



## Vira

## DE-0180-BLA

Pendant IP20 Vira Blanco

### TECHNICAL FEATURES

IP20



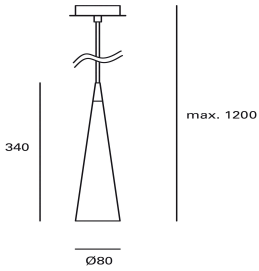
Structure material : Steel

Voltage / frequency : 100-240V/50-60Hz

Structure finish : Blanco

Warranty : 5 Years

Energy efficiency : Light bulb not included



### LOGISTICS

Net weight (kg): 0.6

Packaged weight (kg): 0.78

Packaging: 105mm x 90mm x 360mm



### LIGHT APPLICATION



**Luminaire**

Code DE-0180-BLA  
Name Colgante led 5W GU10

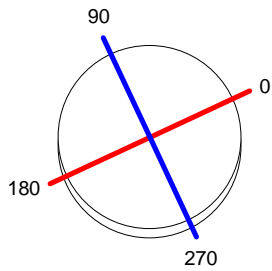
**Measur.**

Code DE-0181-BLA  
Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire Round Luminous Area		Diam.	80 mm	Height	340 mm		
		Diam.	42 mm	Height	0 mm		
Horizontal Luminous Area		0.001385 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.000335 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		25-08-2016		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		352.00 lm	
Operator		Asselum T3		Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

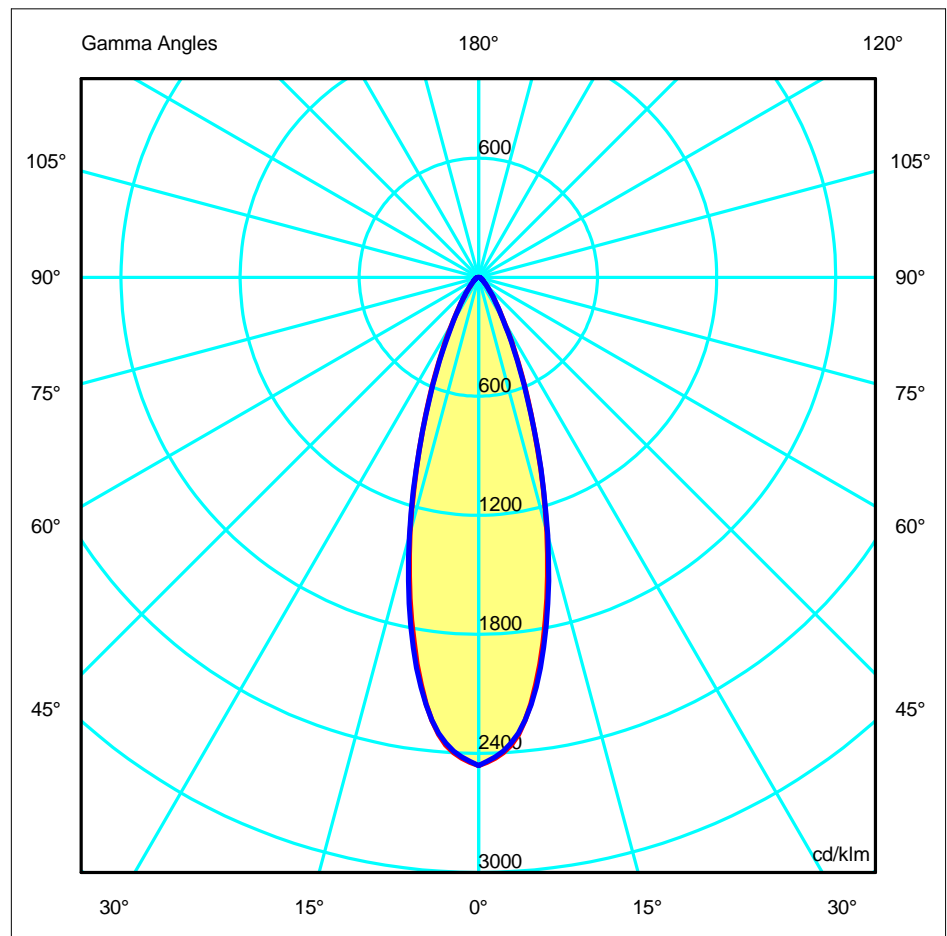
Line	Luminaire Lamps					
	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	LED STAR 5W GU10	LED STAR 5W GU10	352.00	5.00	1	
C.I.E.	91 97 99 100 100					D DIN 5040
F UTE	1.00 A					B NBN
			A60			BZ 1

Diam=80mm



C Halfplanes  
180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %





**Luminaire**

Code DE-0180-BLA  
Name Colgante led 5W GU10

**Measur.**

Code DE-0181-BLA  
Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	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	2459.92	2459.92	2459.92	2459.92	2459.92	2459.92	2459.92
G 5.0	2312.46	2300.79	2297.90	2307.07	2304.79	2310.51	2306.05
G 10.0	1868.08	1875.71	1887.28	1889.05	1891.38	1906.13	1893.38
G 15.0	1328.47	1316.03	1314.76	1328.21	1330.50	1344.26	1346.01
G 20.0	824.04	818.02	812.54	817.03	824.71	834.53	822.02
G 25.0	475.26	467.29	457.27	468.64	469.25	467.89	463.95
G 30.0	257.50	255.27	253.34	256.25	259.09	257.92	249.41
G 35.0	143.63	144.11	143.91	147.36	145.53	146.18	144.99
G 40.0	84.62	86.45	85.50	87.10	86.70	86.84	85.84
G 45.0	53.56	54.38	54.18	55.48	55.16	55.48	54.66
G 50.0	37.02	36.63	37.05	37.74	37.77	37.58	37.30
G 55.0	26.61	26.76	27.05	27.27	27.14	27.53	27.75
G 60.0	20.61	20.88	20.91	20.91	20.91	21.04	20.72
G 65.0	16.85	16.57	16.43	16.74	16.76	16.70	16.47
G 70.0	12.99	12.96	12.81	12.96	12.97	12.77	12.59
G 75.0	9.64	9.77	9.56	9.57	9.59	9.95	9.61
G 80.0	6.32	6.45	6.35	6.40	6.29	6.59	6.42
G 85.0	3.46	3.48	3.35	3.41	3.55	3.61	3.69
G 90.0	1.50	1.48	1.49	1.53	1.60	1.70	1.74

**Luminaire**

Code DE-0180-BLA  
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**Measur.**

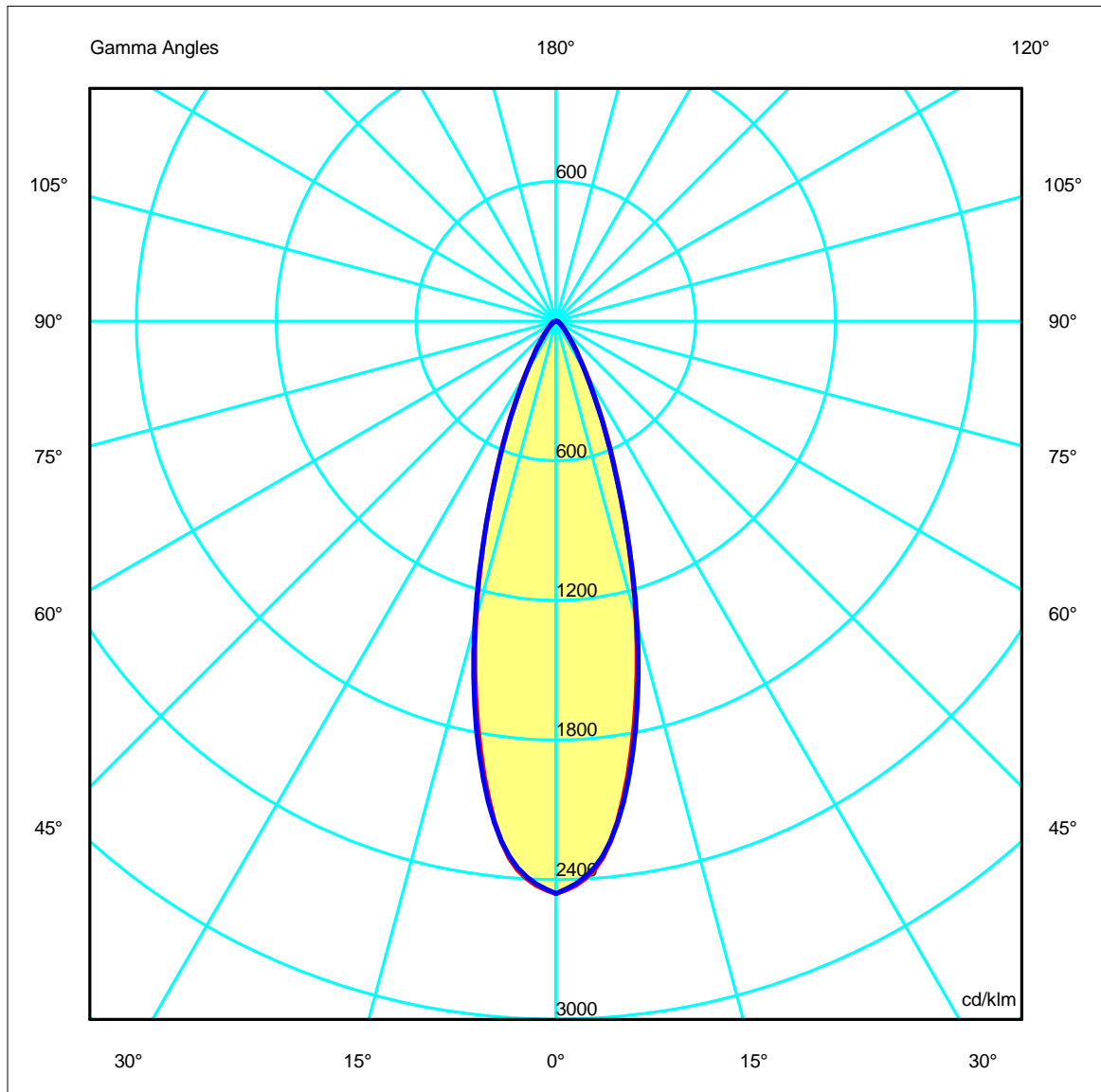
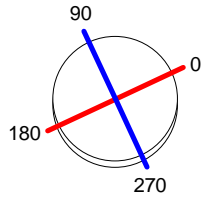
Code DE-0181-BLA  
 Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=80mm

C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



**Luminaire**

 Code DE-0180-BLA  
 Name Colgante led 5W GU10

**Measur.**

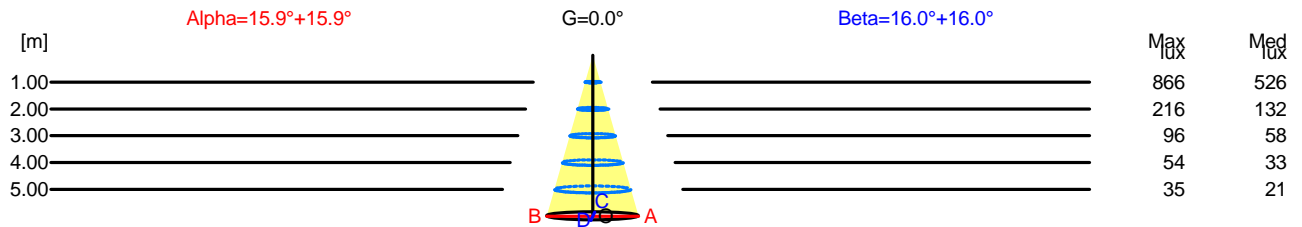
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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical


Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.29	0.57	0.86	1.14	1.43	OC	0.29	0.57	0.86	1.15	1.44
OB	0.29	0.57	0.86	1.14	1.43	OD	0.29	0.57	0.86	1.15	1.44

	Luminous Intensities [ cd/klm ]									
	0	5	15	25	35	45	55	65	75	85
OA	865.89	813.98	467.62	167.29	50.56	18.85	9.37	5.93	3.39	1.22
OB	865.89	813.98	467.62	167.29	50.56	18.85	9.37	5.93	3.39	1.22
OC	865.89	811.73	473.80	163.31	51.04	19.24	9.77	5.80	3.38	1.30
OD	865.89	811.73	473.80	163.31	51.04	19.24	9.77	5.80	3.38	1.30



H[m]	D[m]	Max lux	Med lux	Alpha=15.9°+15.9°	G=0.0	
1.00	0.57	866	526			
2.00	1.14	216	132			
3.00	1.71	96	58			
4.00	2.28	54	33			
5.00	2.85	35	21			

H[m]	D[m]	Max lux	Med lux	Beta=16.0°+16.0°	G=0.0	
1.00	0.57	866	526			
2.00	1.15	216	132			
3.00	1.72	96	58			
4.00	2.30	54	33			
5.00	2.87	35	21			



**Luminaire**

Code DE-0180-BLA  
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**Measurement**

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Name Colgante led 5W GU10

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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	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	16.6	17.4	16.9	17.6	17.8	16.7	17.4	16.9	17.6	17.8
x=2H y=3H	17.4	18.1	17.7	18.3	18.6	17.5	18.2	17.8	18.4	18.6
x=2H y=4H	17.9	18.5	18.2	18.8	19.1	17.9	18.5	18.2	18.8	19.1
x=2H y=6H	18.3	18.9	18.6	19.1	19.5	18.3	18.9	18.6	19.2	19.5
x=2H y=8H	18.4	19.0	18.8	19.3	19.7	18.5	19.1	18.8	19.3	19.7
x=2H y=12H	18.6	19.1	18.9	19.4	19.8	18.6	19.2	19.0	19.5	19.8
x=4H y=2H	16.9	17.6	17.2	17.8	18.2	17.0	17.6	17.3	17.9	18.2
x=4H y=3H	18.0	18.5	18.3	18.8	19.2	18.0	18.5	18.4	18.9	19.2
x=4H y=4H	18.6	19.0	18.9	19.4	19.8	18.6	19.1	19.0	19.4	19.8
x=4H y=6H	19.1	19.5	19.5	19.9	20.3	19.2	19.6	19.6	19.9	20.3
x=4H y=8H	19.4	19.7	19.8	20.1	20.6	19.4	19.8	19.9	20.2	20.6
x=4H y=12H	19.6	19.9	20.0	20.3	20.8	19.7	20.0	20.1	20.4	20.8
x=8H y=4H	18.8	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
x=8H y=6H	19.5	19.8	20.0	20.2	20.7	19.6	19.8	20.0	20.3	20.7
x=8H y=8H	19.8	20.1	20.3	20.5	21.0	19.9	20.1	20.4	20.6	21.0
x=8H y=12H	20.2	20.3	20.6	20.8	21.4	20.2	20.4	20.7	20.9	21.4
x=12H y=4H	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
x=12H y=6H	19.6	19.8	20.1	20.3	20.8	19.6	19.9	20.1	20.3	20.8
x=12H y=8H	20.0	20.2	20.4	20.6	21.2	20.0	20.2	20.5	20.7	21.2

**Luminaire**

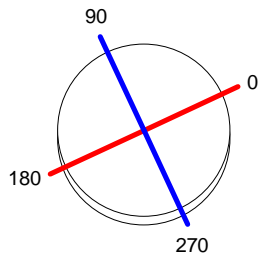
Code DE-0180-BLA  
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**Measur.**

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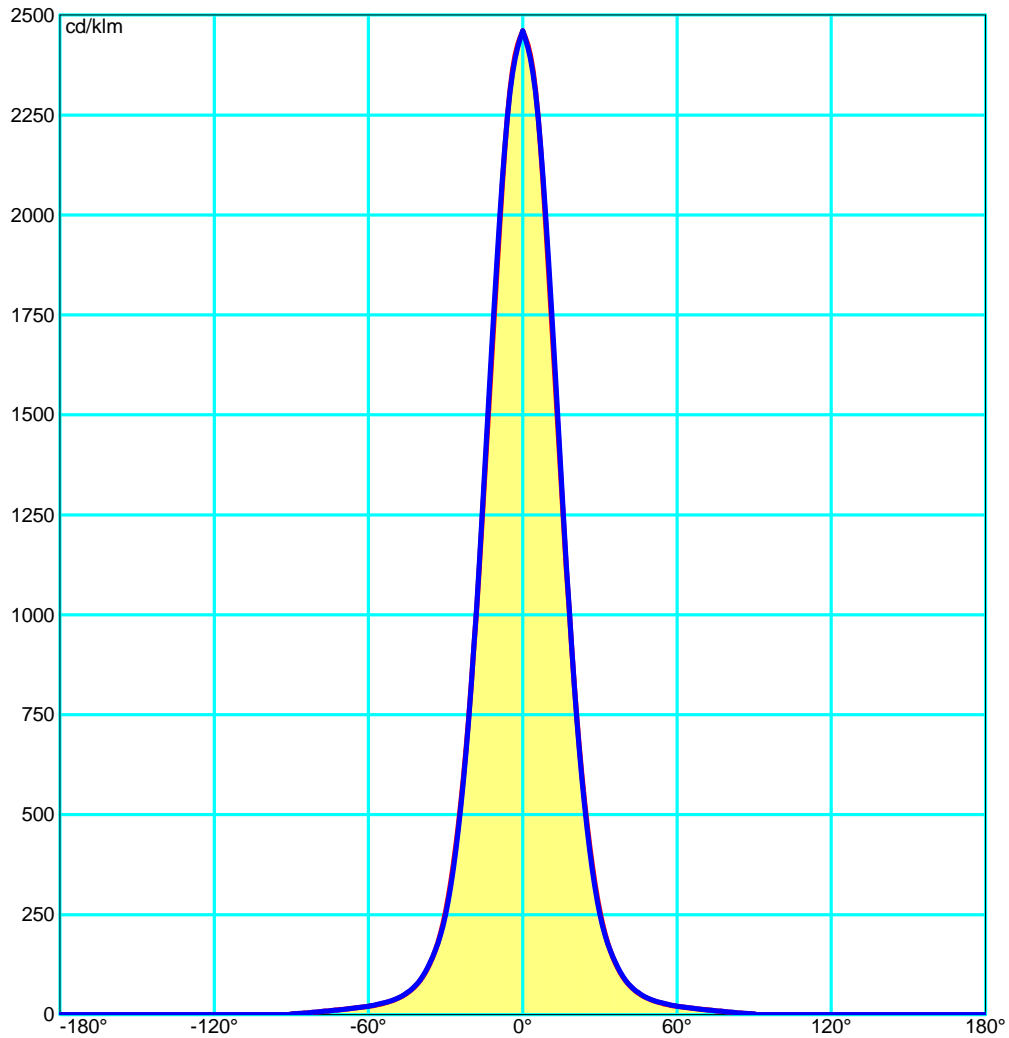
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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=80mm



C Halfplanes

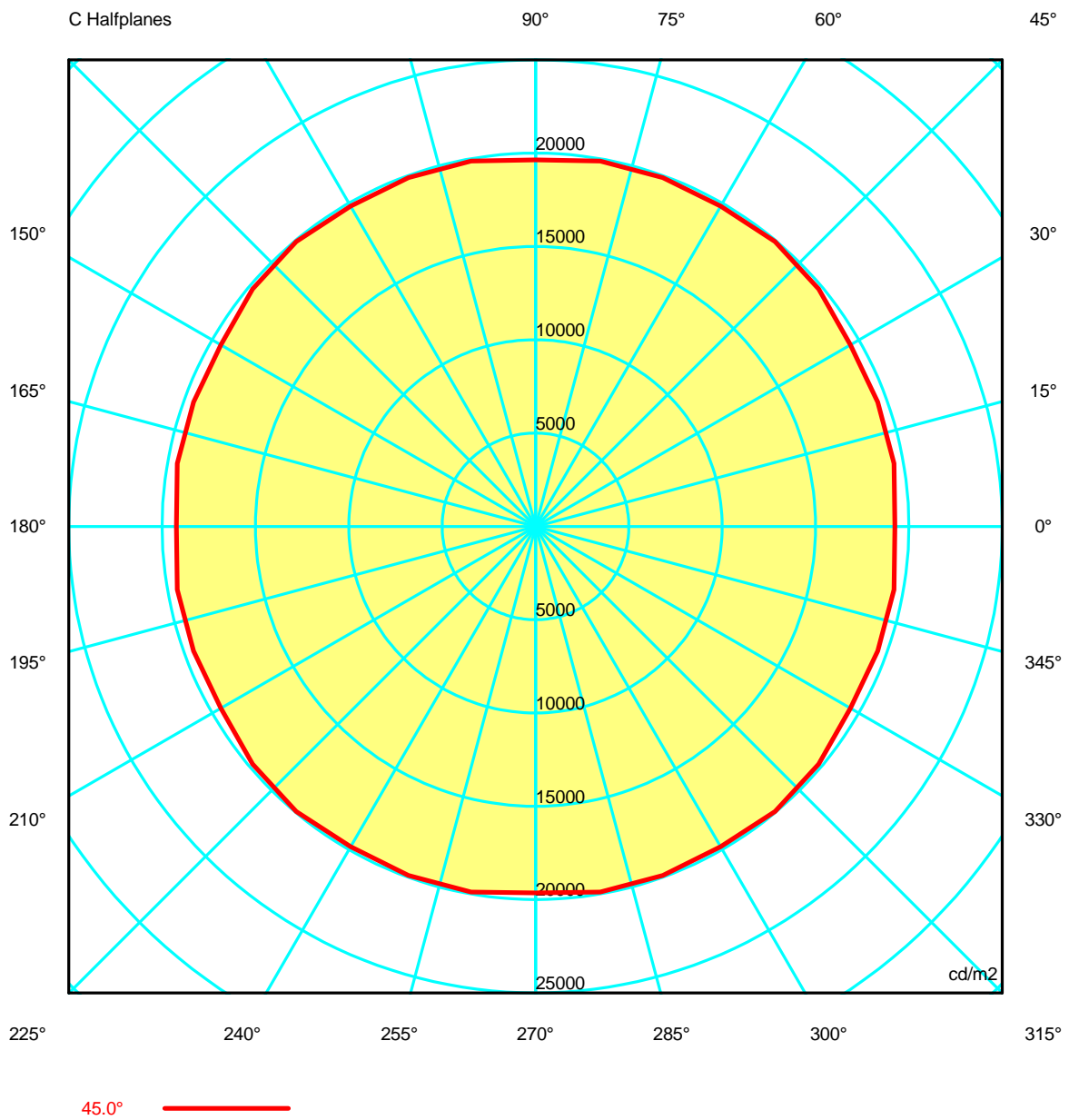
180.0 ———— 0.0  
 270.0 ———— 90.0



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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance







**Luminaire**

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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	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	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08
G 5.0	589771.07	587673.74	586138.89	586058.28	587781.45	588354.45	587817.04	588815.03	589232.29	588137.34	589232.29	588815.03	587817.04
G 10.0	481945.14	483098.05	484959.69	486899.86	487203.47	487556.26	487958.21	490873.16	491447.34	488472.17	491447.34	490873.16	487958.21
G 15.0	349432.75	347090.74	345531.62	345826.45	348339.51	349666.04	349965.33	352389.48	353738.80	354045.33	353738.80	352389.48	349965.33
G 20.0	222801.30	221770.98	220514.36	219690.49	220325.30	221467.24	222980.88	225190.42	225122.61	222253.82	225122.61	225190.42	222980.88
G 25.0	133233.04	131981.13	129710.45	128188.16	130210.22	131433.02	131548.31	131308.46	130887.04	130062.07	130887.04	131308.46	131548.31
G 30.0	75545.29	75135.78	74613.58	74324.48	74801.32	75524.47	76011.54	76012.98	75020.40	73170.38	75020.40	76012.98	76011.54
G 35.0	44547.69	44711.00	44676.44	44636.48	45440.98	45628.63	45136.54	45241.16	45308.63	44971.39	45308.63	45241.16	45136.54
G 40.0	28065.52	28588.38	28576.77	28355.79	28710.75	28843.27	28755.85	28791.19	28740.81	28470.25	28740.81	28791.19	28755.85
G 45.0	19244.12	19497.07	19503.01	19468.24	19798.97	19939.82	19819.63	19901.96	19886.91	19639.36	19886.91	19901.96	19819.63
G 50.0	14631.28	14501.35	14497.90	14644.32	14845.82	14948.98	14929.57	14884.12	14822.19	14744.64	14822.19	14884.12	14929.57
G 55.0	11786.36	11824.98	11890.02	11982.94	12066.76	12056.92	12023.12	12126.96	12239.67	12290.10	12239.67	12126.96	12023.12
G 60.0	10474.43	10577.29	10615.43	10624.92	10625.56	10624.89	10622.88	10668.79	10662.80	10530.47	10662.80	10668.79	10622.88
G 65.0	10128.43	10015.82	9907.09	9876.66	10000.10	10086.88	10074.17	10059.67	10005.81	9900.97	10005.81	10059.67	10074.17
G 70.0	9652.76	9634.89	9580.56	9513.24	9582.89	9656.06	9634.84	9538.35	9435.52	9355.39	9435.52	9538.35	9634.84
G 75.0	9460.88	9583.08	9532.08	9388.48	9392.53	9402.61	9418.70	9685.39	9735.22	9437.45	9735.22	9685.39	9418.70
G 80.0	9252.46	9412.73	9392.35	9295.02	9363.54	9296.30	9205.93	9507.98	9641.97	9391.56	9641.97	9507.98	9205.93
G 85.0	10100.93	10177.94	10019.19	9771.35	9832.95	10098.25	10355.77	10480.12	10587.49	10742.73	10587.49	10480.12	10355.77
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**Luminaire**

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**Measur.**

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Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	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	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08
G 5.0	588354.45	587781.45	586058.28	586138.89	587673.74	589771.07	587673.74	586138.89	586058.28	587781.45	588354.45	587817.04	588815.03
G 10.0	487556.26	487203.47	486899.86	484959.69	483098.05	481945.14	483098.05	484959.69	486899.86	487203.47	487556.26	487958.21	490873.16
G 15.0	349666.04	348339.51	345826.45	345531.62	347090.74	349432.75	347090.74	345531.62	345826.45	348339.51	349666.04	349965.33	352389.48
G 20.0	221467.24	220325.30	219690.49	220514.36	221770.98	222801.30	221770.98	220514.36	219690.49	220325.30	221467.24	222980.88	225190.42
G 25.0	131433.02	130210.22	128188.16	129710.45	131981.13	133233.04	131981.13	129710.45	128188.16	130210.22	131433.02	131548.31	131308.46
G 30.0	75524.47	74801.32	74324.48	74613.58	75135.78	75545.29	75135.78	74613.58	74324.48	74801.32	75524.47	76011.54	76012.98
G 35.0	45628.63	45440.98	44636.48	44676.44	44711.00	44547.69	44711.00	44676.44	44636.48	45440.98	45628.63	45136.54	45241.16
G 40.0	28843.27	28710.75	28355.79	28576.77	28588.38	28065.52	28588.38	28576.77	28355.79	28710.75	28843.27	28755.85	28791.19
G 45.0	19939.82	19798.97	19468.24	19503.01	19497.07	19244.12	19497.07	19503.01	19468.24	19798.97	19939.82	19819.63	19901.96
G 50.0	14948.98	14845.82	14644.32	14497.90	14501.35	14631.28	14501.35	14497.90	14644.32	14845.82	14948.98	14929.57	14884.12
G 55.0	12056.92	12066.76	11982.94	11890.02	11824.98	11786.36	11824.98	11890.02	11982.94	12066.76	12056.92	12023.12	12126.96
G 60.0	10624.89	10625.56	10624.92	10615.43	10577.29	10474.43	10577.29	10615.43	10624.92	10625.56	10624.89	10622.88	10668.79
G 65.0	10086.88	10000.10	9876.66	9907.09	10015.82	10128.43	10015.82	9907.09	9876.66	10000.10	10086.88	10074.17	10059.67
G 70.0	9656.06	9582.89	9513.24	9580.56	9634.89	9652.76	9634.89	9580.56	9513.24	9582.89	9656.06	9634.84	9538.35
G 75.0	9402.61	9392.53	9388.48	9532.08	9583.08	9460.88	9583.08	9532.08	9388.48	9392.53	9402.61	9418.70	9685.39
G 80.0	9296.30	9363.54	9295.02	9392.35	9412.73	9252.46	9412.73	9392.35	9295.02	9363.54	9296.30	9205.93	9507.98
G 85.0	10098.25	9832.95	9771.35	10019.19	10177.94	10100.93	10177.94	10019.19	9771.35	9832.95	10098.25	10355.77	10480.12
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**Luminaire**

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Name Colgante led 5W GU10

**Measur.**

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Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

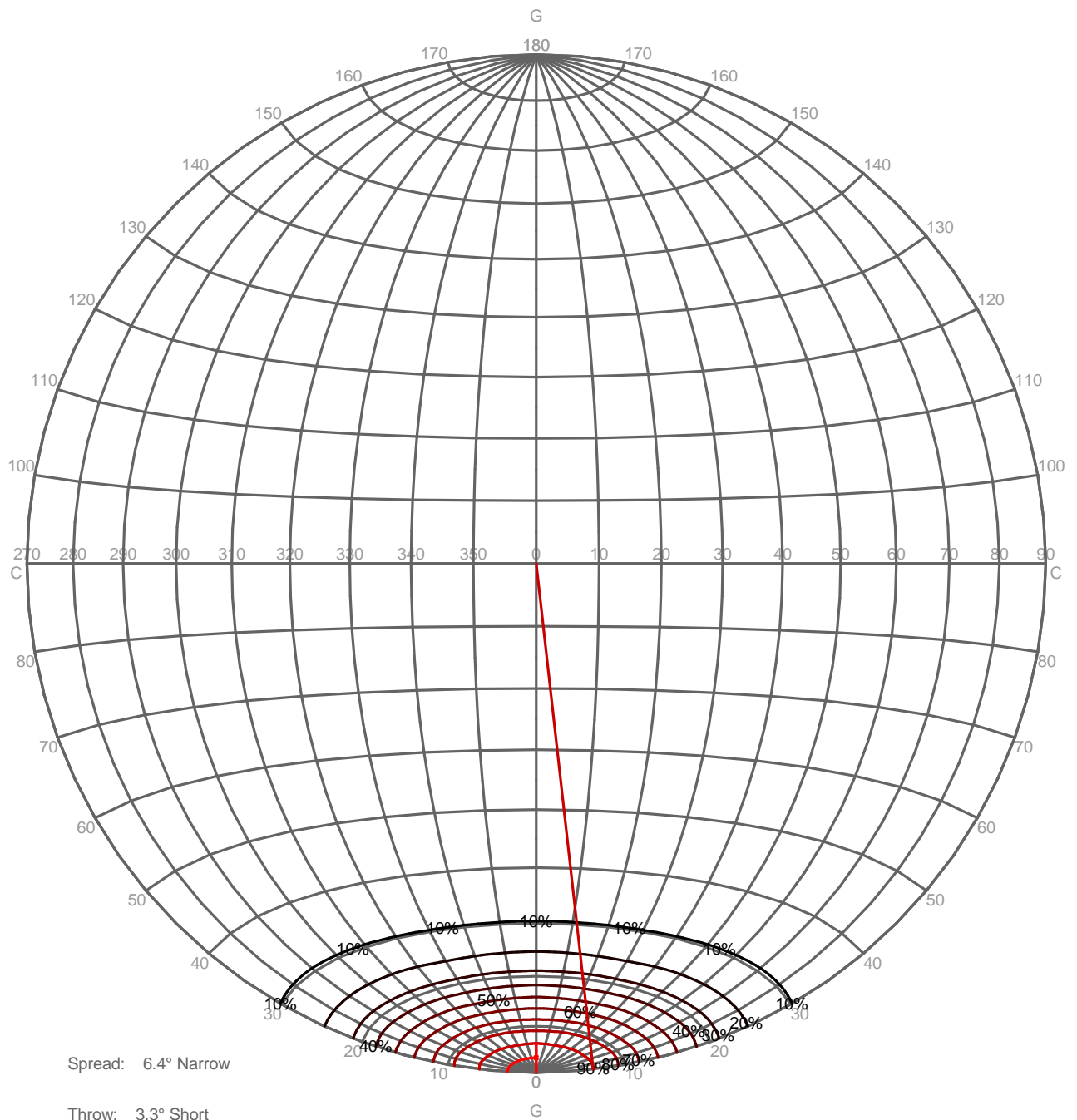
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08
G 5.0	589232.29	588137.34	589232.29	588815.03	587817.04	588354.45	587781.45	586058.28	586138.89	587673.74
G 10.0	491447.34	488472.17	491447.34	490873.16	487958.21	487556.26	487203.47	486899.86	484959.69	483098.05
G 15.0	353738.80	354045.33	353738.80	352389.48	349965.33	349666.04	348339.51	345826.45	345531.62	347090.74
G 20.0	225122.61	222253.82	225122.61	225190.42	222980.88	221467.24	220325.30	219690.49	220514.36	221770.98
G 25.0	130887.04	130062.07	130887.04	131308.46	131548.31	131433.02	130210.22	128188.16	129710.45	131981.13
G 30.0	75020.40	73170.38	75020.40	76012.98	76011.54	75524.47	74801.32	74324.48	74613.58	75135.78
G 35.0	45308.63	44971.39	45308.63	45241.16	45136.54	45628.63	45440.98	44636.48	44676.44	44711.00
G 40.0	28740.81	28470.25	28740.81	28791.19	28755.85	28843.27	28710.75	28355.79	28576.77	28588.38
G 45.0	19886.91	19639.36	19886.91	19901.96	19819.63	19939.82	19798.97	19468.24	19503.01	19497.07
G 50.0	14822.19	14744.64	14822.19	14884.12	14929.57	14948.98	14845.82	14644.32	14497.90	14501.35
G 55.0	12239.67	12290.10	12239.67	12126.96	12023.12	12056.92	12066.76	11982.94	11890.02	11824.98
G 60.0	10662.80	10530.47	10662.80	10668.79	10622.88	10624.89	10625.56	10624.92	10615.43	10577.29
G 65.0	10005.81	9900.97	10005.81	10059.67	10074.17	10086.88	10000.10	9876.66	9907.09	10015.82
G 70.0	9435.52	9355.39	9435.52	9538.35	9634.84	9656.06	9582.89	9513.24	9580.56	9634.89
G 75.0	9735.22	9437.45	9735.22	9685.39	9418.70	9402.61	9392.53	9388.48	9532.08	9583.08
G 80.0	9641.97	9391.56	9641.97	9507.98	9205.93	9296.30	9363.54	9295.02	9392.35	9412.73
G 85.0	10587.49	10742.73	10587.49	10480.12	10355.77	10098.25	9832.95	9771.35	10019.19	10177.94
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Luminaire**  
 Code DE-0180-BLA  
 Name Colgante led 5W GU10  
**Measur.**  
 Code DE-0181-BLA  
 Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI (glare) 9.0 Tight Tilting Angle:0°

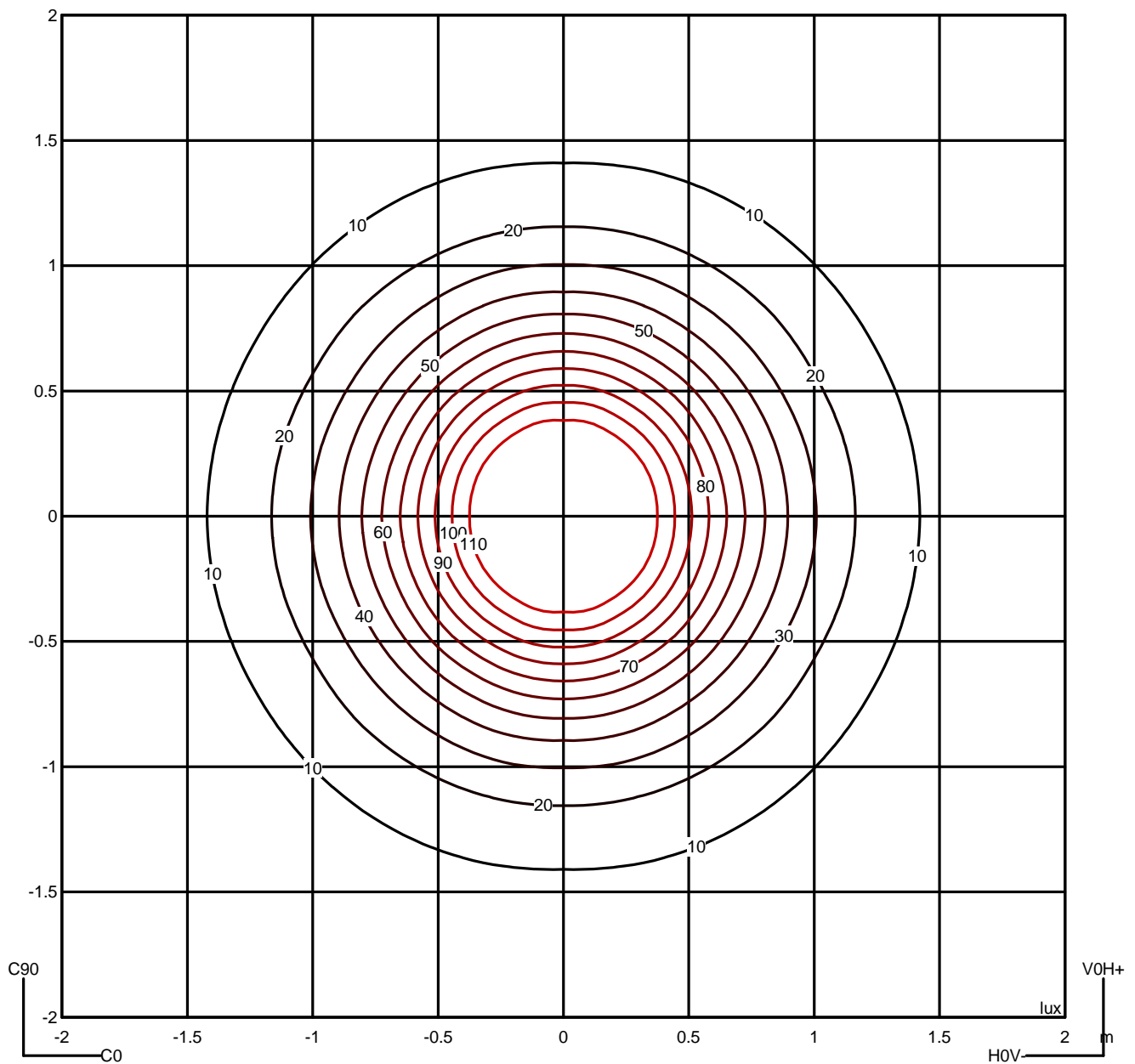


**Luminaire**  
 Code DE-0180-BLA  
 Name Colgante led 5W GU10  
**Measurum.**  
 Code DE-0181-BLA  
 Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



**Luminaire**

Code DE-0180-BLA  
Name Colgante led 5W GU10

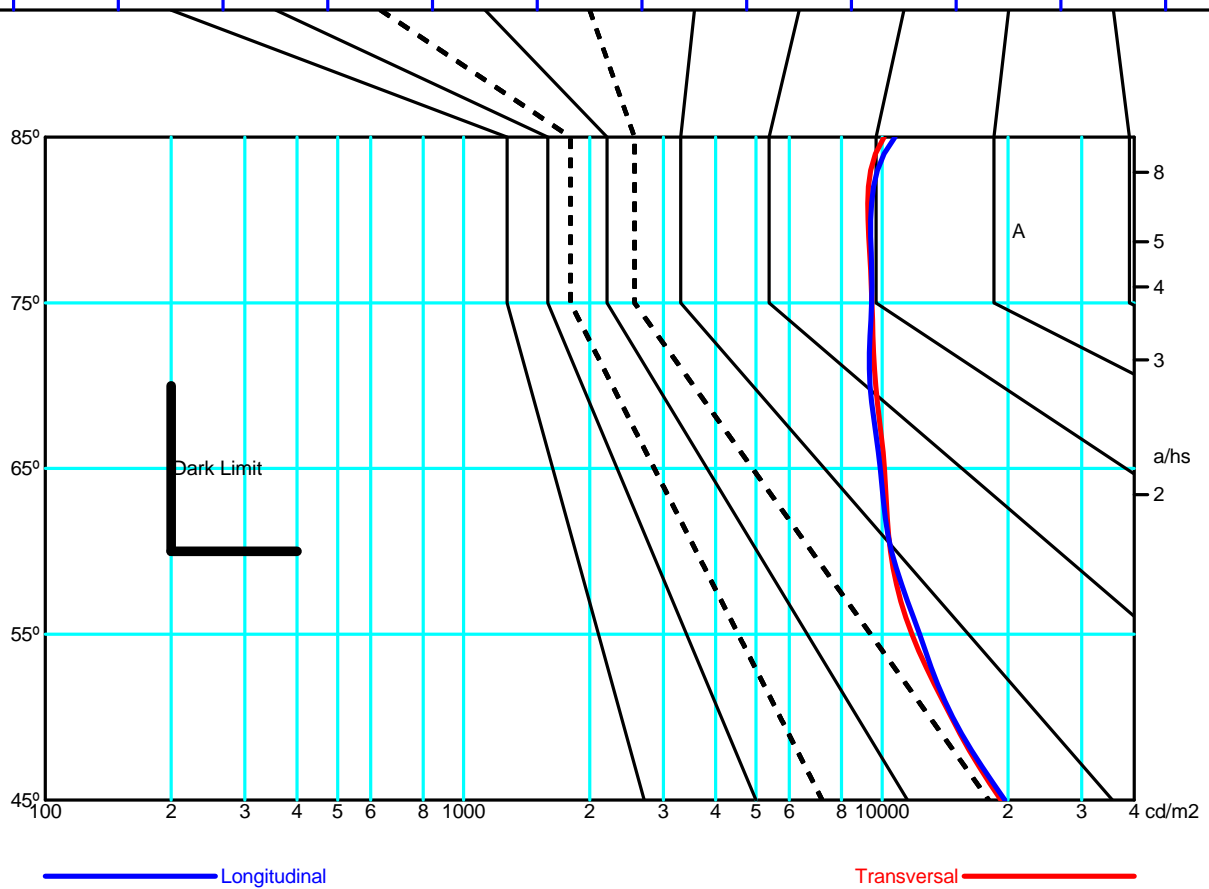
**Measur.**

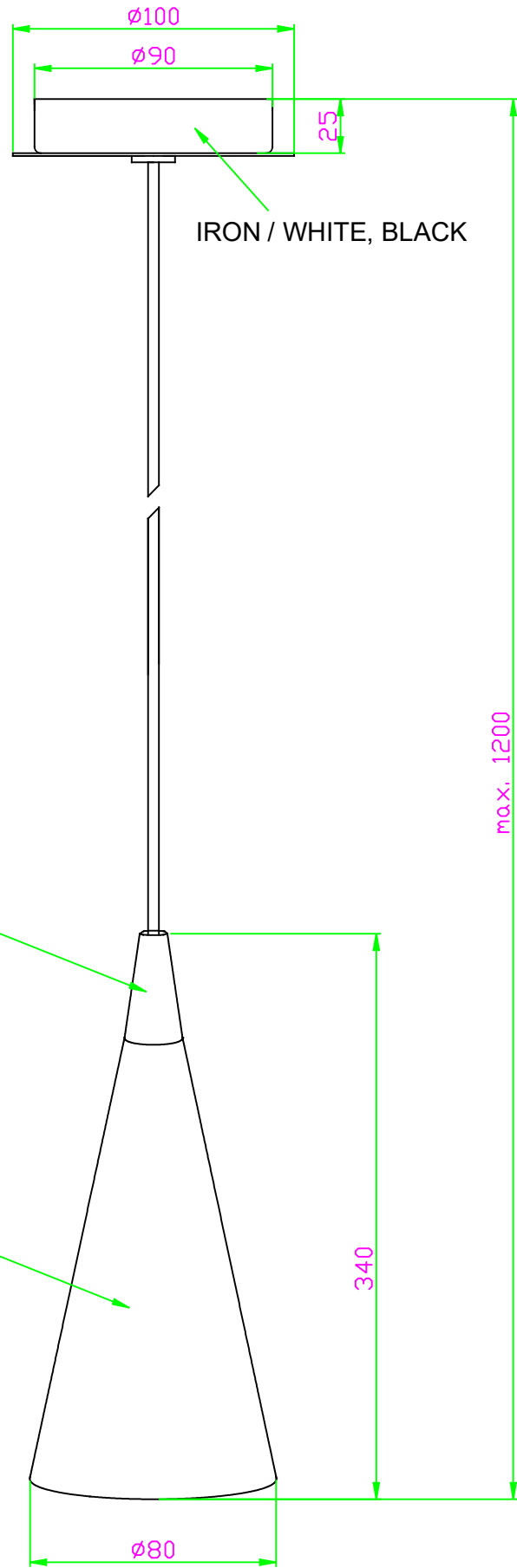
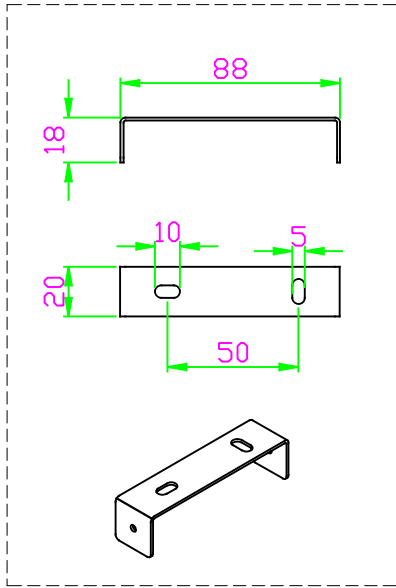
Code DE-0181-BLA  
Name Colgante led 5W GU10

Luminaire Flux	352.00 lm	Luminaire Power	5.00 W	Efficacy	70.40 lm/W	Efficiency	100.00%
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	19244	14631	11786	10474	10128	9653	9461	9252	10101	---	
90.0°	19639	14745	12290	10530	9901	9355	9437	9392	10743	---	

Flush mounted or longitudinal view												
		Illumination(Ix)										
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





IRON / CHROME

IRON / WHITE, BLACK

max. 1200

340

$\varnothing 80$

IRON / WHITE, BLACK

$\varnothing 100$

$\varnothing 90$

25

18

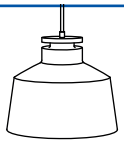
88

20

10

5

50



Vira  
DE-0180

FOR  
LIGHT

