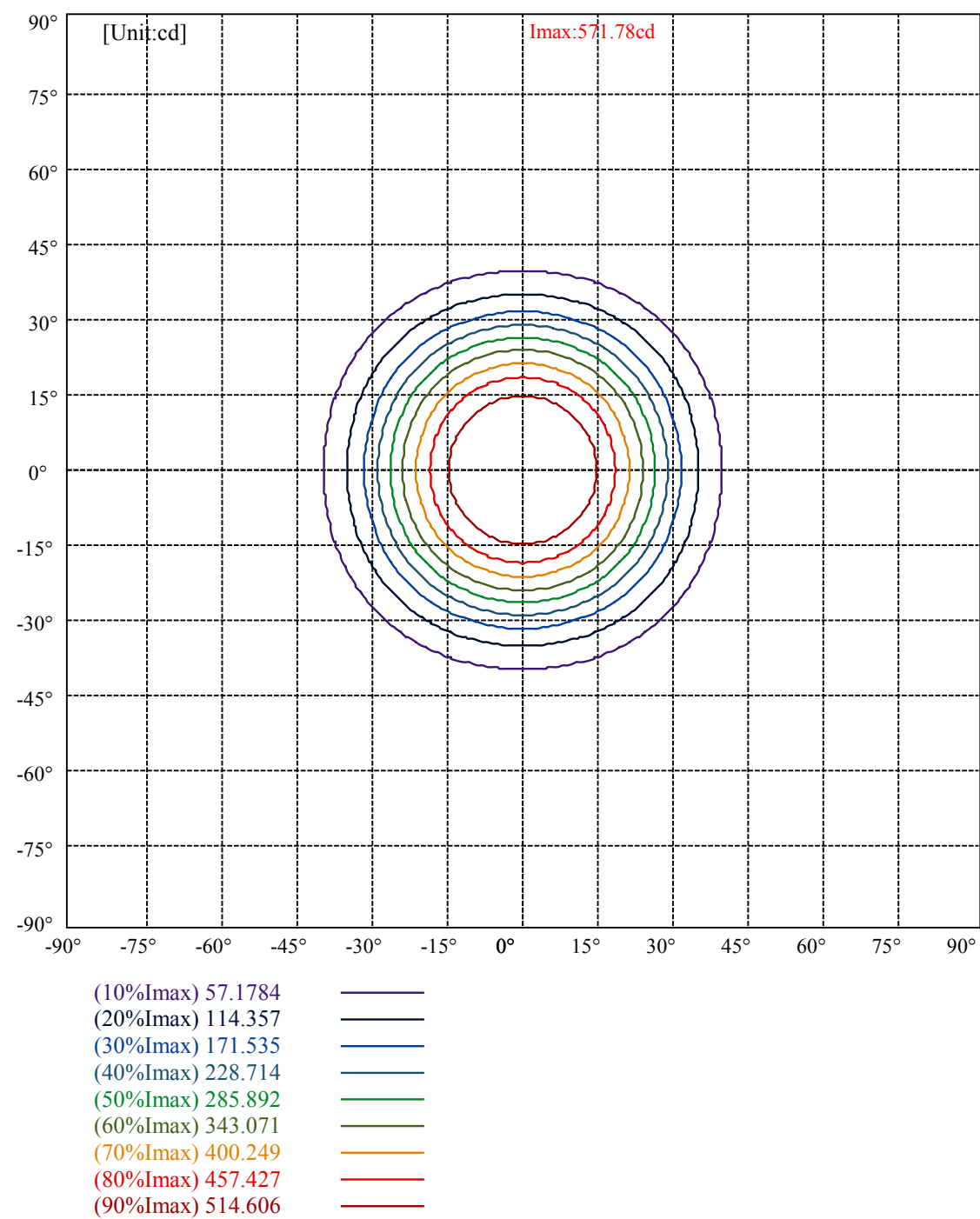
Date: 13/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 52.21



Luminance Table

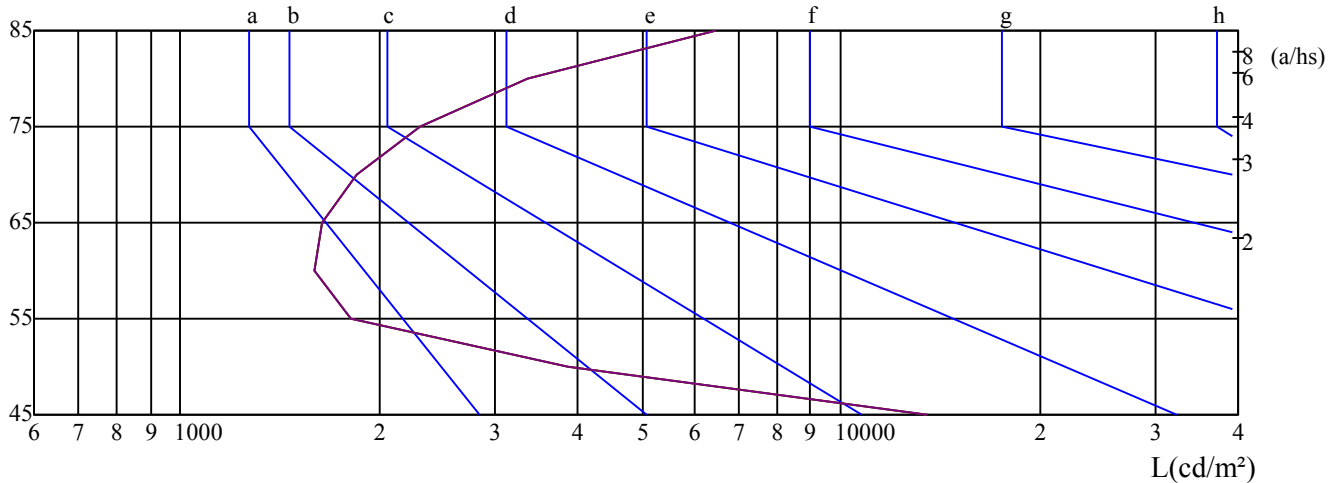
γ	45	50	55	60	65	70	75	80	85
C0	13483	3856	1811	1595	1633	1844	2299	3359	6487
C45	13483	3856	1811	1595	1633	1844	2299	3359	6487
C90	13483	3856	1811	1595	1633	1844	2299	3359	6487

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1633	1633	1633	2299	2299	2299	6487	6487	6487

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 ———

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	20.58	21.51	20.98	21.87	22.23	20.14	21.07	20.54	21.42	21.79
	3H	20.38	21.21	20.81	21.59	21.98	19.94	20.77	20.37	21.15	21.54
	4H	20.29	21.06	20.73	21.45	21.87	19.85	20.62	20.29	21.01	21.43
	6H	20.23	20.93	20.69	21.35	21.79	19.80	20.50	20.25	20.91	21.36
	8H	20.18	20.85	20.64	21.27	21.73	19.75	20.42	20.21	20.84	21.29
	12H	20.15	20.78	20.61	21.22	21.68	19.73	20.36	20.19	20.79	21.25
4H	2H	20.27	21.03	20.70	21.43	21.84	19.82	20.59	20.26	20.98	21.40
	3H	20.04	20.68	20.50	21.11	21.57	19.60	20.24	20.06	20.67	21.13
	4H	19.98	20.54	20.46	21.00	21.49	19.55	20.10	20.02	20.56	21.06
	6H	19.90	20.38	20.40	20.87	21.37	19.47	19.95	19.97	20.44	20.94
	8H	19.88	20.33	20.40	20.83	21.35	19.46	19.91	19.98	20.41	20.92
	12H	19.91	20.33	20.43	20.81	21.38	19.50	19.91	20.02	20.40	20.97
8H	4H	19.80	20.25	20.31	20.74	21.26	19.36	19.81	19.88	20.31	20.83
	6H	19.72	20.09	20.26	20.60	21.16	19.30	19.67	19.84	20.18	20.74
	8H	19.78	20.09	20.35	20.65	21.19	19.37	19.68	19.94	20.23	20.77
	12H	19.86	20.10	20.44	20.65	21.22	19.47	19.71	20.04	20.26	20.82
12H	4H	19.75	20.16	20.27	20.65	21.21	19.32	19.73	19.84	20.22	20.78
	6H	19.72	20.03	20.29	20.58	21.12	19.30	19.61	19.87	20.16	20.70
	8H	19.76	20.00	20.33	20.55	21.11	19.35	19.59	19.93	20.14	20.70
Variation with the observer position at spacings:											
S = 1.0H		5.0/-10.5					5.0/-10.5				
S = 1.5H		7.6/-8.5					7.6/-8.5				
S = 2.0H		9.4/-7.2					9.4/-7.2				
Standard tables:		BK1					BK1				
Uncorrected UGR		-1.0					-1.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25