concentra flex 34 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 fachos 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

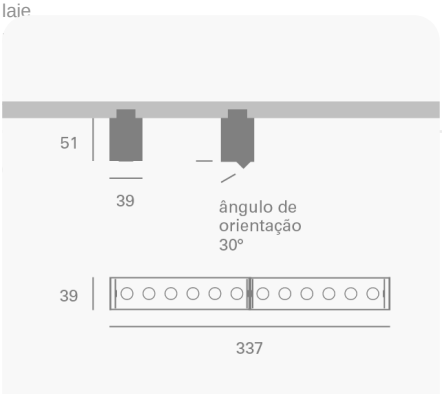
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
12	concentrado	2700		
12	médio	2700		
12	aberto	2700		
12	concentrado	3000	1430	1089
12	médio	3000	1430	1113
12	aberto	3000	1430	874
12	concentrado	4000		
12	médio	4000		
12	aberto	4000		
24	concentrado	2700		
24	médio	2700		
24	aberto	2700		
24	concentrado	3000	2715	1905
24	médio	3000	2715	1953
24	aberto	3000	2715	1582
24	concentrado	4000		
24	médio	4000		
24	aberto	4000		

equipamentos
LED driver 700mA (incluso, ponto remoto)

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

instalação
forro de gesso
laje

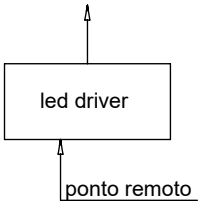


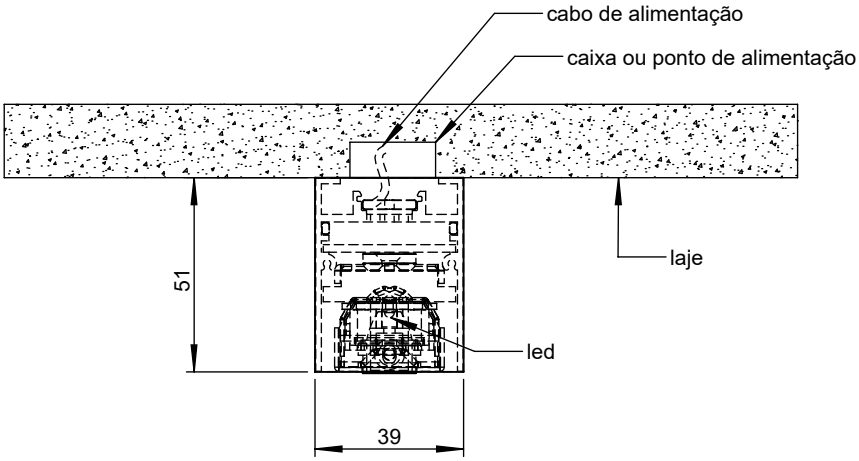
acabamentos e cores

cores

vista lateral

dimensões em milímetros





concentra flex 34 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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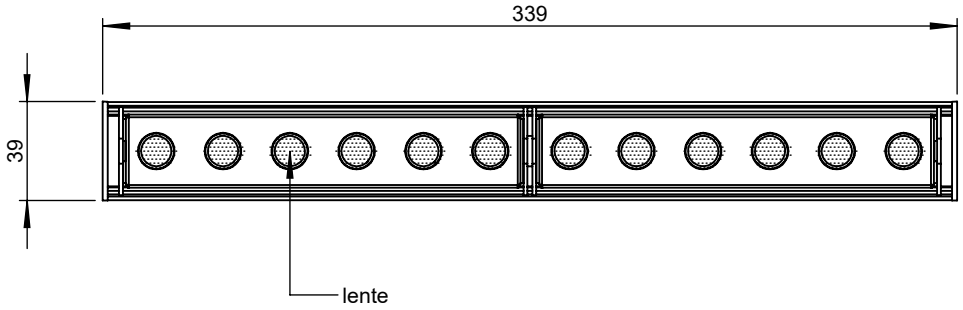

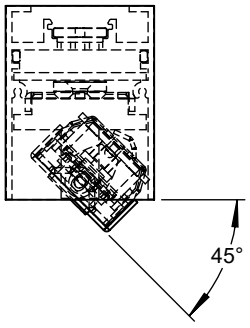

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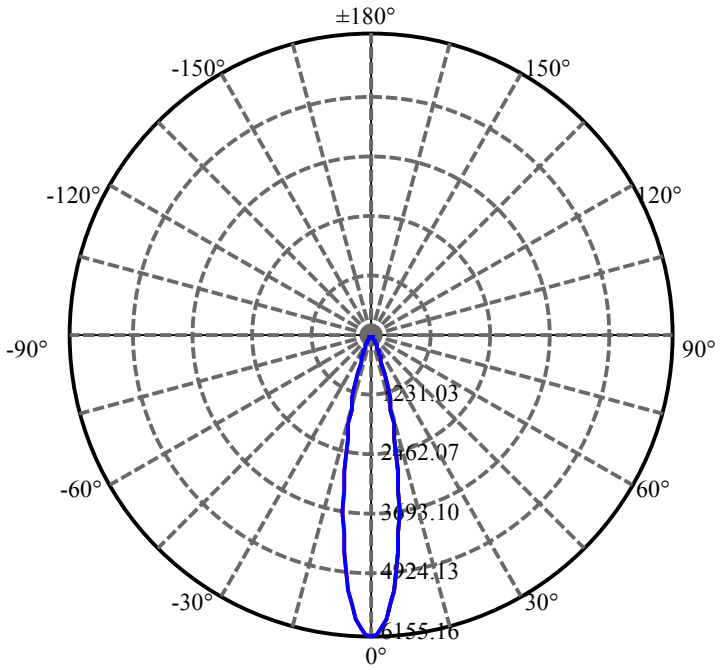
LumCAT:
Luminaire: concentra flex 34 c serie 3 fc
LampCAT: 2x modulo led 6W 30K irc 90
Ballast type: led driver 700mA

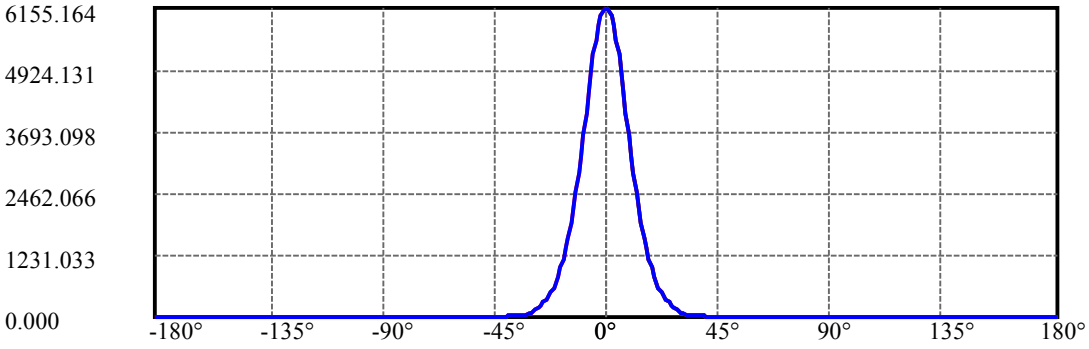
Report No:	Voltage(V): 127.7500
Test No:	Current(A): 0.1120
Number of Lamps: 1	Power (W): 14.0180
Lamp flux(lm): 1430.0	PF: 0.9760
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1089.14, Efficiency(%): 76.16% , Luminous Efficacy(lm/W): 77.70
Central intensity(cd): 6155.164, Maximum intensity(cd): 6155.164
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 20.74
Aveage BeamAngle(IEC 61341):20.74

Light Distribution Curve [Unit:cd]



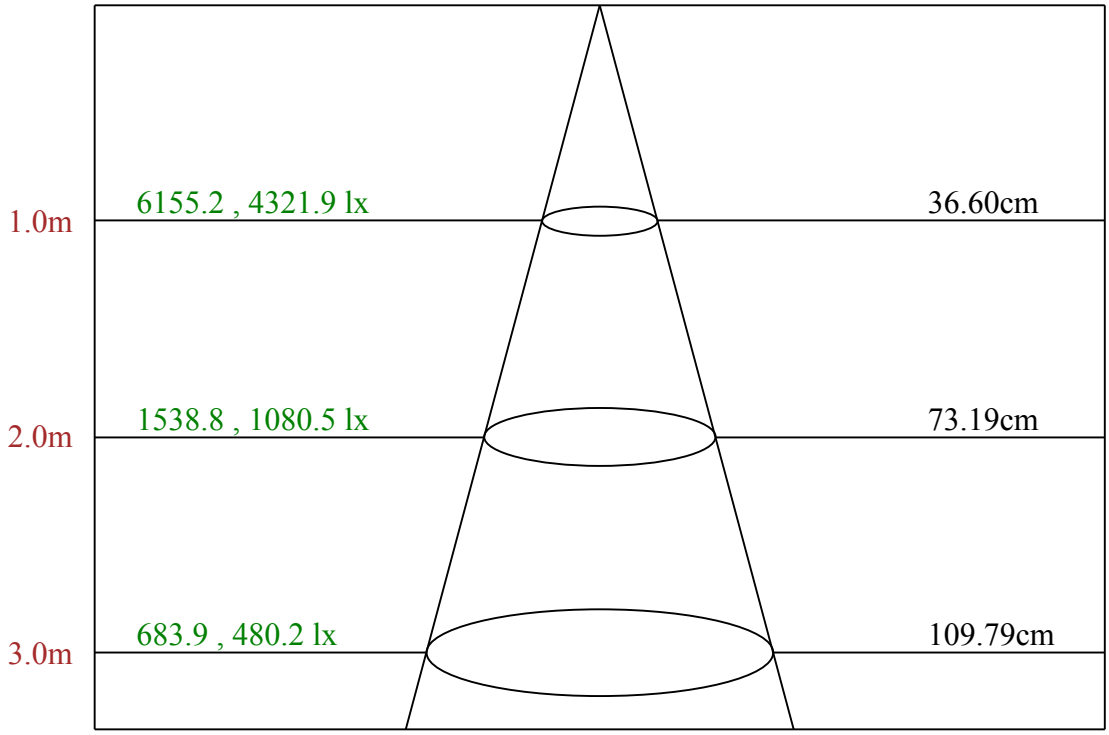


C0(Max):

C0/C180:

C90/C270:

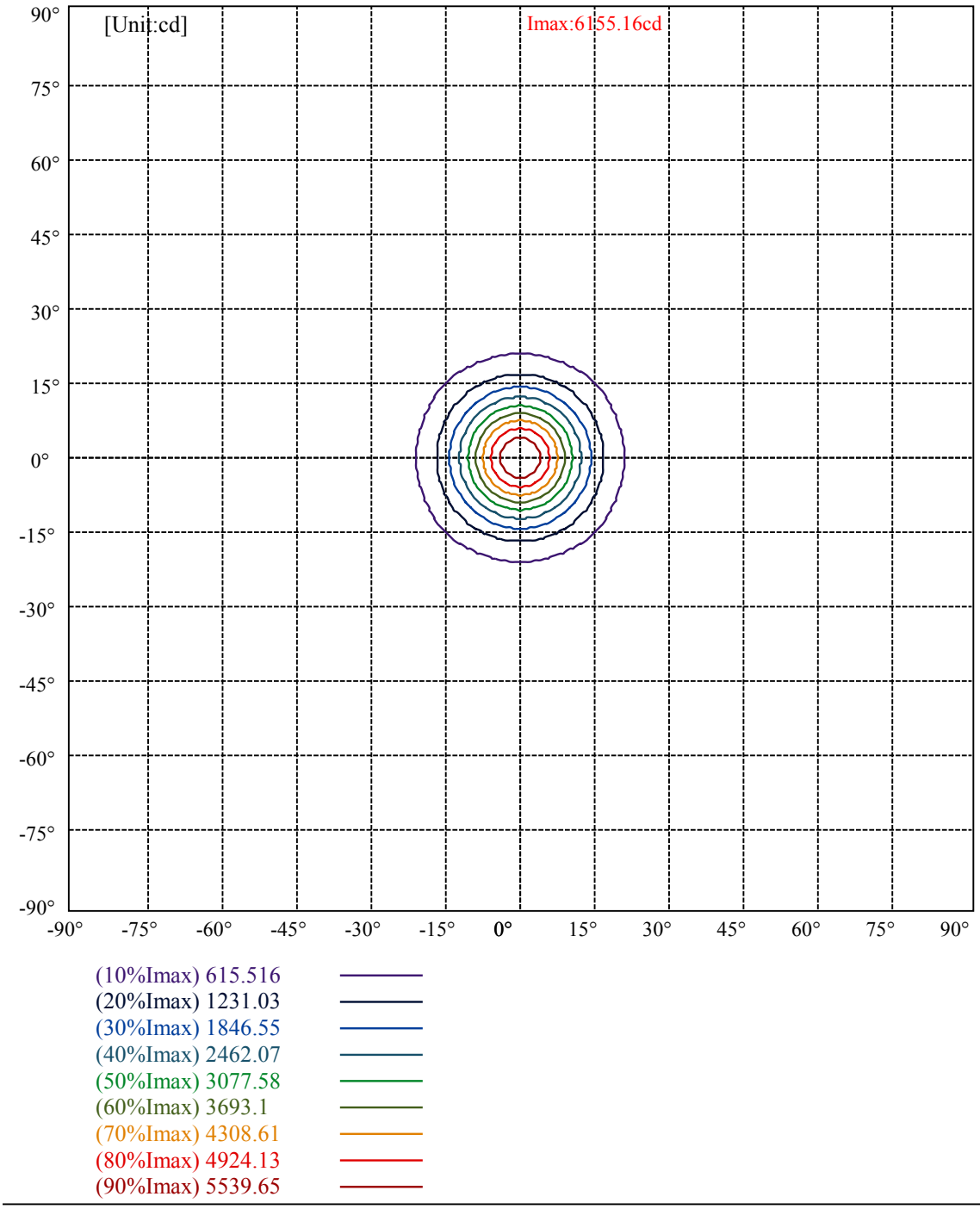
Lux distance Curve



Max , Ave

Beam angle of C0 plane 20.74

ISO-Intensity(V-H)



Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

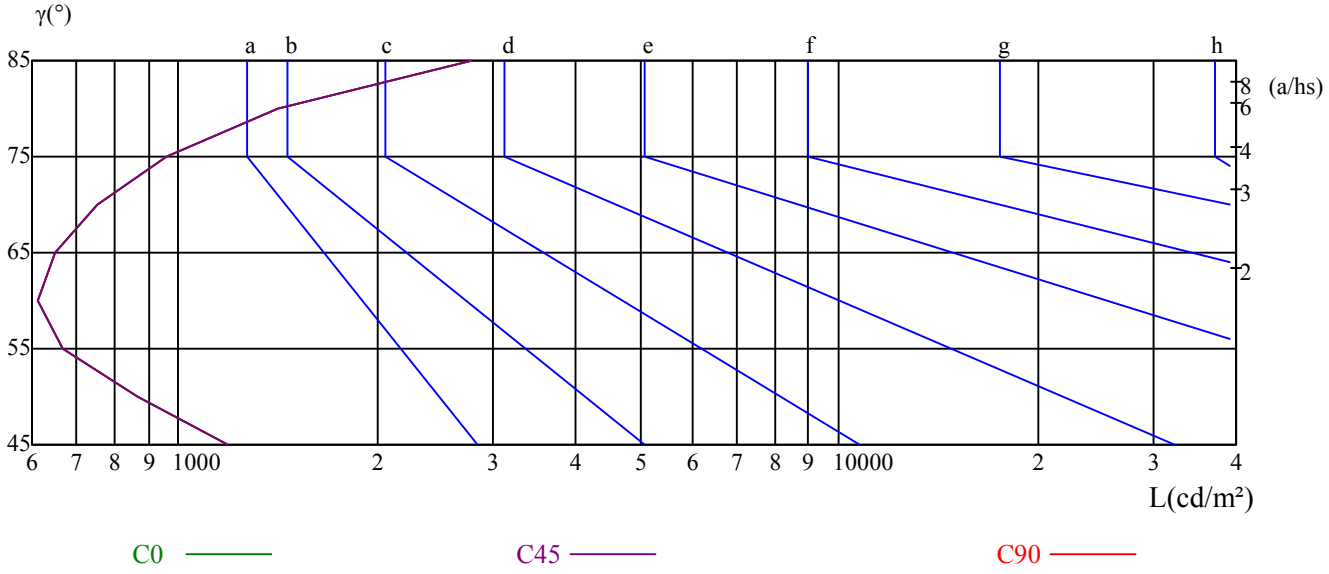
γ	45	50	55	60	65	70	75	80	85
C0	1189	869	668	614	652	755	962	1416	2782
C45	1189	869	668	614	652	755	962	1416	2782
C90	1189	869	668	614	652	755	962	1416	2782

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
652	652	652	962	962	962	2782	2782	2782

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 Limitting 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	2.91	3.80	3.31	4.16	4.52	3.60	4.49	4.00	4.85	5.21
	3H	3.72	4.52	4.15	4.90	5.29	4.30	5.10	4.73	5.48	5.88
	4H	4.43	5.17	4.87	5.57	5.98	4.93	5.66	5.37	6.06	6.48
	6H	5.54	6.21	6.00	6.63	7.08	5.93	6.60	6.39	7.02	7.47
	8H	6.27	6.91	6.73	7.34	7.80	6.60	7.24	7.06	7.67	8.13
	12H	7.20	7.81	7.67	8.25	8.71	7.50	8.10	7.96	8.54	9.01
4H	2H	3.00	3.74	3.44	4.13	4.55	3.62	4.35	4.06	4.75	5.17
	3H	4.12	4.74	4.58	5.17	5.64	4.60	5.22	5.07	5.66	6.12
	4H	5.15	5.68	5.63	6.15	6.64	5.53	6.07	6.01	6.53	7.03
	6H	6.54	7.01	7.05	7.50	8.00	6.83	7.30	7.34	7.79	8.29
	8H	7.47	7.91	7.99	8.40	8.92	7.71	8.14	8.23	8.64	9.16
	12H	8.62	9.02	9.14	9.51	10.08	8.84	9.24	9.36	9.73	10.29
8H	4H	5.56	5.99	6.08	6.49	7.01	5.88	6.32	6.41	6.82	7.34
	6H	7.28	7.64	7.82	8.15	8.71	7.51	7.86	8.05	8.38	8.94
	8H	8.48	8.77	9.05	9.33	9.88	8.66	8.96	9.23	9.51	10.06
	12H	9.88	10.10	10.46	10.66	11.23	10.05	10.28	10.63	10.83	11.40
12H	4H	5.69	6.09	6.22	6.58	7.15	6.00	6.40	6.53	6.89	7.46
	6H	7.59	7.88	8.16	8.44	8.99	7.79	8.09	8.36	8.65	9.19
	8H	8.87	9.09	9.45	9.65	10.22	9.03	9.26	9.61	9.81	10.38
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		-8.5					-8.5				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

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Address:Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

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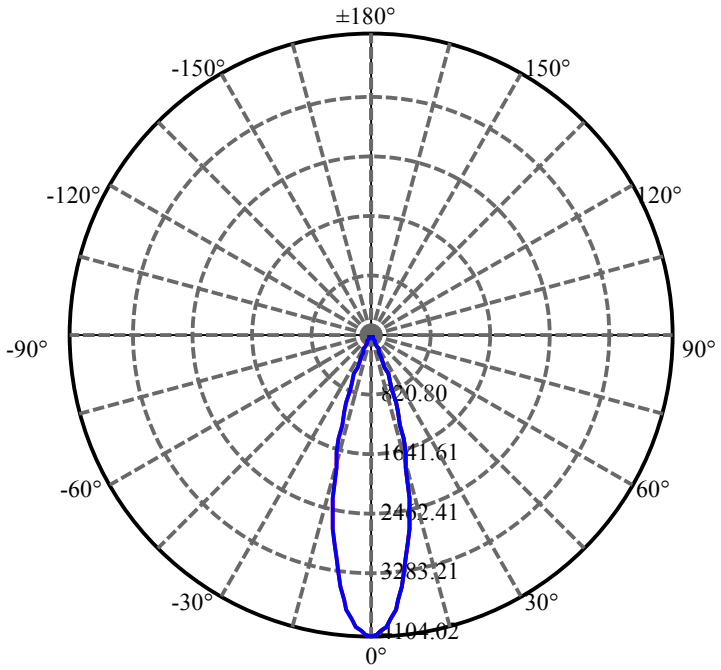
LumCAT:
Luminaire: concentra flex 34 c serie 3 fm
LampCAT: 2x modulo led 6W 30K irc 90
Ballast type: led driver 700mA

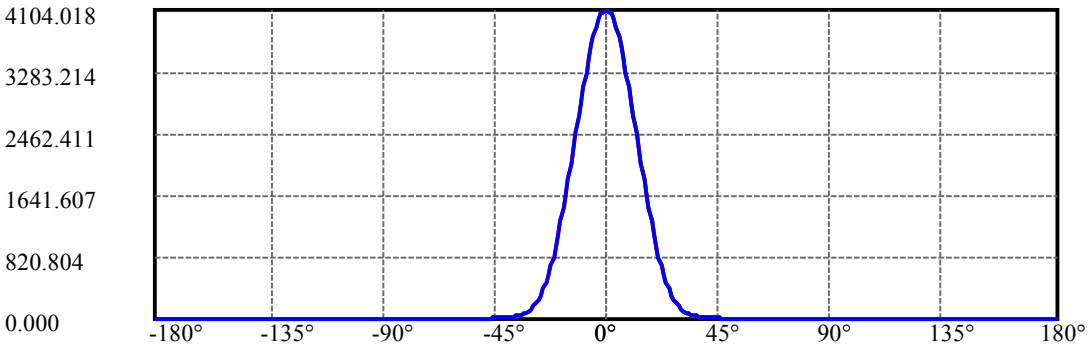
Report No:	Voltage(V): 127.7800
Test No:	Current(A): 0.1120
Number of Lamps: 1	Power (W): 14.0050
Lamp flux(lm): 1430.0	PF: 0.9760
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1113.47, Efficiency(%): 77.87% , Luminous Efficacy(lm/W): 79.51
Central intensity(cd): 4104.018, Maximum intensity(cd): 4104.018
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 28.20
Aveage BeamAngle(IEC 61341):28.20

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

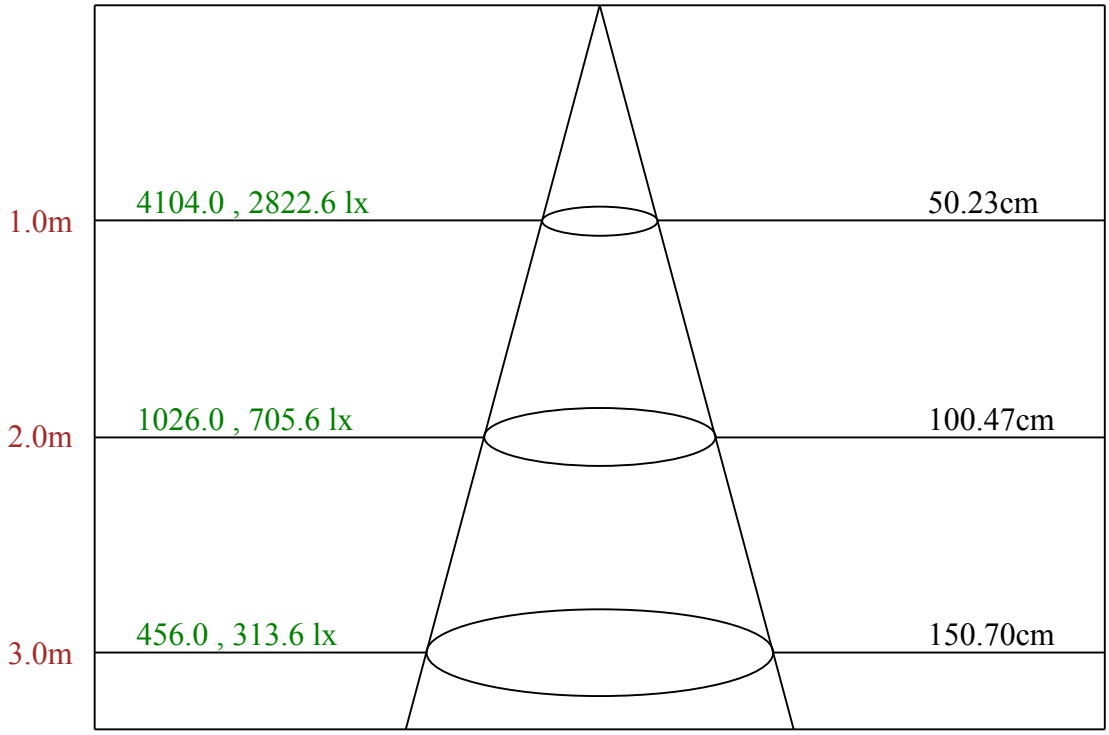
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

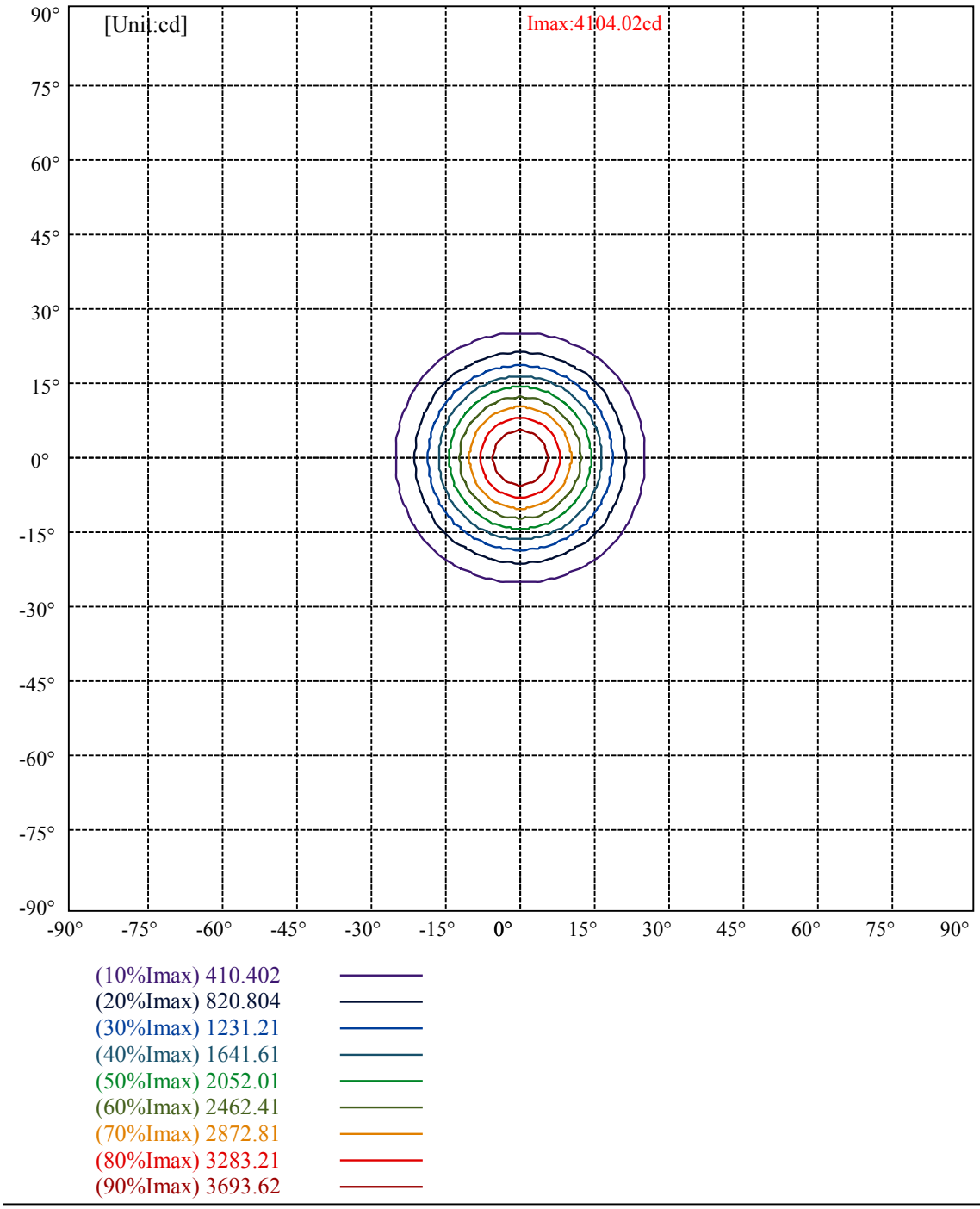
Lux distance Curve



Max , Ave

Beam angle of C0 plane 28.20

ISO-Intensity(V-H)



Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

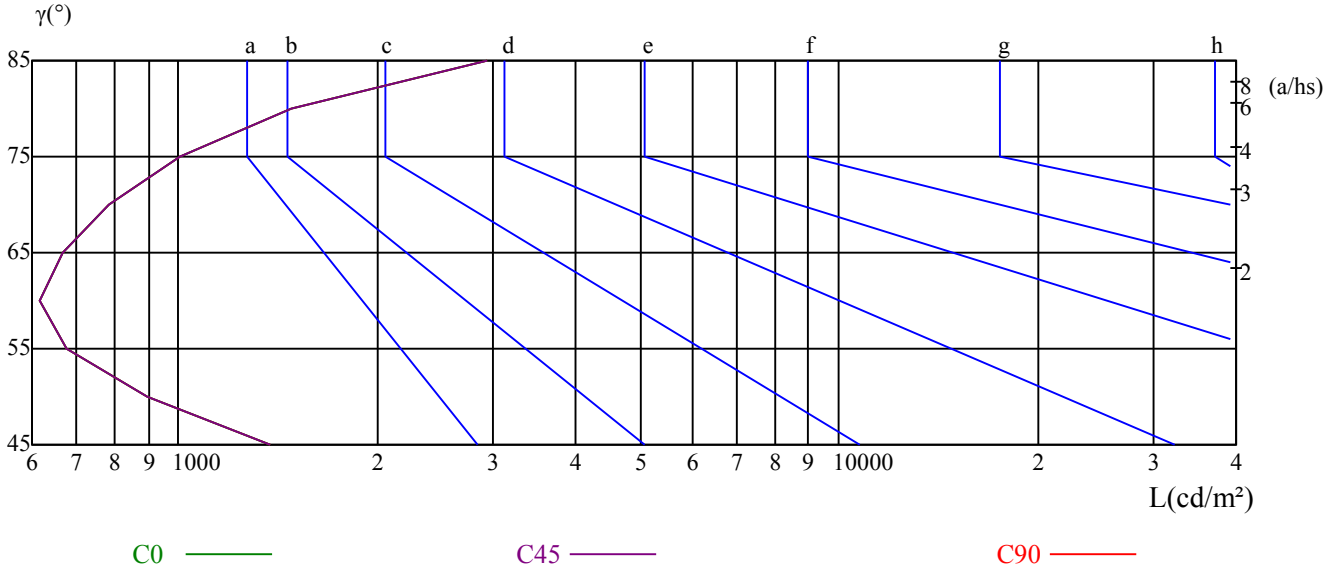
γ	45	50	55	60	65	70	75	80	85
C0	1376	895	679	616	666	782	1006	1479	2927
C45	1376	895	679	616	666	782	1006	1479	2927
C90	1376	895	679	616	666	782	1006	1479	2927

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
666	666	666	1006	1006	1006	2927	2927	2927

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 Limitting 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	5.95	6.85	6.36	7.21	7.58	5.80	6.69	6.20	7.05	7.42
	3H	6.24	7.04	6.67	7.42	7.82	6.09	6.89	6.52	7.27	7.67
	4H	6.59	7.33	7.03	7.73	8.15	6.44	7.18	6.89	7.58	8.00
	6H	7.26	7.93	7.72	8.35	8.80	7.13	7.80	7.59	8.22	8.67
	8H	7.75	8.39	8.21	8.82	9.28	7.63	8.27	8.09	8.70	9.16
	12H	8.44	9.05	8.91	9.48	9.95	8.31	8.91	8.77	9.35	9.82
4H	2H	5.81	6.55	6.25	6.95	7.37	5.66	6.40	6.11	6.80	7.22
	3H	6.29	6.91	6.75	7.34	7.81	6.15	6.77	6.61	7.20	7.67
	4H	6.89	7.43	7.37	7.89	8.39	6.76	7.30	7.24	7.76	8.26
	6H	7.84	8.31	8.35	8.81	9.31	7.73	8.20	8.24	8.70	9.20
	8H	8.56	9.00	9.08	9.49	10.02	8.46	8.89	8.98	9.39	9.91
	12H	9.52	9.92	10.04	10.41	10.98	9.40	9.80	9.92	10.29	10.86
8H	4H	7.09	7.53	7.61	8.03	8.55	6.98	7.41	7.50	7.91	8.44
	6H	8.35	8.71	8.89	9.22	9.78	8.26	8.62	8.80	9.13	9.69
	8H	9.35	9.64	9.92	10.20	10.75	9.26	9.56	9.83	10.12	10.66
	12H	10.59	10.81	11.17	11.37	11.94	10.48	10.71	11.06	11.26	11.83
12H	4H	7.17	7.57	7.69	8.06	8.63	7.06	7.46	7.59	7.95	8.52
	6H	8.59	8.88	9.16	9.44	9.99	8.50	8.80	9.07	9.36	9.91
	8H	9.67	9.89	10.25	10.45	11.02	9.59	9.81	10.17	10.37	10.94
Variation with the observer position at spacings:											
S = 1.0H		2.8/-1.9					2.8/-1.9				
S = 1.5H		3.4/-1.7					3.4/-1.7				
S = 2.0H		3.9/-1.5					3.9/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-7.5					-7.5				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

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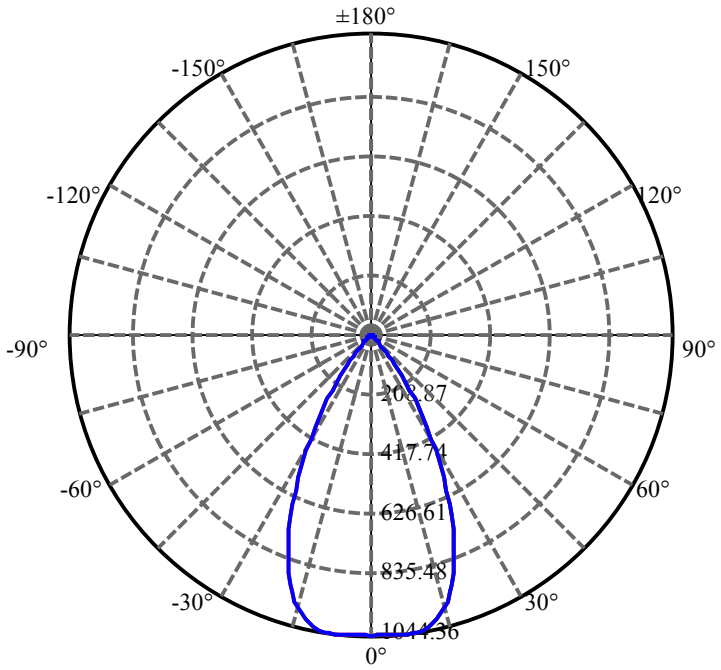
LumCAT:
Luminaire: concentra flex 34 c serie 3 fa
LampCAT: 2x modulo led 6W 30K irc 90
Ballast type: led driver 700mA

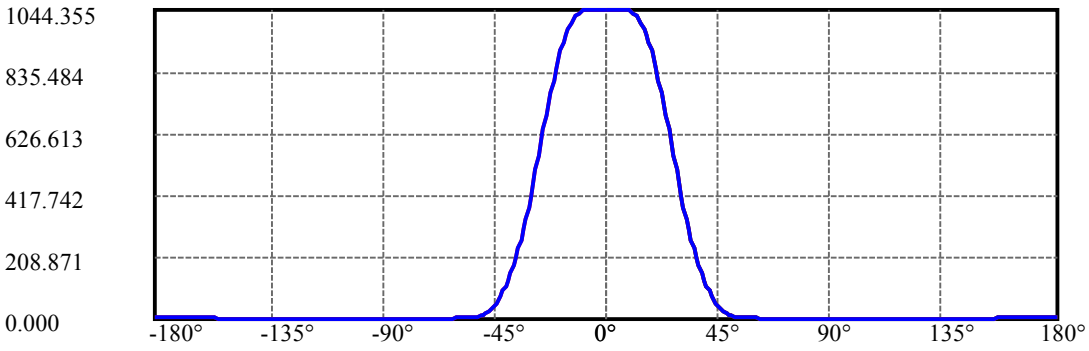
Report No:	Voltage(V): 127.8100
Test No:	Current(A): 0.1120
Number of Lamps: 1	Power (W): 13.9910
Lamp flux(lm): 1430.0	PF: 0.9760
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 873.68, Efficiency(%): 61.10% , Luminous Efficacy(lm/W): 62.45
Central intensity(cd): 1041.612, Maximum intensity(cd): 1044.355
Angle of maximum intensity: C=0.0 γ=6.0
Beam angle of C0 plane : 55.39
Aveage BeamAngle(IEC 61341):55.39

Light Distribution Curve [Unit:cd]





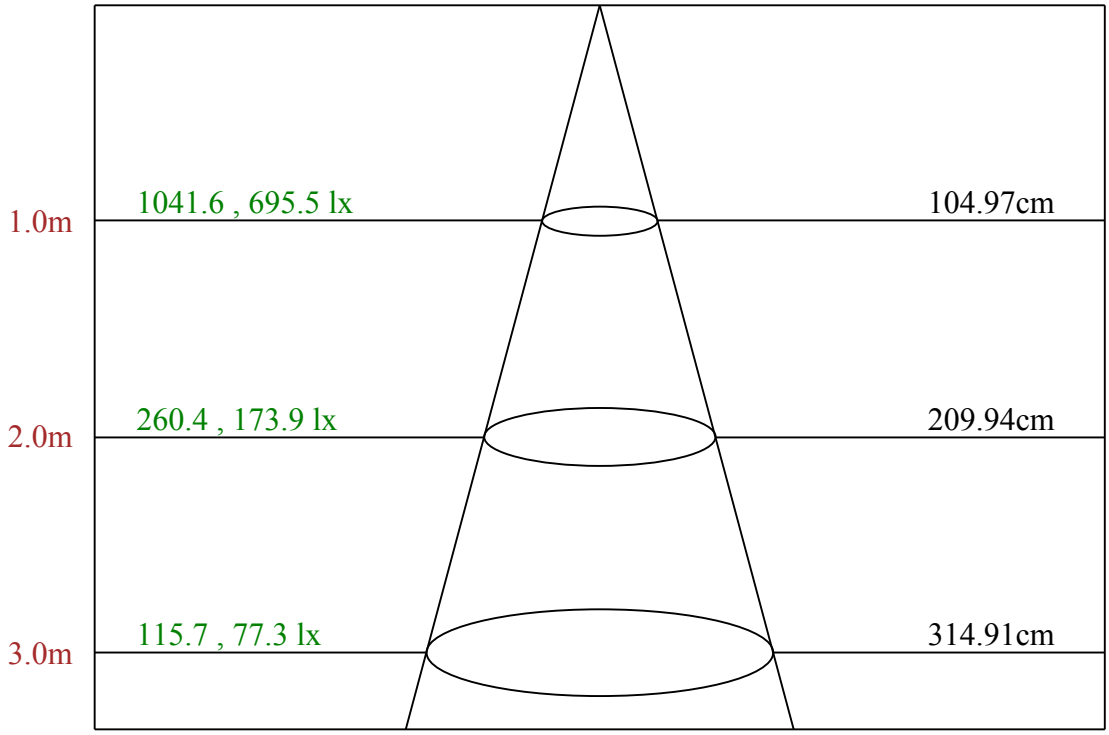
C0(Max):

C0/C180:

C90/C270:

Equipment: equipamento lumini	Date: 13/05/2025	Operator: 01
Temperature(°C): 25.5	Humidity(%): 60.0%	Distance(m): 6.90

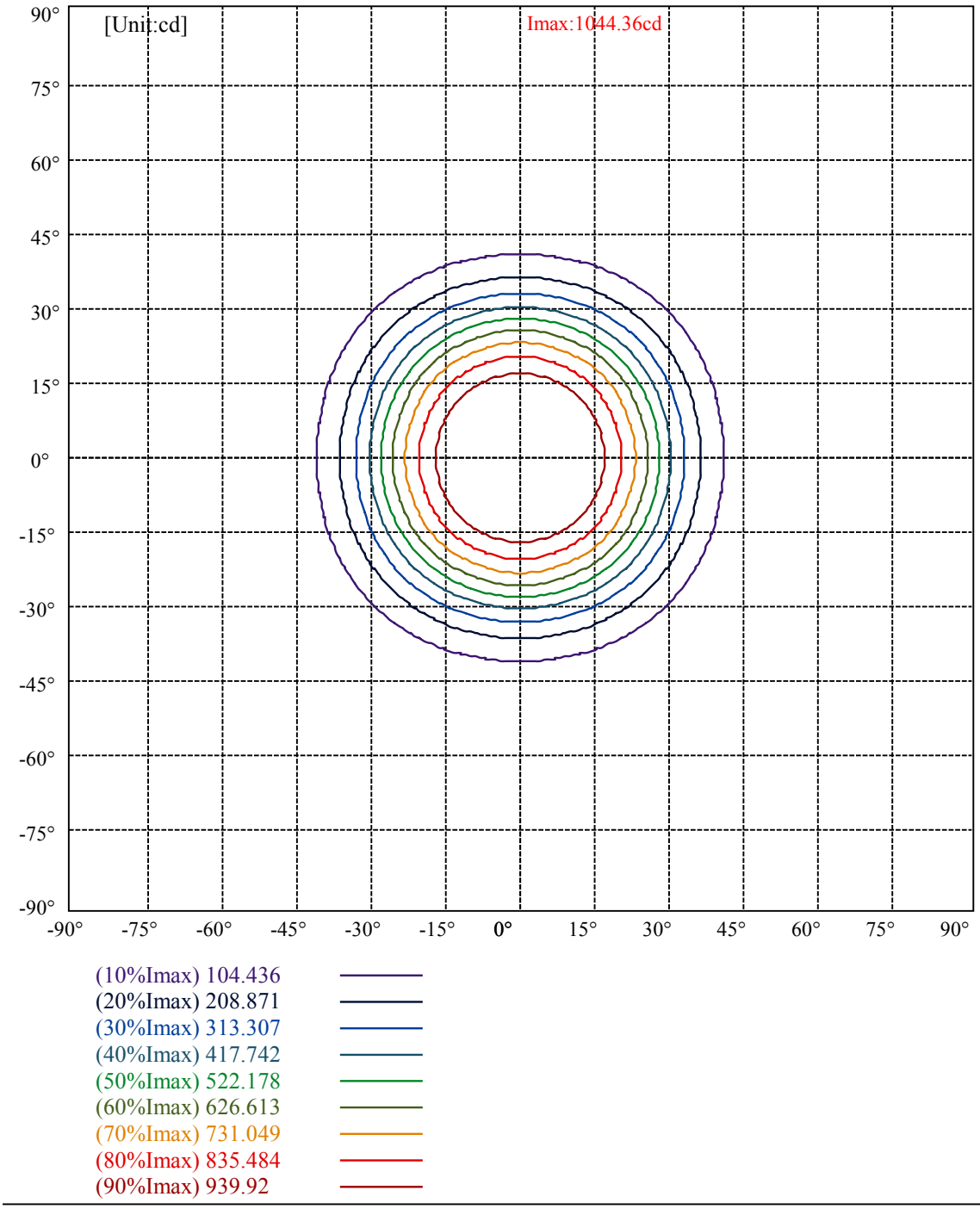
Lux distance Curve



Max , Ave

Beam angle of C0 plane 55.39

ISO-Intensity(V-H)



(10%Imax) 104.436
(20%Imax) 208.871
(30%Imax) 313.307
(40%Imax) 417.742
(50%Imax) 522.178
(60%Imax) 626.613
(70%Imax) 731.049
(80%Imax) 835.484
(90%Imax) 939.92

Equipment: equipamento lumini
Temperature(°C): 25.5
Date: 13/05/2025
Humidity(%): 60.0%
Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

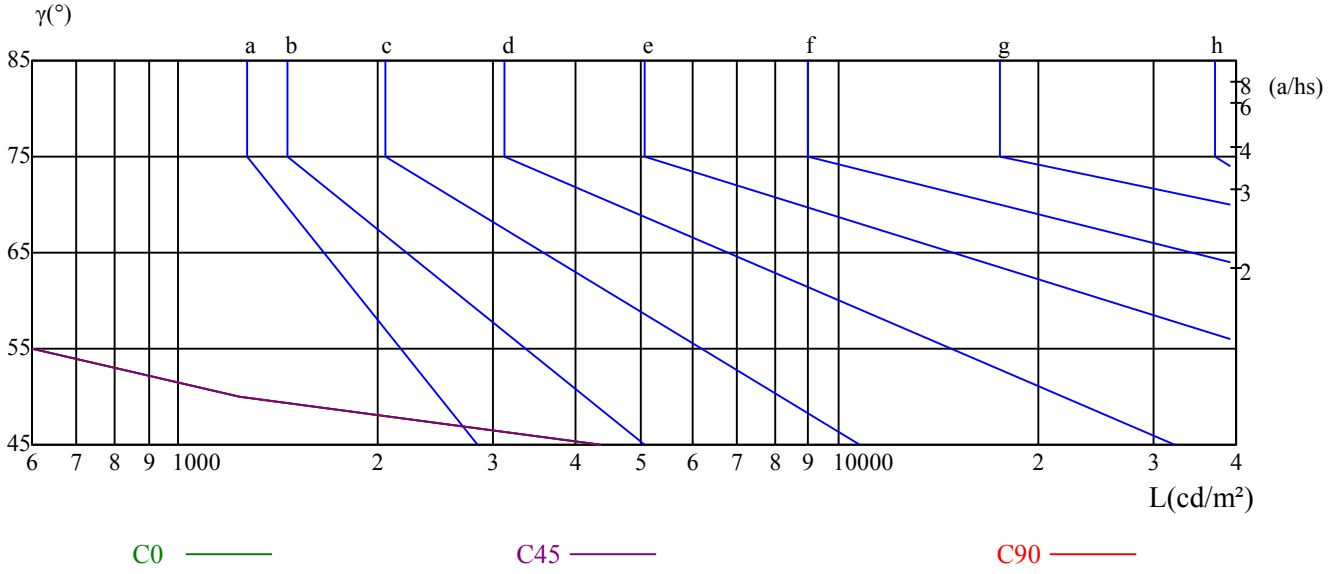
γ	45	50	55	60	65	70	75	80	85
C0	4352	1239	566	485	479	531	661	965	1888
C45	4352	1239	566	485	479	531	661	965	1888
C90	4352	1239	566	485	479	531	661	965	1888

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
479	479	479	661	661	661	1888	1888	1888

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 Limitting 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	16.17	17.11	16.57	17.46	17.83	16.56	17.50	16.96	17.85	18.21
	3H	15.98	16.81	16.40	17.19	17.58	16.36	17.20	16.79	17.57	17.97
	4H	15.89	16.66	16.32	17.05	17.46	16.27	17.04	16.71	17.43	17.85
	6H	15.82	16.53	16.28	16.94	17.39	16.21	16.91	16.66	17.32	17.77
	8H	15.77	16.44	16.23	16.87	17.32	16.15	16.82	16.61	17.25	17.70
	12H	15.74	16.38	16.21	16.81	17.27	16.12	16.75	16.58	17.19	17.65
4H	2H	15.86	16.63	16.30	17.02	17.44	16.25	17.02	16.68	17.41	17.82
	3H	15.63	16.28	16.09	16.71	17.17	16.02	16.66	16.48	17.09	17.56
	4H	15.58	16.14	16.05	16.60	17.09	15.96	16.52	16.44	16.98	17.47
	6H	15.49	15.98	15.99	16.47	16.96	15.86	16.36	16.37	16.84	17.34
	8H	15.48	15.93	15.99	16.42	16.94	15.85	16.30	16.37	16.80	17.31
	12H	15.50	15.92	16.03	16.41	16.97	15.87	16.29	16.39	16.77	17.33
8H	4H	15.39	15.85	15.91	16.34	16.86	15.77	16.23	16.29	16.72	17.24
	6H	15.31	15.68	15.85	16.20	16.75	15.68	16.06	16.22	16.57	17.12
	8H	15.37	15.69	15.94	16.24	16.78	15.74	16.05	16.30	16.60	17.14
	12H	15.46	15.70	16.03	16.25	16.81	15.81	16.05	16.38	16.59	17.16
12H	4H	15.34	15.76	15.87	16.25	16.81	15.72	16.14	16.25	16.63	17.19
	6H	15.31	15.62	15.88	16.18	16.72	15.68	15.99	16.25	16.55	17.09
	8H	15.35	15.59	15.93	16.14	16.70	15.71	15.95	16.29	16.50	17.07
Variation with the observer position at spacings:											
S = 1.0H		5.0/-11.1					5.0/-11.1				
S = 1.5H		7.6/-9.2					7.6/-9.2				
S = 2.0H		9.4/-7.8					9.4/-7.8				
Standard tables:		BK1					BK1				
Uncorrected UGR		-4.8					-4.8				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

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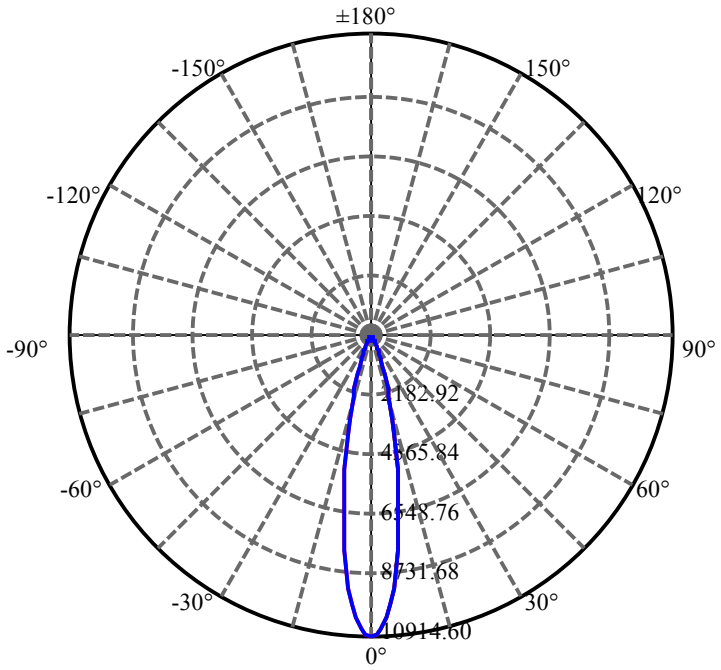
LumCAT:
Luminaire: concentra flex 34 c serie 3 fc
LampCAT: 2x modulo led 12W 30K irc 90
Ballast type: led driver 700mA

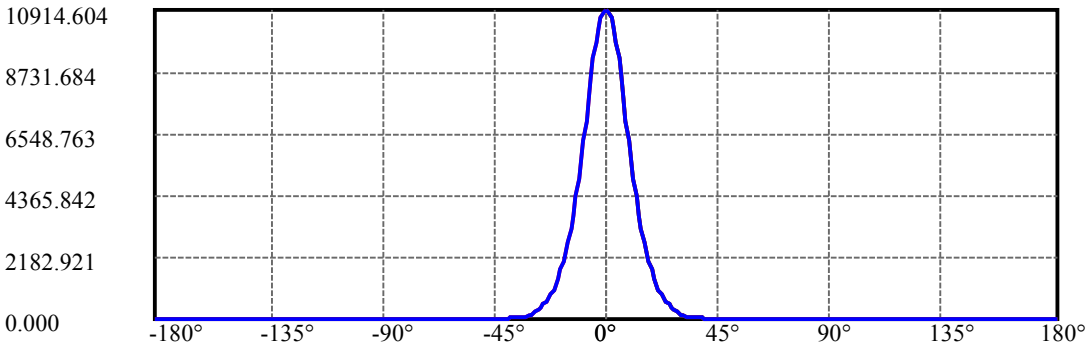
Report No:	Voltage(V): 127.6200
Test No:	Current(A): 0.2050
Number of Lamps: 1	Power (W): 25.9730
Lamp flux(lm): 2715.0	PF: 0.9940
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1904.99, Efficiency(%): 70.17% , Luminous Efficacy(lm/W): 73.35
Central intensity(cd): 10914.600, Maximum intensity(cd): 10914.600
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 20.45
Aveage BeamAngle(IEC 61341):20.45

Light Distribution Curve [Unit:cd]



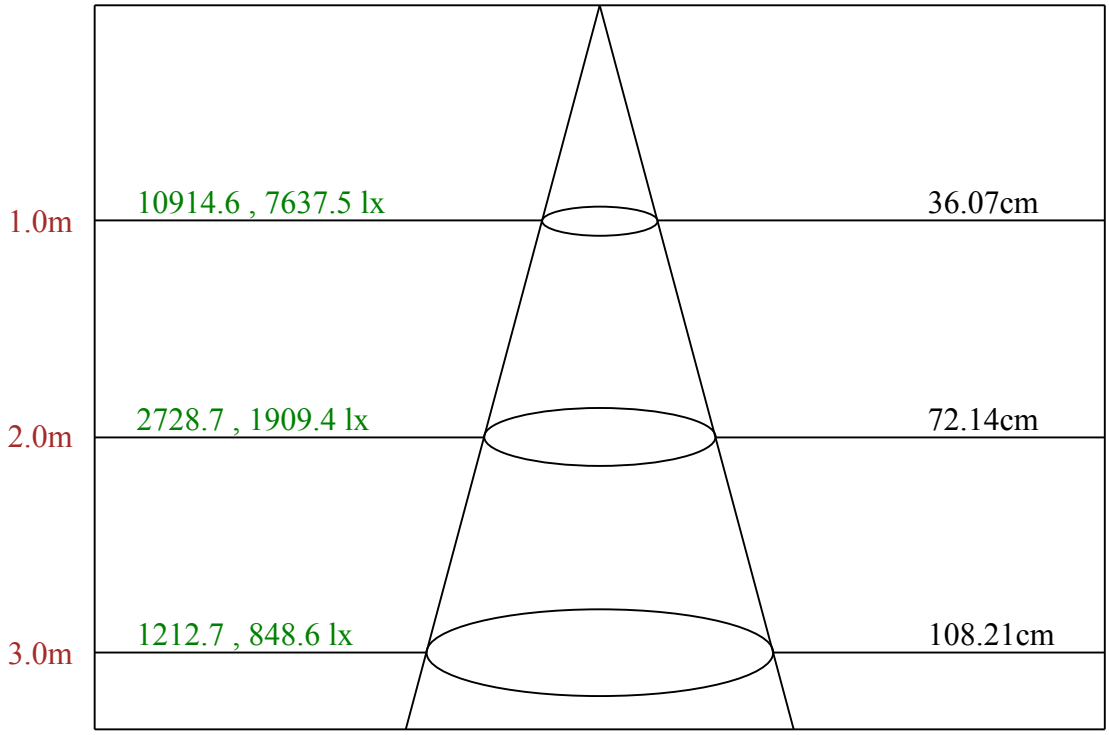


C0(Max):

C0/C180:

C90/C270:

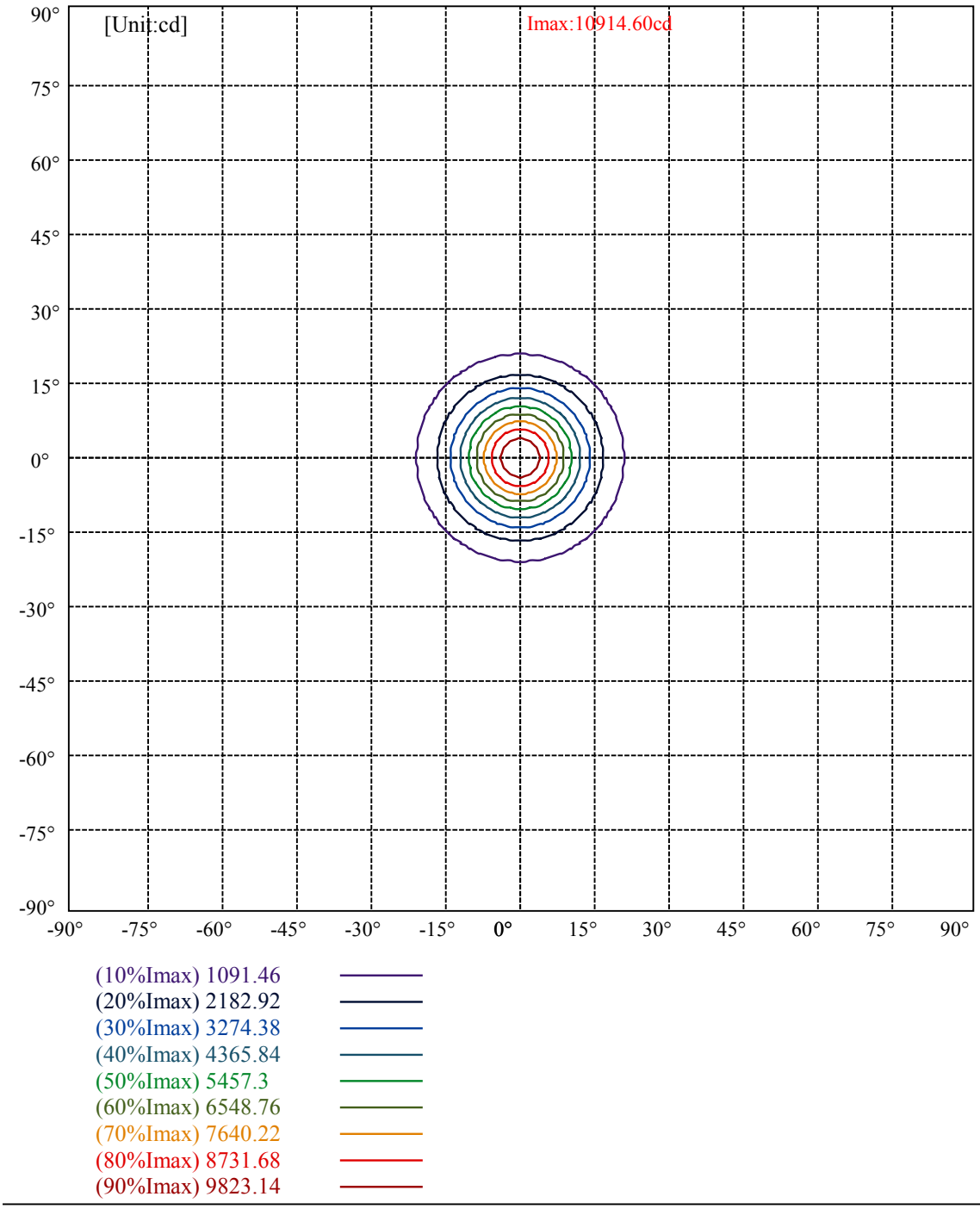
Lux distance Curve



Max , Ave

Beam angle of C0 plane 20.45

ISO-Intensity(V-H)



(10%Imax) 1091.46
(20%Imax) 2182.92
(30%Imax) 3274.38
(40%Imax) 4365.84
(50%Imax) 5457.3
(60%Imax) 6548.76
(70%Imax) 7640.22
(80%Imax) 8731.68
(90%Imax) 9823.14

Equipment: equipamento lumini
Temperature(°C): 25.5
Date: 12/05/2025
Humidity(%): 60.0%
Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

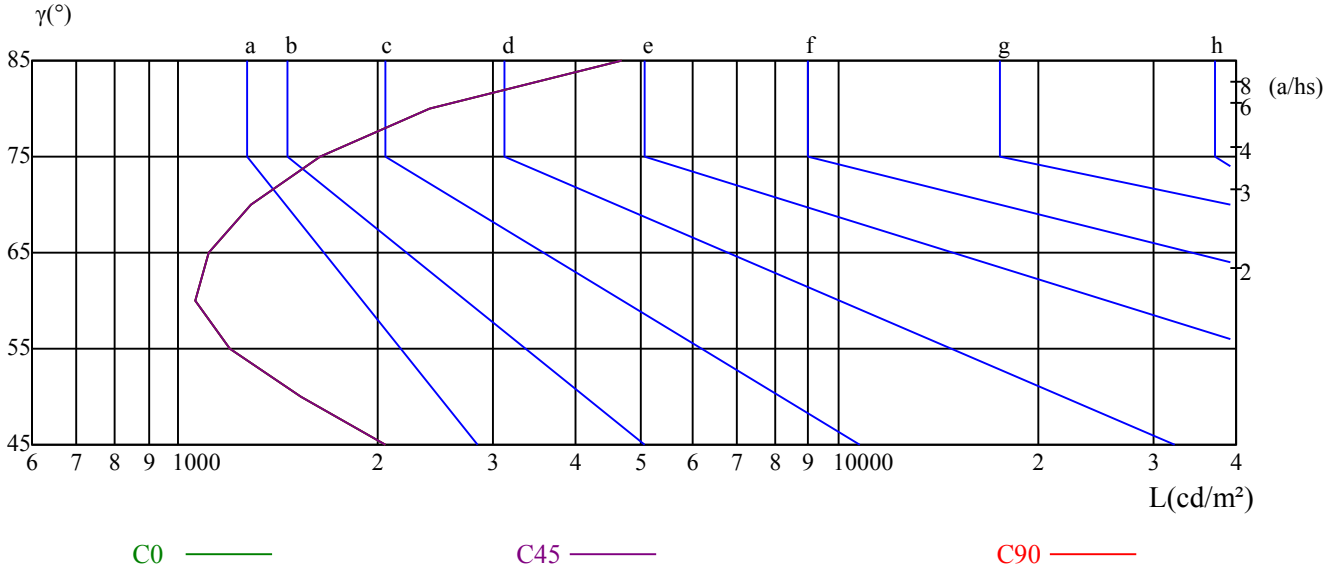
γ	45	50	55	60	65	70	75	80	85
C0	2056	1537	1197	1059	1113	1290	1642	2394	4704
C45	2056	1537	1197	1059	1113	1290	1642	2394	4704
C90	2056	1537	1197	1059	1113	1290	1642	2394	4704

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1113	1113	1113	1642	1642	1642	4704	4704	4704

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 Limitting 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	5.77	6.66	6.17	7.01	7.38	5.61	6.50	6.01	6.85	7.22
	3H	6.37	7.17	6.80	7.55	7.94	6.23	7.02	6.65	7.40	7.80
	4H	6.95	7.69	7.39	8.08	8.50	6.81	7.55	7.25	7.94	8.36
	6H	7.89	8.56	8.35	8.98	9.43	7.76	8.43	8.22	8.85	9.30
	8H	8.53	9.17	8.99	9.59	10.05	8.41	9.05	8.87	9.48	9.93
	12H	9.37	9.98	9.84	10.41	10.88	9.24	9.85	9.71	10.28	10.75
4H	2H	5.76	6.50	6.20	6.89	7.31	5.62	6.35	6.06	6.75	7.17
	3H	6.63	7.25	7.10	7.69	8.15	6.51	7.13	6.97	7.56	8.03
	4H	7.51	8.05	7.99	8.51	9.01	7.40	7.93	7.87	8.39	8.89
	6H	8.74	9.21	9.25	9.70	10.20	8.63	9.10	9.14	9.59	10.09
	8H	9.59	10.02	10.11	10.52	11.04	9.49	9.93	10.01	10.42	10.94
	12H	10.67	11.07	11.19	11.56	12.12	10.55	10.95	11.08	11.44	12.01
8H	4H	7.84	8.27	8.36	8.77	9.29	7.74	8.17	8.26	8.67	9.19
	6H	9.38	9.74	9.92	10.25	10.81	9.30	9.65	9.84	10.17	10.73
	8H	10.50	10.80	11.07	11.36	11.90	10.42	10.72	10.99	11.28	11.82
	12H	11.85	12.07	12.43	12.62	13.19	11.75	11.97	12.33	12.53	13.09
12H	4H	7.94	8.34	8.47	8.83	9.40	7.85	8.25	8.37	8.74	9.31
	6H	9.66	9.95	10.22	10.51	11.05	9.58	9.87	10.15	10.43	10.97
	8H	10.86	11.08	11.44	11.64	12.20	10.79	11.01	11.36	11.56	12.13
Variation with the observer position at spacings:											
S = 1.0H		1.7/-1.2					1.7/-1.2				
S = 1.5H		2.0/-1.2					2.0/-1.2				
S = 2.0H		2.3/-1.3					2.3/-1.3				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-6.6					-6.6				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

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LumCAT:
Luminaire: concentra flex 34 c serie 3 fm
LampCAT: 2x modulo led 12W 30K irc 90
Ballast type: led driver 700mA

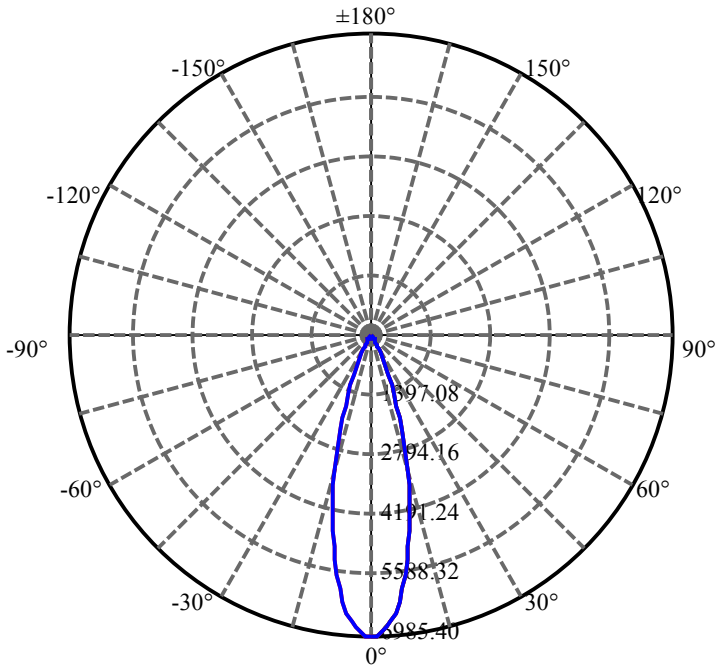
Report No:	Voltage(V): 127.6500
Test No:	Current(A): 0.2040
Number of Lamps: 1	Power (W): 25.9340
Lamp flux(lm): 2715.0	PF: 0.9940
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

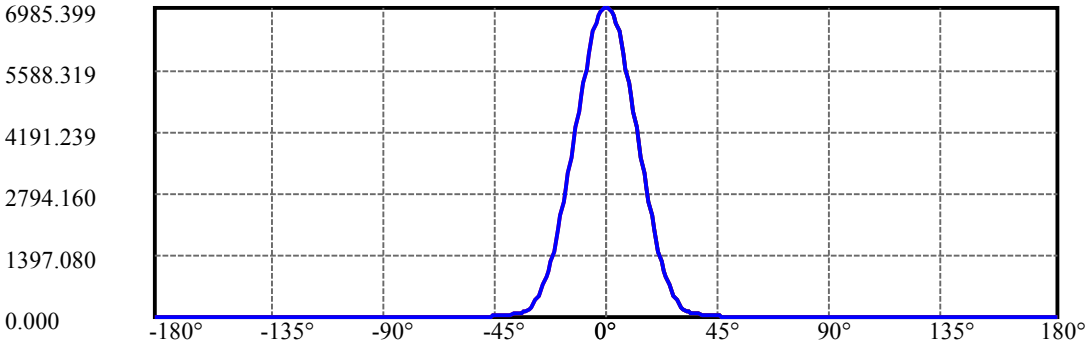
Photometric Results

Lumens(lm): 1952.95, Efficiency(%): 71.93% , Luminous Efficacy(lm/W): 75.30
Central intensity(cd): 6985.399, Maximum intensity(cd): 6985.399
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 28.57
Aveage BeamAngle(IEC 61341):28.57

Equipment: equipamento lumini	Date: 09/05/2025	Operator: 01
Temperature(°C): 25.5	Humidity(%): 60.0%	Distance(m): 6.90

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

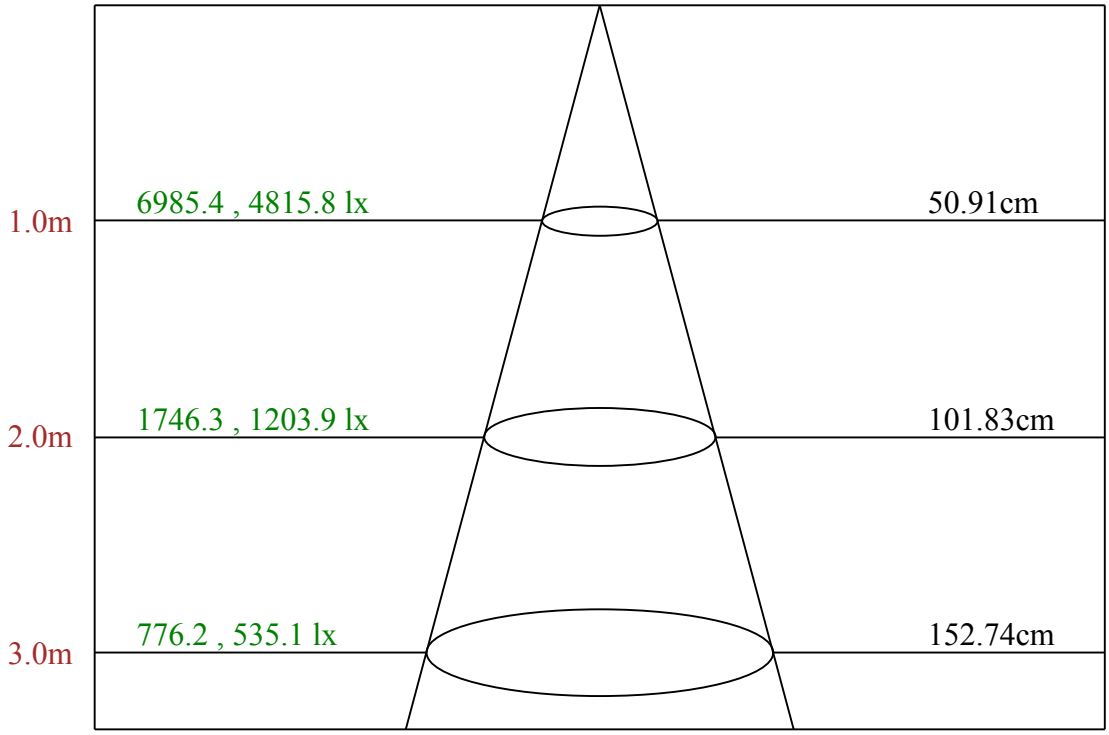
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

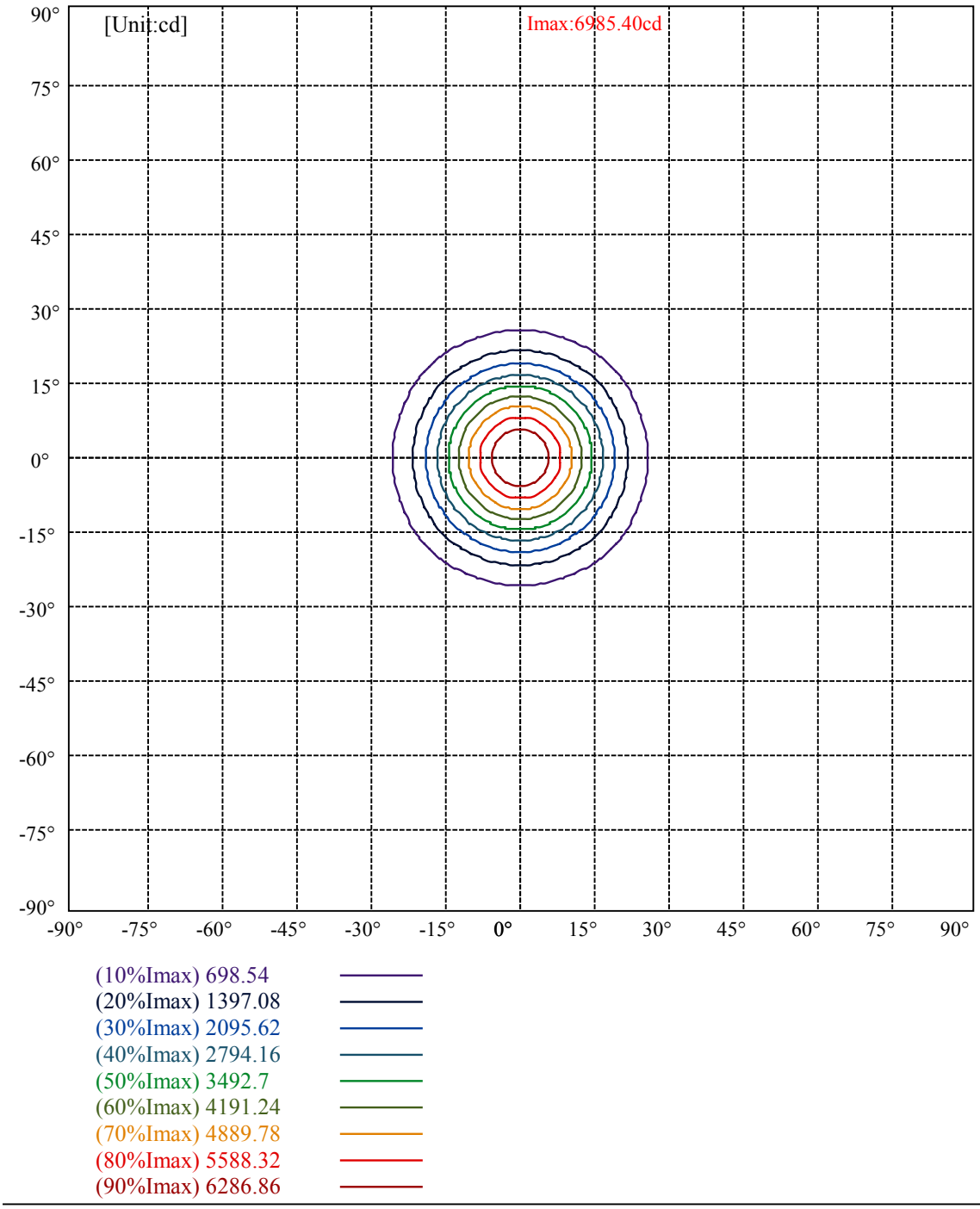
Lux distance Curve



Max , Ave

Beam angle of C0 plane 28.57

ISO-Intensity(V-H)



(10%Imax) 698.54
(20%Imax) 1397.08
(30%Imax) 2095.62
(40%Imax) 2794.16
(50%Imax) 3492.7
(60%Imax) 4191.24
(70%Imax) 4889.78
(80%Imax) 5588.32
(90%Imax) 6286.86

Equipment: equipamento lumini
Temperature(°C): 25.5
Date: 09/05/2025
Humidity(%): 60.0%
Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

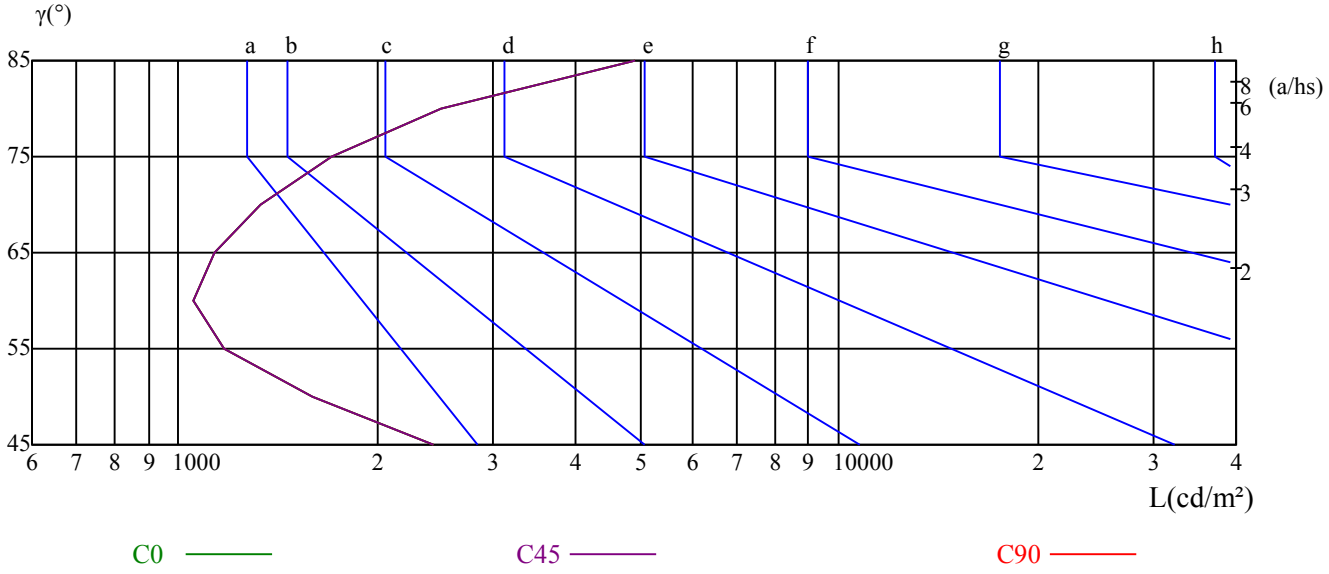
γ	45	50	55	60	65	70	75	80	85
C0	2440	1591	1169	1054	1132	1329	1706	2495	4930
C45	2440	1591	1169	1054	1132	1329	1706	2495	4930
C90	2440	1591	1169	1054	1132	1329	1706	2495	4930

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1132	1132	1132	1706	1706	1706	4930	4930	4930

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 Limitting 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	7.98	8.87	8.38	9.23	9.59	8.28	9.17	8.68	9.53	9.90
	3H	8.22	9.02	8.65	9.40	9.80	8.48	9.27	8.90	9.65	10.05
	4H	8.55	9.28	8.99	9.68	10.10	8.75	9.49	9.19	9.89	10.31
	6H	9.18	9.85	9.64	10.27	10.72	9.32	9.99	9.78	10.41	10.86
	8H	9.65	10.29	10.11	10.72	11.18	9.74	10.38	10.20	10.81	11.27
	12H	10.31	10.92	10.78	11.36	11.82	10.34	10.95	10.81	11.39	11.85
4H	2H	7.81	8.55	8.25	8.95	9.36	8.10	8.84	8.54	9.24	9.65
	3H	8.23	8.85	8.69	9.29	9.75	8.45	9.07	8.92	9.51	9.98
	4H	8.80	9.34	9.28	9.80	10.30	8.97	9.50	9.44	9.97	10.46
	6H	9.71	10.18	10.22	10.67	11.17	9.80	10.27	10.31	10.76	11.26
	8H	10.41	10.85	10.93	11.35	11.87	10.44	10.88	10.97	11.38	11.90
	12H	11.34	11.74	11.87	12.23	12.80	11.31	11.72	11.84	12.21	12.77
8H	4H	8.98	9.41	9.50	9.91	10.43	9.12	9.56	9.65	10.06	10.58
	6H	10.19	10.54	10.73	11.06	11.62	10.25	10.61	10.79	11.12	11.68
	8H	11.17	11.46	11.73	12.02	12.56	11.17	11.47	11.74	12.02	12.57
	12H	12.38	12.60	12.96	13.16	13.73	12.33	12.55	12.91	13.11	13.67
12H	4H	9.04	9.45	9.57	9.94	10.50	9.19	9.59	9.71	10.08	10.65
	6H	10.41	10.71	10.98	11.27	11.81	10.47	10.77	11.04	11.33	11.87
	8H	11.47	11.69	12.05	12.25	12.82	11.47	11.70	12.05	12.25	12.82
Variation with the observer position at spacings:											
S = 1.0H		2.9/-2.0					2.9/-2.0				
S = 1.5H		3.6/-1.7					3.6/-1.7				
S = 2.0H		4.1/-1.5					4.1/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-5.6					-5.6				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

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LumCAT:
Luminaire: concentra flex 34 c serie 3 fa
LampCAT: 2x modulo led 12W 30K irc 90
Ballast type: led driver 700mA

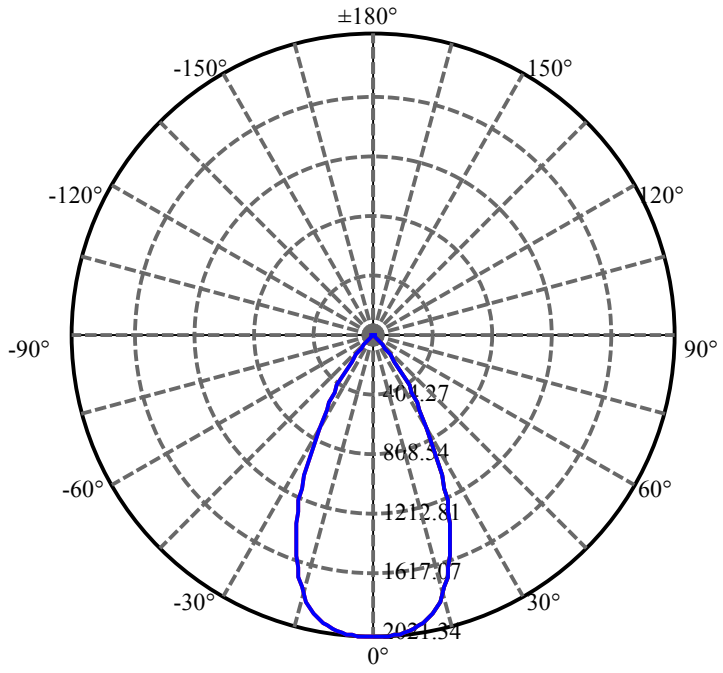
Report No:	Voltage(V): 127.6500
Test No:	Current(A): 0.2040
Number of Lamps: 1	Power (W): 25.8890
Lamp flux(lm): 2715.0	PF: 0.9940
Length(mm): 340	Width(mm): 40
Phm Type: C	Height(mm): 0

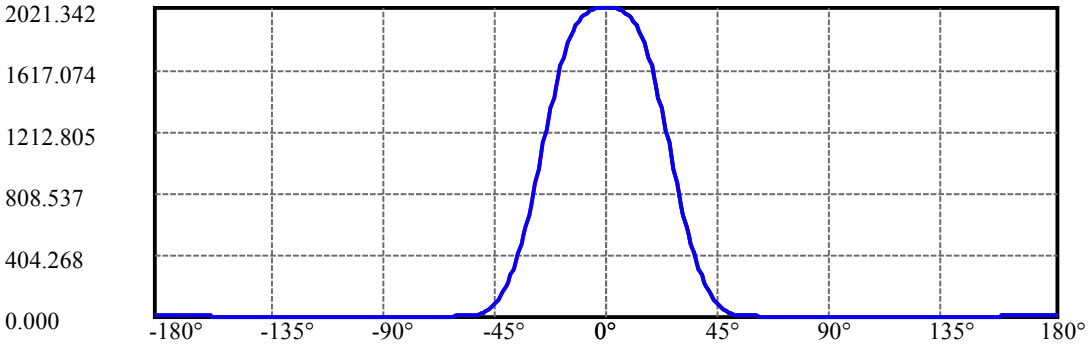
Photometric Results

Lumens(lm): 1582.09, Efficiency(%): 58.27% , Luminous Efficacy(lm/W): 61.11
Central intensity(cd): 2021.342, Maximum intensity(cd): 2021.342
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 52.93
Aveage BeamAngle(IEC 61341):52.93

Equipment: equipamento lumini	Date: 09/05/2025	Operator: 01
Temperature(°C): 25.5	Humidity(%): 60.0%	Distance(m): 6.90

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

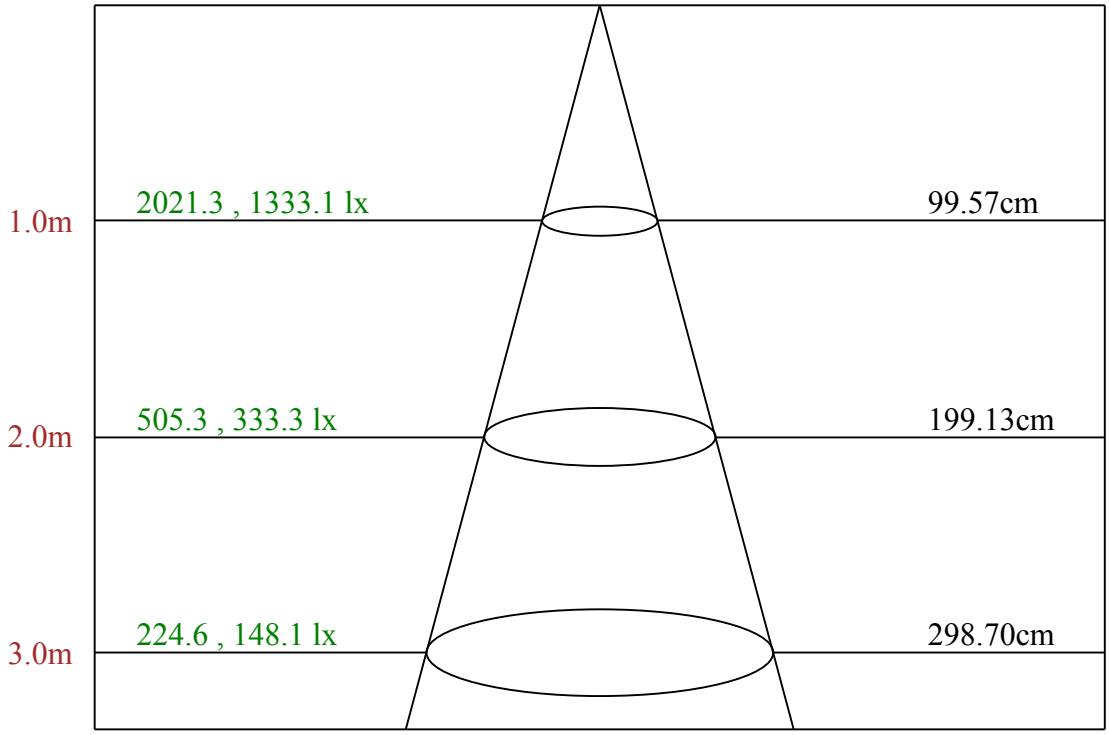
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

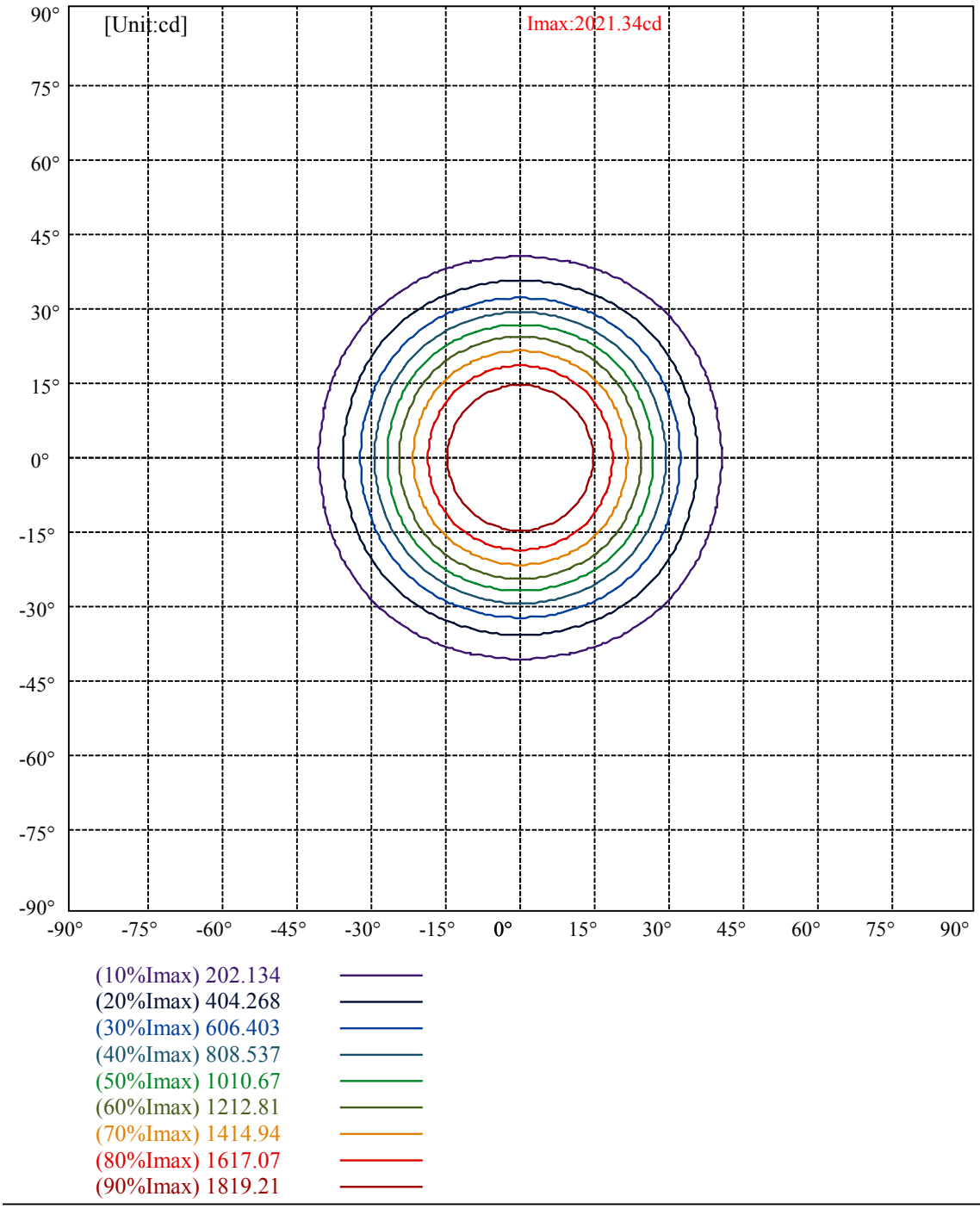
Lux distance Curve



Max , Ave

Beam angle of C0 plane 52.93

ISO-Intensity(V-H)



Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

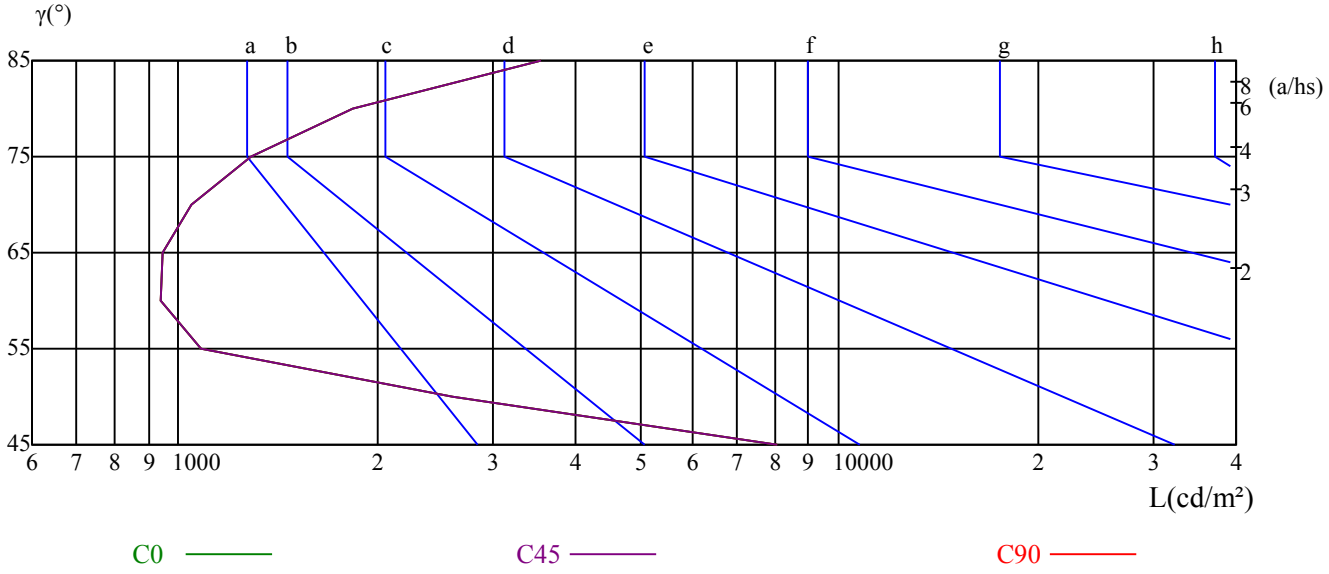
γ	45	50	55	60	65	70	75	80	85
C0	8086	2595	1081	941	943	1047	1292	1840	3545
C45	8086	2595	1081	941	943	1047	1292	1840	3545
C90	8086	2595	1081	941	943	1047	1292	1840	3545

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
943	943	943	1292	1292	1292	3545	3545	3545

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 Limitting Curve



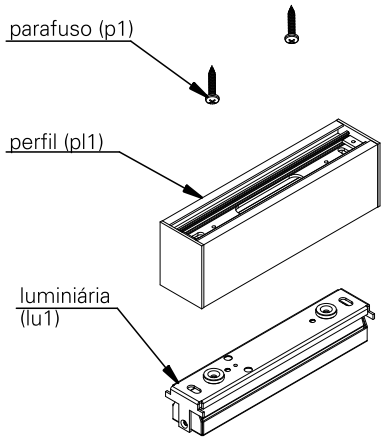
Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	18.37	19.31	18.77	19.66	20.03	18.47	19.41	18.87	19.76	20.13
	3H	18.18	19.01	18.60	19.39	19.78	18.28	19.11	18.70	19.49	19.89
	4H	18.09	18.86	18.52	19.25	19.67	18.19	18.96	18.63	19.36	19.77
	6H	18.03	18.73	18.48	19.15	19.59	18.13	18.84	18.59	19.25	19.70
	8H	17.98	18.65	18.44	19.08	19.53	18.08	18.76	18.54	19.18	19.64
	12H	17.95	18.59	18.41	19.02	19.48	18.06	18.69	18.52	19.13	19.59
4H	2H	18.06	18.83	18.50	19.22	19.64	18.16	18.93	18.60	19.33	19.74
	3H	17.84	18.48	18.30	18.92	19.38	17.94	18.59	18.40	19.02	19.48
	4H	17.79	18.35	18.26	18.81	19.30	17.89	18.45	18.36	18.91	19.40
	6H	17.70	18.19	18.21	18.68	19.18	17.81	18.30	18.31	18.79	19.28
	8H	17.69	18.15	18.21	18.64	19.16	17.80	18.25	18.32	18.75	19.26
	12H	17.72	18.14	18.24	18.63	19.19	17.83	18.25	18.35	18.74	19.30
8H	4H	17.60	18.06	18.12	18.55	19.07	17.70	18.16	18.22	18.65	19.17
	6H	17.53	17.90	18.07	18.42	18.97	17.64	18.01	18.17	18.52	19.08
	8H	17.60	17.91	18.16	18.47	19.01	17.70	18.02	18.27	18.57	19.11
	12H	17.68	17.92	18.26	18.47	19.04	17.79	18.03	18.36	18.58	19.15
12H	4H	17.56	17.97	18.08	18.46	19.03	17.66	18.08	18.18	18.56	19.13
	6H	17.53	17.85	18.10	18.40	18.94	17.64	17.95	18.20	18.50	19.04
	8H	17.58	17.82	18.15	18.37	18.94	17.68	17.92	18.26	18.47	19.04
Variation with the observer position at spacings:											
S = 1.0H		4.9/-10.5					4.9/-10.5				
S = 1.5H		7.5/-8.6					7.5/-8.6				
S = 2.0H		9.3/-7.3					9.3/-7.3				
Standard tables:		BK1					BK1				
Uncorrected UGR		-2.8					-2.8				

依据CIE Publ. 117 计算 UGR，S/H = 0.25

manual do usuário

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

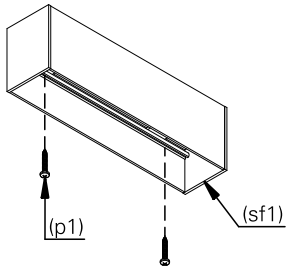
informações importantes
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

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

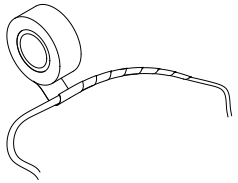
retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

instalação passo a passo

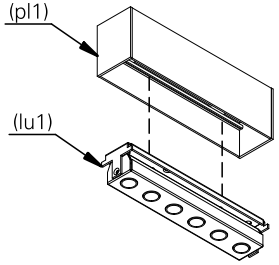
1. utilize o parafuso (p1) para fixar o perfil (pl1).



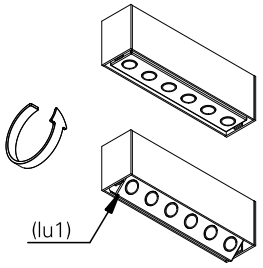
2. escolha o lado onde o fio de alimentação irá passar e faça a ligação elétrica.
isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



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



4. para orientar o facho 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.