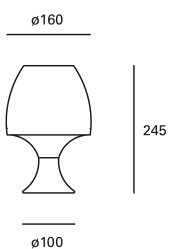


**CARACTÉRISTIQUES TECHNIQUES**



Puissance totale du luminaire : 2.3W

Lumens réels : 186

Lumens nominaux : 200

Lm/W réels : 81

Matière de la structure : ABS, Polycarbonate

Finition structure : Blanc

Matière du diffuseur : Plastique

Finition diffuseur : Blanc

Tension/Fréquence : 220-240VAC/50-60Hz

Power Factor : 0.44

Durée de vie : 36.000h L70B30

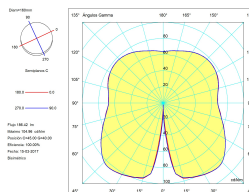
Garantie : 3 Ans

**CARACTÉRISTIQUES LUMINOTECHNIQUES**

CRI: 80

Risque photobiologique: RG0

Douille	Quantité	Puissance source lumineuse (W)	Température de couleur corrélée (CCT)
LED	1	2W	Blanc chaud - 3 000 K



**LOGISTIQUE**

Poids net (kg): 0.34

Poids emballé (kg): 0.53

Emballage: 165mm x 165mm x 140mm





**Luminaire**

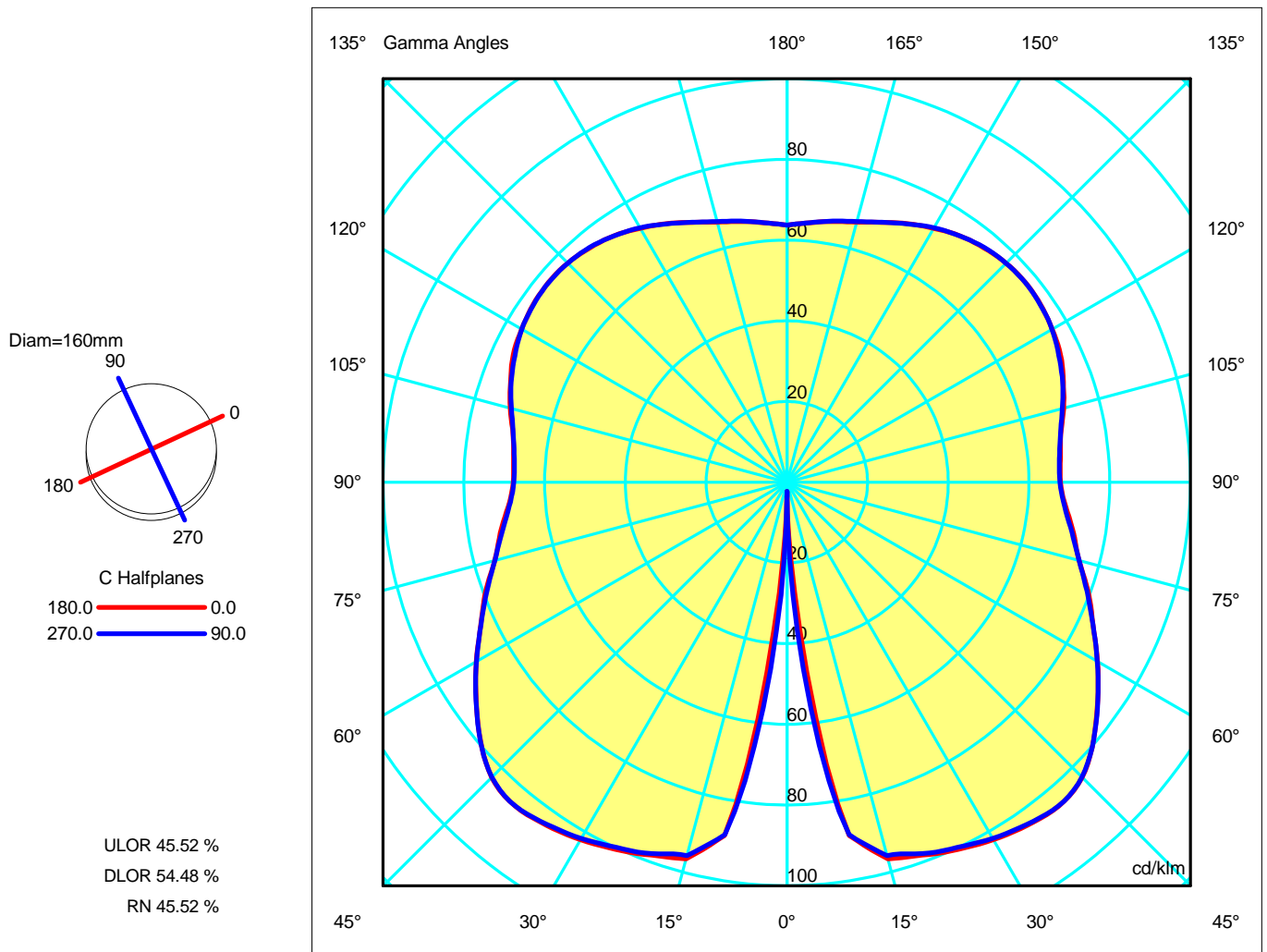
Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	160 mm 160 mm	Height Height	245 mm 245 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.020106 m2 0.039200 m2 0.039200 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.039200 m2 0.039200 m2 0.042900 m2	
Coordinate system Date Measurement Distance		CG 15-03-2017 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 186.42 lm	
Operator Temperature Humidity Notes		Asselum T2 25.00 °C 60.00 %		Source Voltage [V] Source current [A] Photocell			

		Luminaire Lamps			
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	DE-0270-BLA	DE-0270-BLA	186.42	2.53	1
C.I.E.	28 56 80 54 100	D DIN 5040	C11		
F UTE	0.54 J + 0.46 T	B NBN	BZ 7		





**Luminaire**

Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**Luminous Intensity Table cd/klm Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	2.26	2.26	2.26	2.26	2.26	2.26	2.26
G 5.0	36.58	47.60	37.73	51.64	46.53	54.99	46.32
G 10.0	88.84	88.74	82.72	82.77	87.53	87.69	88.69
G 15.0	96.58	95.45	94.52	95.48	95.38	95.56	95.79
G 20.0	98.26	97.44	97.04	97.22	97.20	97.52	97.94
G 25.0	100.37	99.74	99.47	99.95	99.76	99.78	99.85
G 30.0	102.26	101.79	101.80	102.38	102.14	101.79	101.90
G 35.0	103.78	103.53	103.64	104.14	103.87	103.47	103.52
G 40.0	104.73	104.49	104.62	104.96	104.60	104.52	104.67
G 45.0	103.41	102.88	103.04	103.40	103.04	103.08	103.34
G 50.0	99.17	99.18	98.70	99.02	98.86	98.95	99.19
G 55.0	94.00	93.69	93.60	94.24	93.76	93.64	94.04
G 60.0	88.86	88.82	88.36	88.65	88.56	88.74	88.80
G 65.0	83.70	83.33	83.29	84.01	83.34	83.38	83.66
G 70.0	79.46	79.13	78.83	78.81	79.01	78.94	79.12
G 75.0	74.95	74.75	74.78	75.35	74.95	74.83	74.93
G 80.0	72.09	71.80	71.50	71.71	71.67	71.53	71.70
G 85.0	69.34	69.02	69.05	69.24	69.05	68.96	69.06
G 90.0	67.79	67.64	67.54	67.51	67.38	67.41	67.64
G 95.0	68.02	67.78	67.83	67.72	67.66	67.66	67.78
G100.0	68.91	68.75	68.91	68.90	68.75	68.68	68.83
G105.0	70.98	70.76	70.57	70.58	70.57	70.47	70.64
G110.0	72.89	72.62	72.70	72.86	72.71	72.51	72.68
G115.0	74.83	74.59	74.39	74.50	74.51	74.29	74.34
G120.0	75.89	75.81	75.71	75.92	75.75	75.63	75.85
G125.0	76.76	76.70	76.54	76.60	76.47	76.44	76.67
G130.0	77.11	76.93	76.78	76.88	76.82	76.77	77.05
G135.0	76.83	76.49	76.68	76.66	76.56	76.47	76.81
G140.0	75.89	75.80	75.82	75.80	75.83	75.77	76.01
G145.0	74.64	74.20	74.49	74.48	74.41	74.33	74.58
G150.0	72.72	72.62	72.78	72.59	72.70	72.65	72.87
G155.0	70.76	70.36	70.58	70.59	70.60	70.45	70.68
G160.0	68.58	68.40	68.54	68.50	68.36	68.52	68.59
G165.0	66.77	66.53	66.75	66.69	66.71	66.79	66.93
G170.0	65.66	65.55	65.52	65.50	65.50	65.58	65.74
G175.0	64.60	64.44	64.46	64.48	64.37	64.44	64.61
G180.0	63.71	63.71	63.71	63.71	63.71	63.71	63.71

**Luminaire**

Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

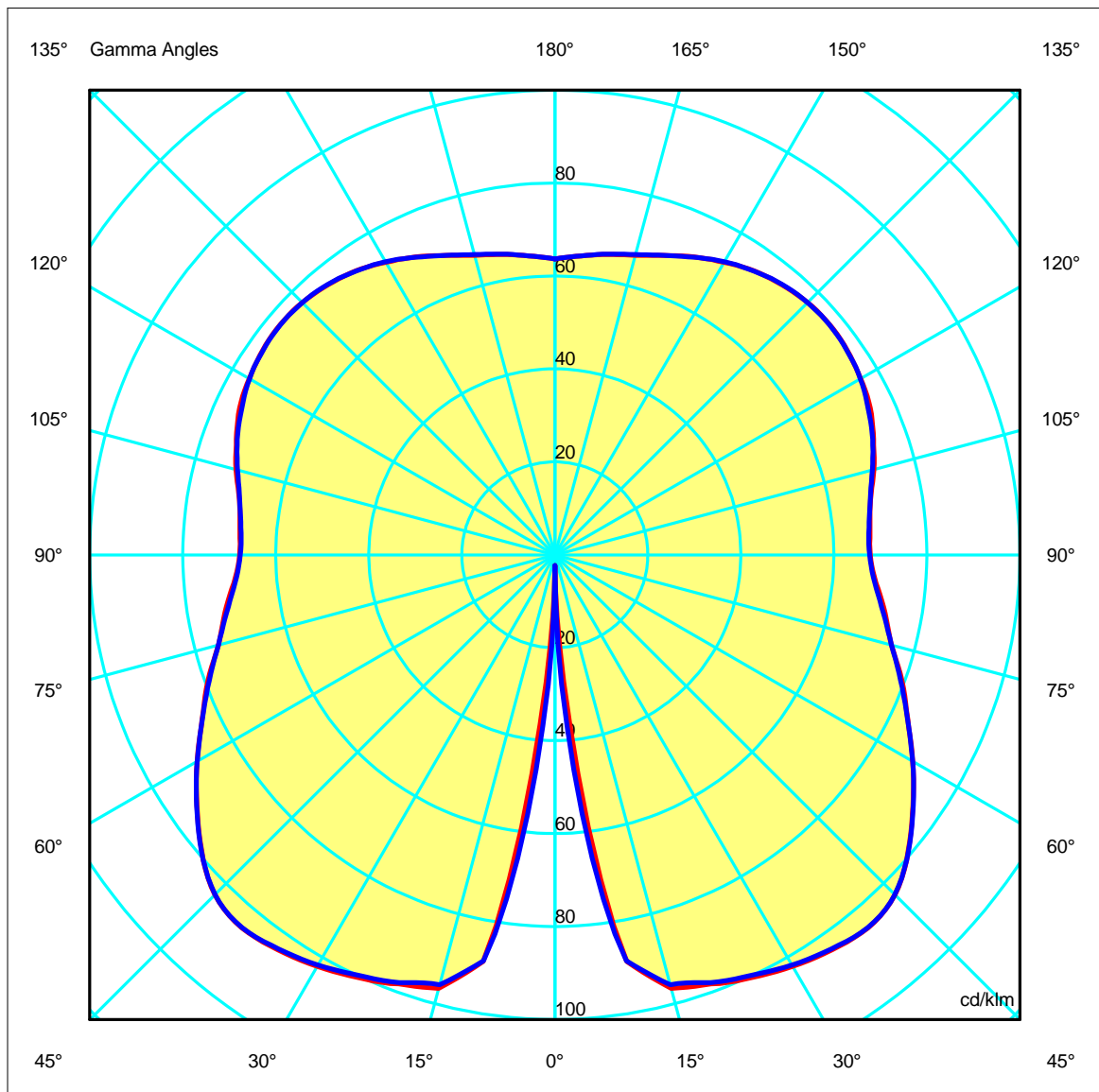
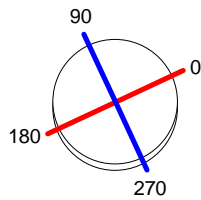
Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

Diam=160mm

C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0





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**Luminaire**Code DE-0270-BLA  
Name Portatil NITA led 2W 3000K**Measurem.**Code CL116A17F087G  
Name Portatil NITA led 2W 3000K

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Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

---

Right beam angle not found, gamma = 40

Right beam angle not found, gamma = 40

Right beam angle not found, gamma = 40



**Luminaire**

Code DE-0270-BLA  
Name Portatil NITA led 2W 3000K

**Measurement**

Code CL116A17F087G  
Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	6.2	7.1	7.0	8.0	9.1	6.2	7.1	7.0	8.0	9.1
x=2H y=3H	8.2	9.0	9.0	9.9	11.1	8.2	9.0	9.0	9.9	11.1
x=2H y=4H	9.2	10.0	10.1	10.9	12.1	9.2	10.0	10.1	10.9	12.1
x=2H y=6H	10.2	11.0	11.1	11.9	13.1	10.2	11.0	11.1	11.9	13.1
x=2H y=8H	10.7	11.5	11.6	12.4	13.5	10.7	11.4	11.6	12.4	13.5
x=2H y=12H	11.2	11.9	12.2	12.9	14.1	11.2	11.9	12.1	12.9	14.1
x=4H y=2H	6.9	7.7	7.8	8.6	9.8	6.9	7.7	7.8	8.6	9.8
x=4H y=3H	9.1	9.8	10.0	10.7	11.9	9.1	9.8	10.0	10.7	11.9
x=4H y=4H	10.3	10.9	11.2	11.8	13.0	10.3	10.9	11.2	11.8	13.0
x=4H y=6H	11.5	12.0	12.4	13.0	14.2	11.4	12.0	12.4	13.0	14.2
x=4H y=8H	12.0	12.6	13.0	13.5	14.8	12.0	12.6	13.0	13.5	14.8
x=4H y=12H	12.6	13.1	13.6	14.1	15.3	12.6	13.1	13.6	14.1	15.3
x=8H y=4H	10.7	11.2	11.7	12.2	13.5	10.7	11.2	11.7	12.2	13.5
x=8H y=6H	12.2	12.6	13.1	13.6	14.8	12.1	12.6	13.1	13.6	14.8
x=8H y=8H	12.9	13.3	13.9	14.3	15.6	12.9	13.3	13.9	14.3	15.6
x=8H y=12H	13.7	14.0	14.7	15.0	16.3	13.6	14.0	14.6	15.0	16.3
x=12H y=4H	10.8	11.3	11.8	12.3	13.5	10.8	11.3	11.8	12.3	13.5
x=12H y=6H	12.3	12.7	13.3	13.7	15.0	12.3	12.7	13.3	13.7	15.0
x=12H y=8H	13.1	13.5	14.1	14.5	15.8	13.1	13.5	14.1	14.5	15.8

**Luminaire**

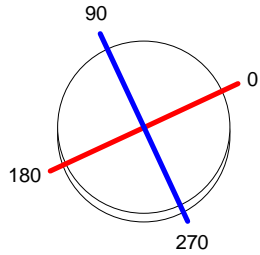
Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

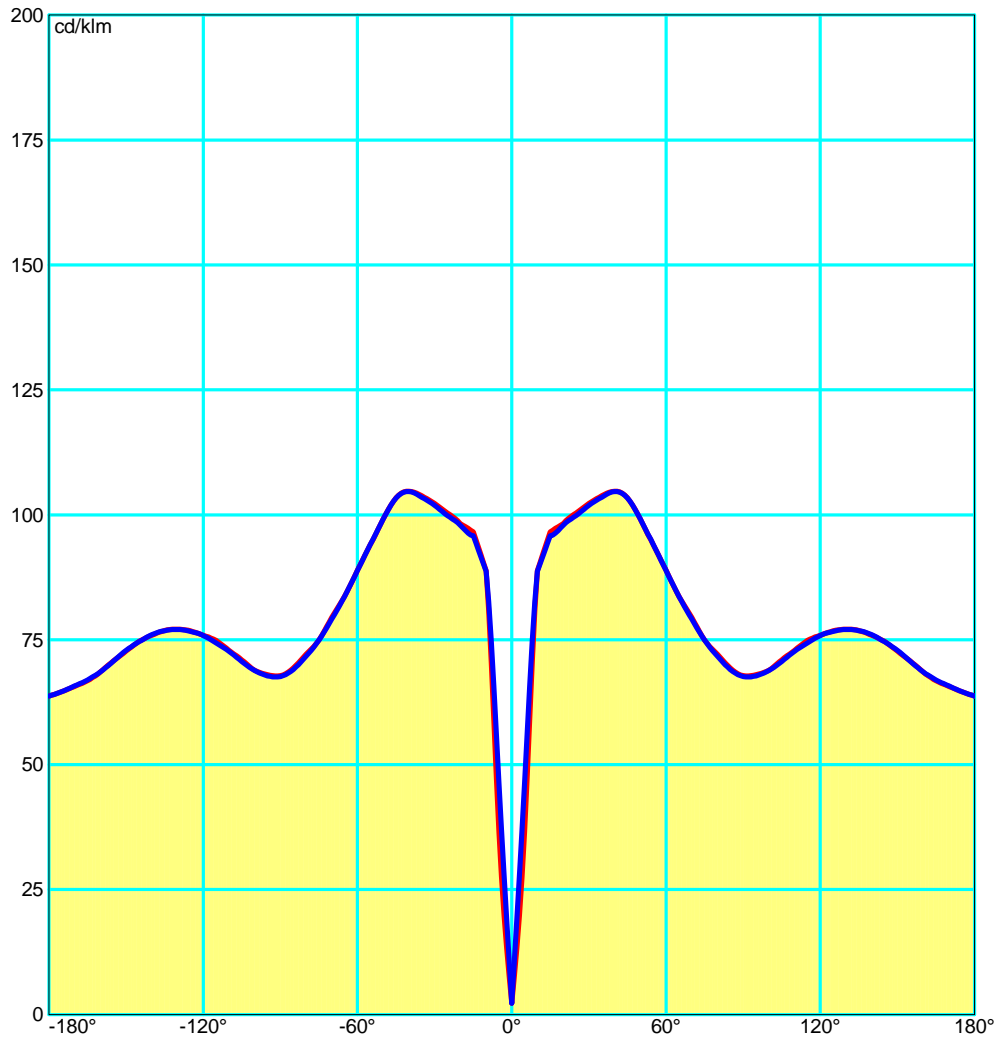
Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

Diam=160mm



C Halfplanes

180.0 ———— 0.0  
 270.0 ———— 90.0





**Luminaire**

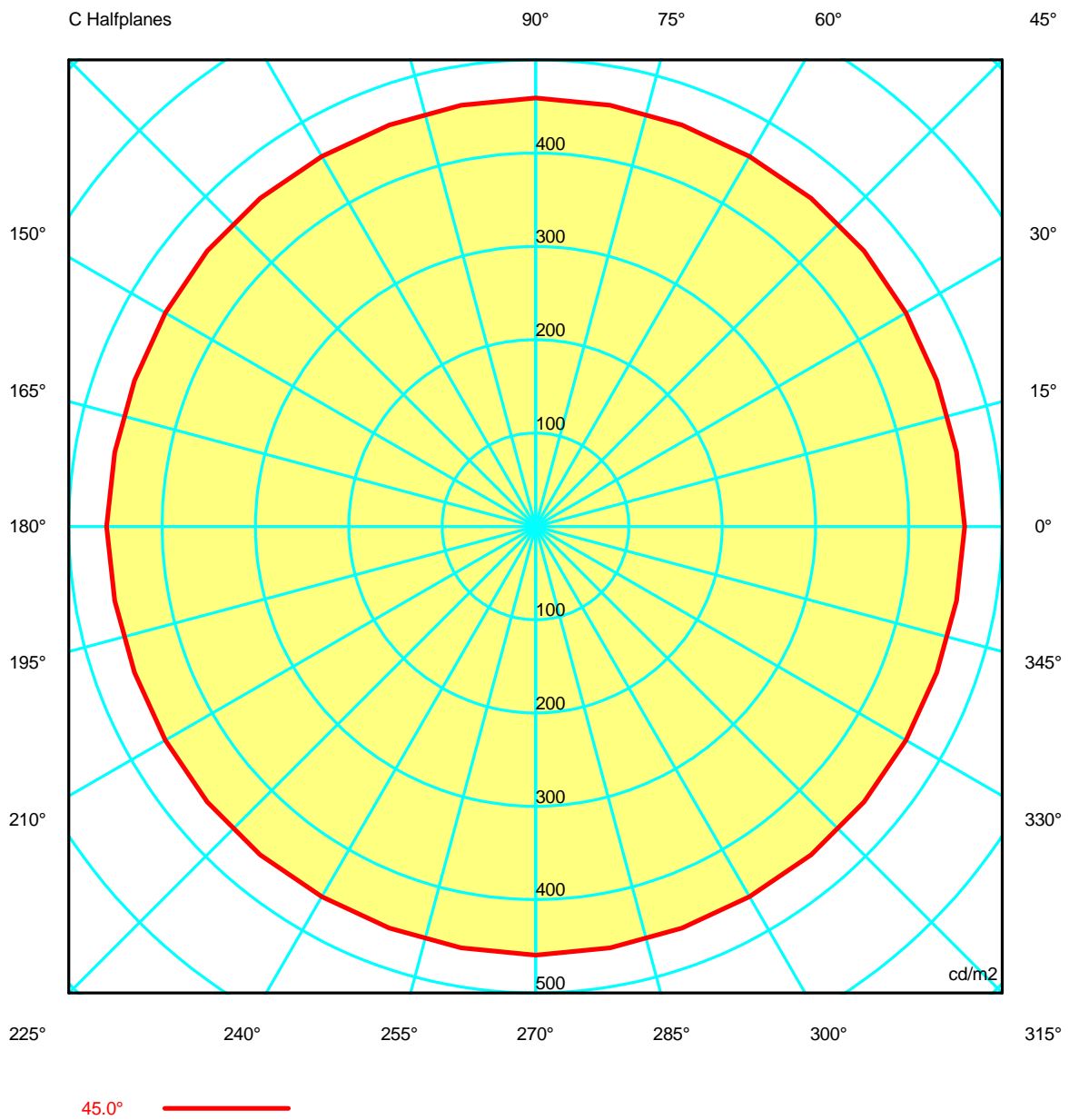
Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

Luminance





**Luminaire**

Code DE-0270-BLA  
Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**Luminance cd/m2 Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
G 5.0	290.85	372.11	351.22	299.98	376.56	406.90	369.97	415.80	432.16	368.28	432.16	415.80	369.97
G 10.0	622.46	621.96	609.07	579.58	573.30	591.35	613.24	613.99	616.70	621.37	616.70	613.99	613.24
G 15.0	608.94	604.41	598.95	595.98	599.94	601.80	601.39	601.86	603.08	603.95	603.08	601.86	601.39
G 20.0	567.11	563.81	561.18	560.05	560.72	561.09	560.95	562.02	563.66	565.25	563.66	562.02	560.95
G 25.0	537.82	535.54	533.56	533.04	534.86	535.24	534.56	534.47	534.83	535.06	534.83	534.47	534.56
G 30.0	515.06	513.34	512.30	512.74	514.86	515.70	514.46	513.05	512.64	513.23	512.64	513.05	514.46
G 35.0	496.66	495.74	495.32	495.99	497.77	498.34	497.09	495.63	495.06	495.42	495.06	495.63	497.09
G 40.0	480.91	480.02	479.73	480.40	481.70	481.63	480.30	479.82	480.09	480.63	480.09	479.82	480.30
G 45.0	459.70	457.85	457.22	458.06	459.40	459.28	458.03	457.94	458.60	459.39	458.60	457.94	458.03
G 50.0	430.41	430.75	429.68	428.37	429.25	429.74	429.08	429.16	429.78	430.51	429.78	429.16	429.08
G 55.0	401.51	400.64	399.72	399.83	401.89	402.26	400.50	399.80	400.40	401.69	400.40	399.80	400.50
G 60.0	376.46	376.34	375.57	374.37	375.15	375.61	375.21	375.64	376.15	376.24	376.15	375.64	375.21
G 65.0	354.42	353.35	352.39	352.70	355.11	355.19	352.91	352.65	353.47	354.25	353.47	352.65	352.91
G 70.0	338.86	337.95	336.99	336.20	335.96	336.42	336.97	336.74	336.76	337.42	336.76	336.74	336.97
G 75.0	324.41	323.83	323.32	323.69	325.58	325.92	324.44	323.87	324.03	324.35	324.03	323.87	324.44
G 80.0	319.25	318.48	317.39	316.64	317.22	317.71	317.39	316.88	316.91	317.53	316.91	316.88	317.39
G 85.0	316.78	315.70	315.20	315.46	316.16	316.19	315.49	315.08	315.14	315.50	315.14	315.08	315.49
G 90.0	322.38	321.89	321.45	321.18	321.12	320.85	320.44	320.40	320.88	321.69	320.88	320.40	320.44



**Luminaire**

Code DE-0270-BLA  
Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**Luminance cd/m2 Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
G 5.0	406.90	376.56	299.98	351.22	372.11	290.85	372.11	351.22	299.98	376.56	406.90	369.97	415.80
G 10.0	591.35	573.30	579.58	609.07	621.96	622.46	621.96	609.07	579.58	573.30	591.35	613.24	613.99
G 15.0	601.80	599.94	595.98	598.95	604.41	608.94	604.41	598.95	595.98	599.94	601.80	601.39	601.86
G 20.0	561.09	560.72	560.05	561.18	563.81	567.11	563.81	561.18	560.05	560.72	561.09	560.95	562.02
G 25.0	535.24	534.86	533.04	533.56	535.54	537.82	535.54	533.56	533.04	534.86	535.24	534.56	534.47
G 30.0	515.70	514.86	512.74	512.30	513.34	515.06	513.34	512.30	512.74	514.86	515.70	514.46	513.05
G 35.0	498.34	497.77	495.99	495.32	495.74	496.66	495.74	495.32	495.99	497.77	498.34	497.09	495.63
G 40.0	481.63	481.70	480.40	479.73	480.02	480.91	480.02	479.73	480.40	481.70	481.63	480.30	479.82
G 45.0	459.28	459.40	458.06	457.22	457.85	459.70	457.85	457.22	458.06	459.40	459.28	458.03	457.94
G 50.0	429.74	429.25	428.37	429.68	430.75	430.41	430.75	429.68	428.37	429.25	429.74	429.08	429.16
G 55.0	402.26	401.89	399.83	399.72	400.64	401.51	400.64	399.72	399.83	401.89	402.26	400.50	399.80
G 60.0	375.61	375.15	374.37	375.57	376.34	376.46	376.34	375.57	374.37	375.15	375.61	375.21	375.64
G 65.0	355.19	355.11	352.70	352.39	353.35	354.42	353.35	352.39	352.70	355.11	355.19	352.91	352.65
G 70.0	336.42	335.96	336.20	336.99	337.95	338.86	337.95	336.99	336.20	335.96	336.42	336.97	336.74
G 75.0	325.92	325.58	323.69	323.32	323.83	324.41	323.83	323.32	323.69	325.58	325.92	324.44	323.87
G 80.0	317.71	317.22	316.64	317.39	318.48	319.25	318.48	317.39	316.64	317.22	317.71	317.99	316.88
G 85.0	316.19	316.16	315.46	315.20	315.70	316.78	315.70	315.20	315.46	316.16	316.19	315.49	315.08
G 90.0	320.85	321.12	321.18	321.45	321.89	322.38	321.89	321.45	321.18	321.12	320.85	320.44	320.40



**Luminaire**

Code DE-0270-BLA  
Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**Luminance cd/m2 Table 3/3**

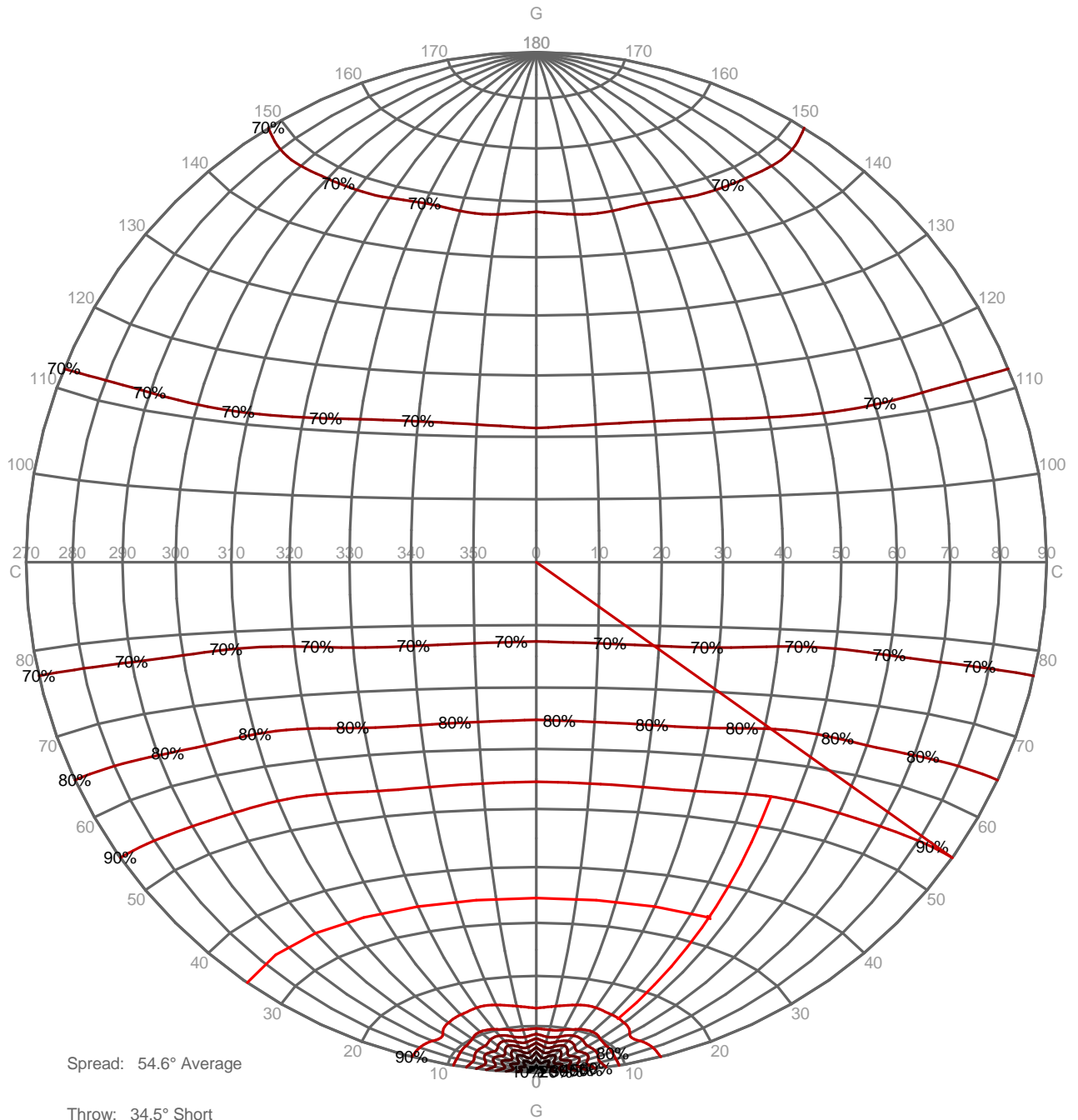
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
G 5.0	432.16	368.28	432.16	415.80	369.97	406.90	376.56	299.98	351.22	372.11
G 10.0	616.70	621.37	616.70	613.99	613.24	591.35	573.30	579.58	609.07	621.96
G 15.0	603.08	603.95	603.08	601.86	601.39	601.80	599.94	595.98	598.95	604.41
G 20.0	563.66	565.25	563.66	562.02	560.95	561.09	560.72	560.05	561.18	563.81
G 25.0	534.83	535.06	534.83	534.47	534.56	535.24	534.86	533.04	533.56	535.54
G 30.0	512.64	513.23	512.64	513.05	514.46	515.70	514.86	512.74	512.30	513.34
G 35.0	495.06	495.42	495.06	495.63	497.09	498.34	497.77	495.99	495.32	495.74
G 40.0	480.09	480.63	480.09	479.82	480.30	481.63	481.70	480.40	479.73	480.02
G 45.0	458.60	459.39	458.60	457.94	458.03	459.28	459.40	458.06	457.22	457.85
G 50.0	429.78	430.51	429.78	429.16	429.08	429.74	429.25	428.37	429.68	430.75
G 55.0	400.40	401.69	400.40	399.80	400.50	402.26	401.89	399.83	399.72	400.64
G 60.0	376.15	376.24	376.15	375.64	375.21	375.61	375.15	374.37	375.57	376.34
G 65.0	353.47	354.25	353.47	352.65	352.91	355.19	355.11	352.70	352.39	353.35
G 70.0	336.76	337.42	336.76	336.74	336.97	336.42	335.96	336.20	336.99	337.95
G 75.0	324.03	324.35	324.03	323.87	324.44	325.92	325.58	323.69	323.32	323.83
G 80.0	316.91	317.53	316.91	316.88	317.39	317.71	317.22	316.64	317.39	318.48
G 85.0	315.14	315.50	315.14	315.08	315.49	316.19	316.16	315.46	315.20	315.70
G 90.0	320.88	321.69	320.88	320.40	320.44	320.85	321.12	321.18	321.45	321.89

**Luminaire**  
 Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K  
**Measurment**  
 Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI 8.5 Tight Tilting Angle:0°



**Luminaire**

Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

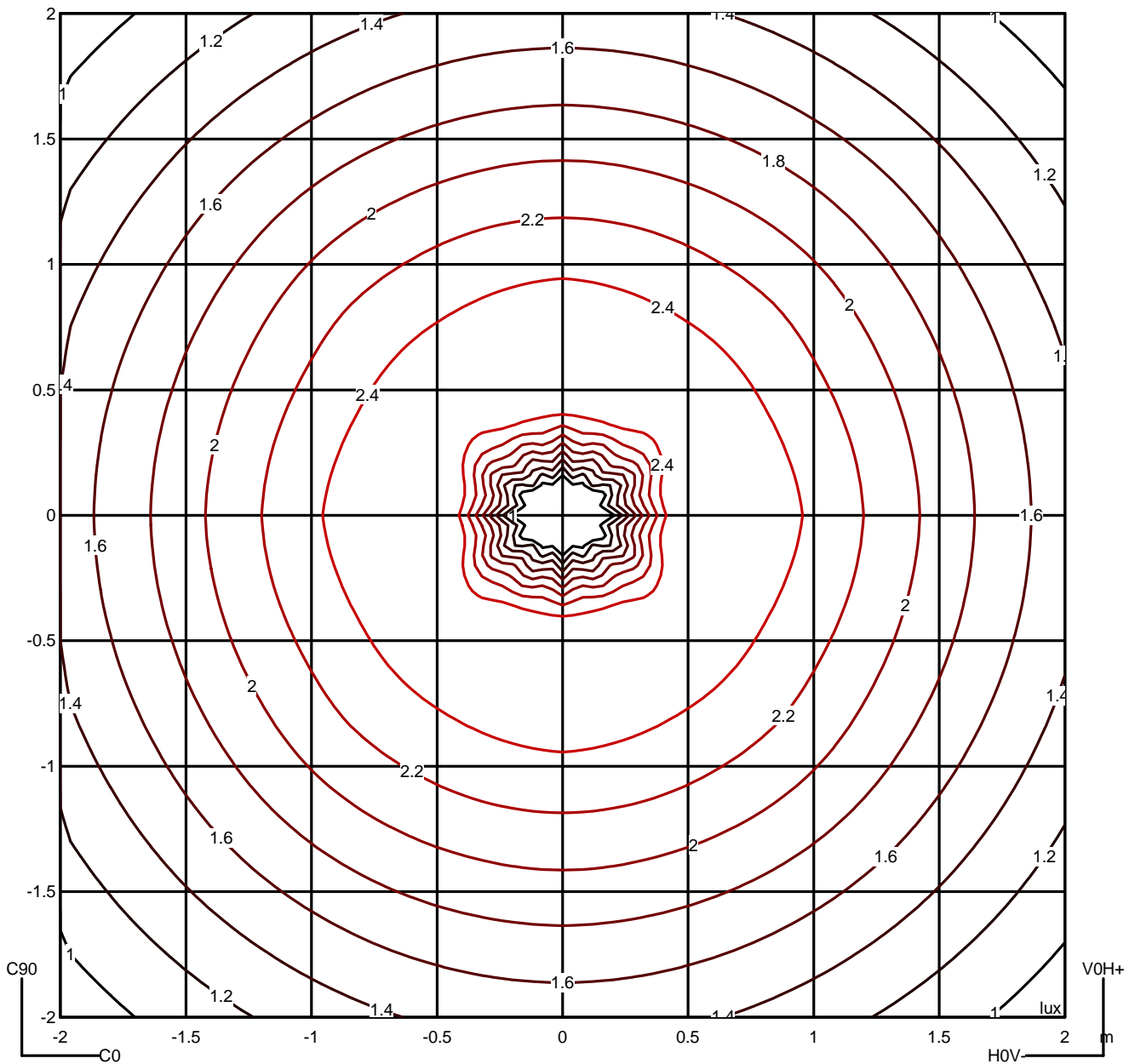
**Measurment**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



**Luminaire**

Code DE-0270-BLA  
 Name Portatil NITA led 2W 3000K

**Measur.**

Code CL116A17F087G  
 Name Portatil NITA led 2W 3000K

Luminaire Flux	186.42 lm	Luminaire Power	2.53 W	Efficacy	73.68 lm/W	Efficiency	100.00%
Lamps Flux	186.42 lm	Maximum value	104.96 cd/klm	Position	C=45.00 G=40.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		460	430	402	376	354	339	324	319	317	---
90.0°		459	431	402	376	354	337	324	318	315	---

Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55

