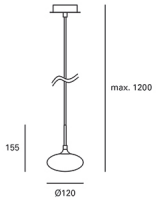
NOSTRUM

DE-0181-BLA

Pendant IP20 NOSTRUM GU10 8W White 352lm



TECHNICAL FEATURES

IP20 RF 850ºC

Luminaire total power : 8W

Real lumens : 352

Real lm/W : 50

Lens / reflector angle : MEDIUM 32º

Structure material : Steel

Structure finish : White

Max. size of light bulb : 54/50 mm

Recommended light bulb : GU10

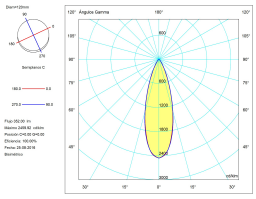
Voltage / frequency : 100-240V ~ 50/60Hz

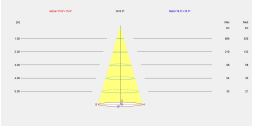
Warranty : 2 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
GU10	1	Max. power 8W	-





LOGISTICS

Net weight (kg): 0.45

Packaged weight (kg): 0.6

Packaging: 125mm x 125mm x 175mm

12 Un

LIGHT APPLICATION

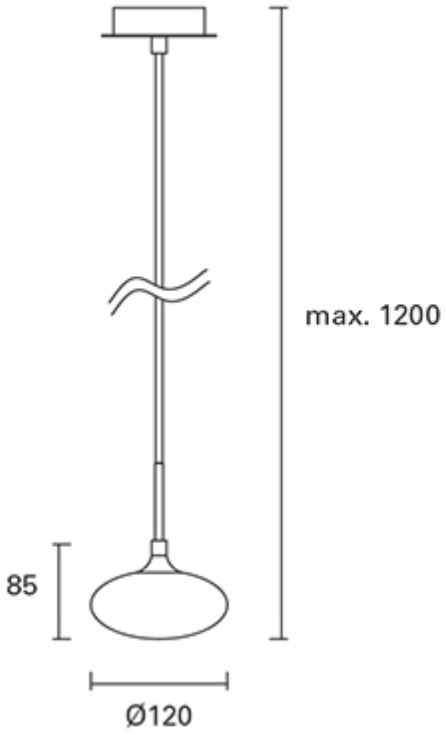


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code DE-0181-BLA
Name Colgante led 5W GU10
Measurem.
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

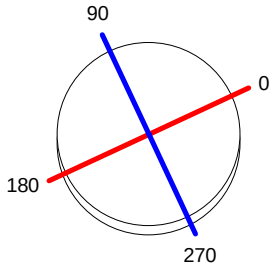
Round Luminaire	Diam. 120 mm	Height	85 mm
Round Luminous Area	Diam. 42 mm	Height	0 mm
Horizontal Luminous Area	0.001385 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000335 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			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED STAR 5W GU10	LED STAR 5W GU10	352.00	5.00	1

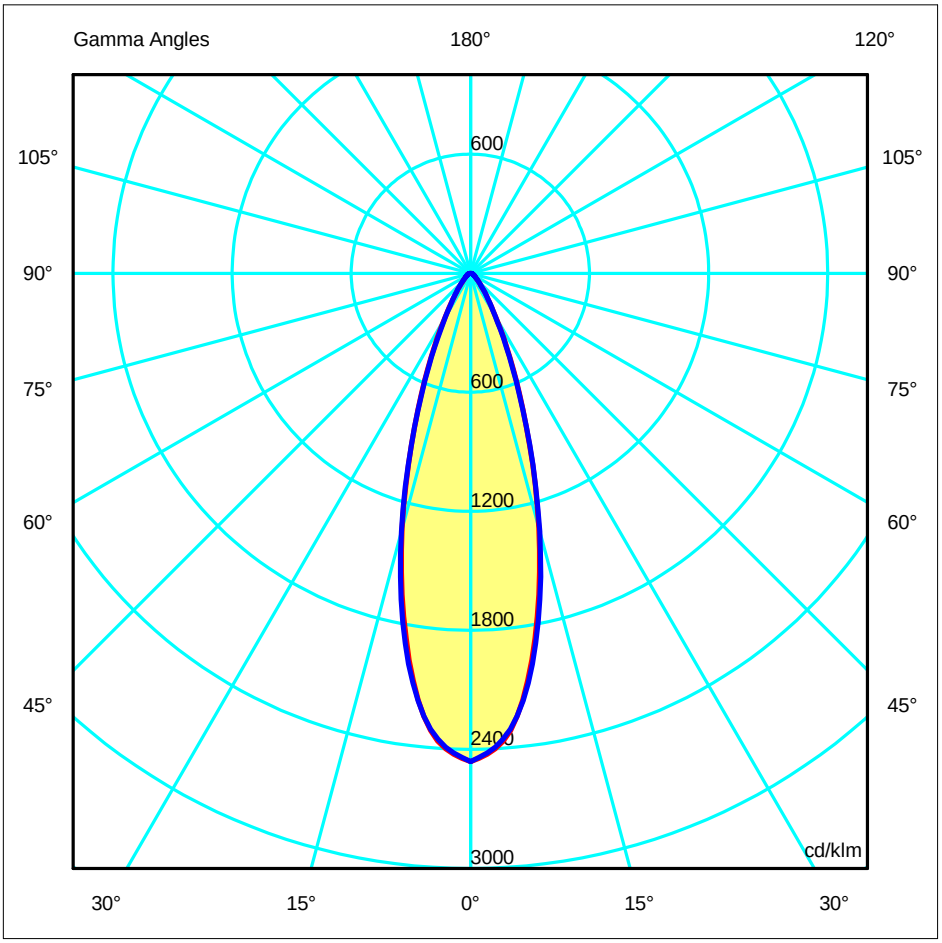
C.I.E.	91 97 99 100 100	D DIN 5040	A60
F UTE	1.00 A	B NBN	BZ 1

Diam=120mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



ULOR	0.00 %
DLOR	100.00 %
RN	0.00 %

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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

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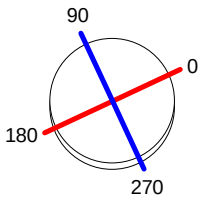
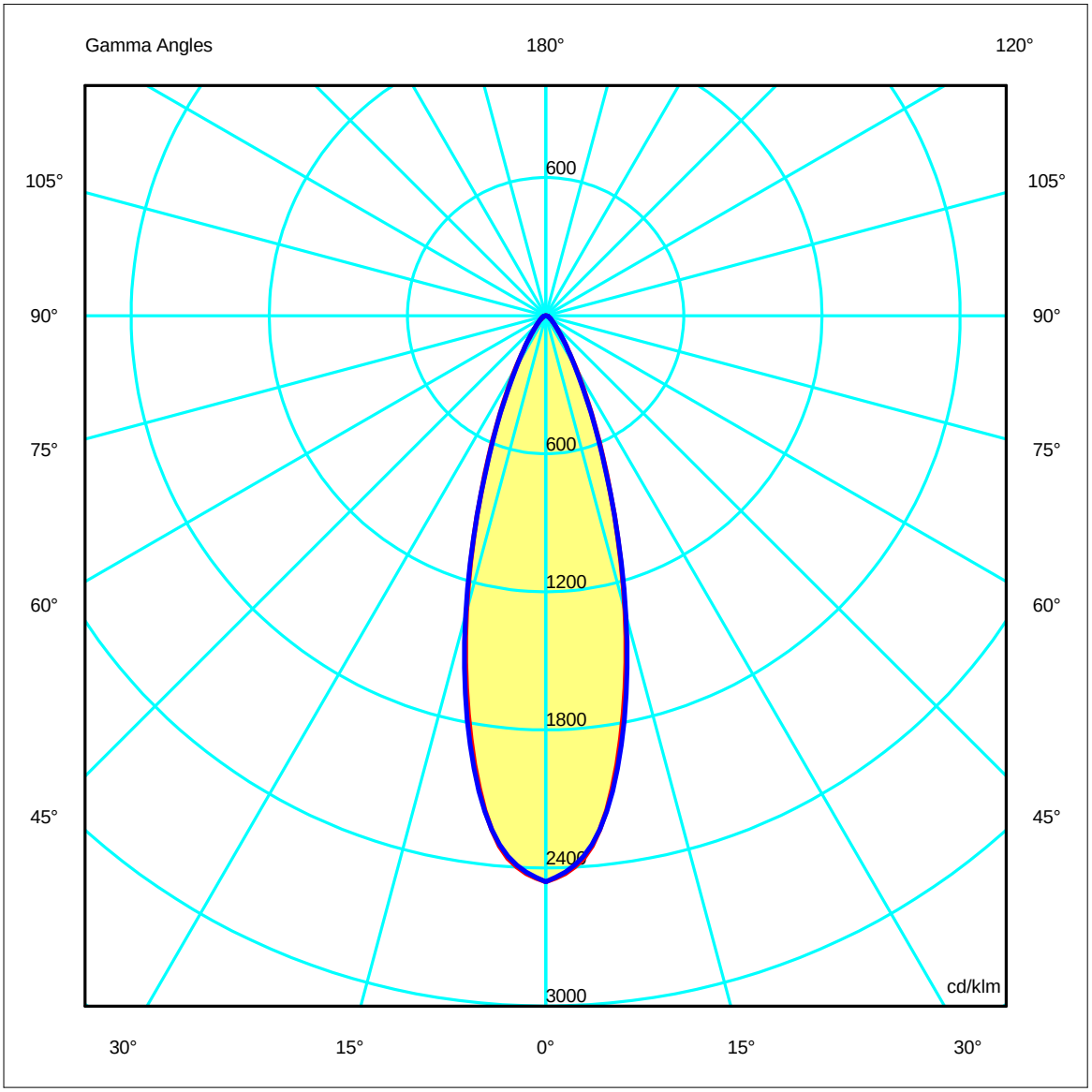
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=120mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



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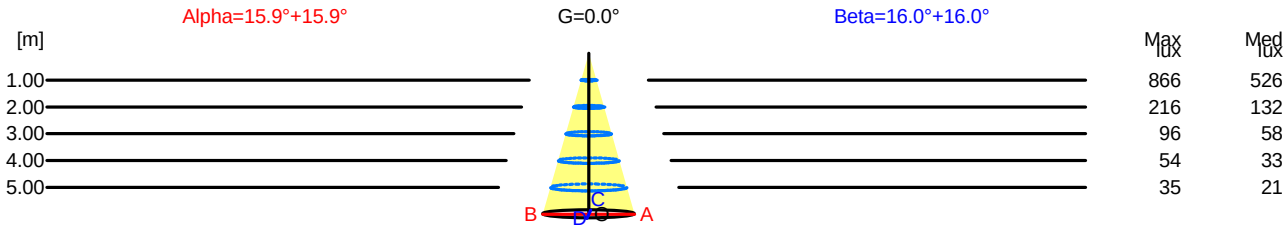
Width at 50.00 % of Max Intensity

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	

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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

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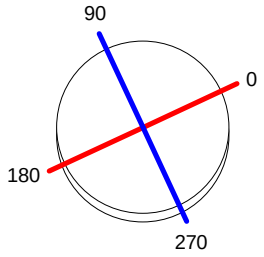
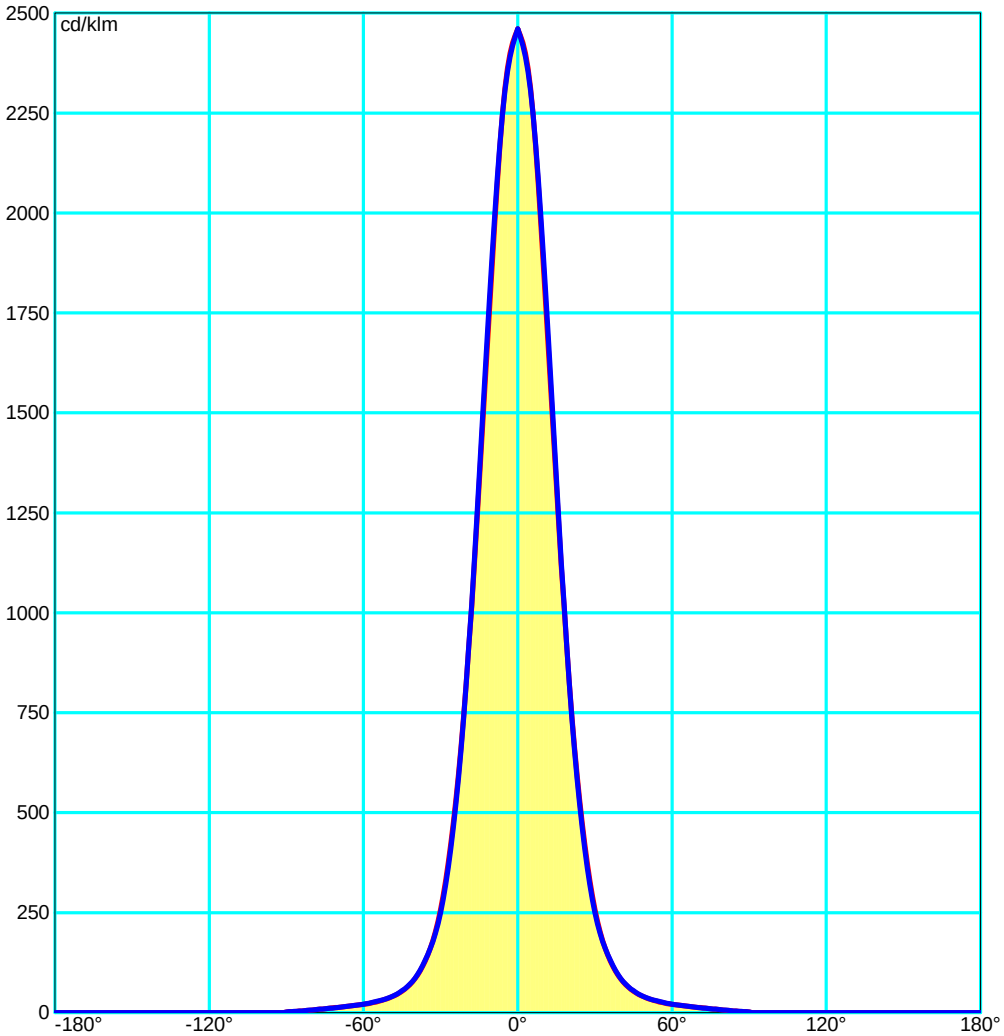
Diam=120mm



C Halfplanes

180.0 0.0
270.0 90.0



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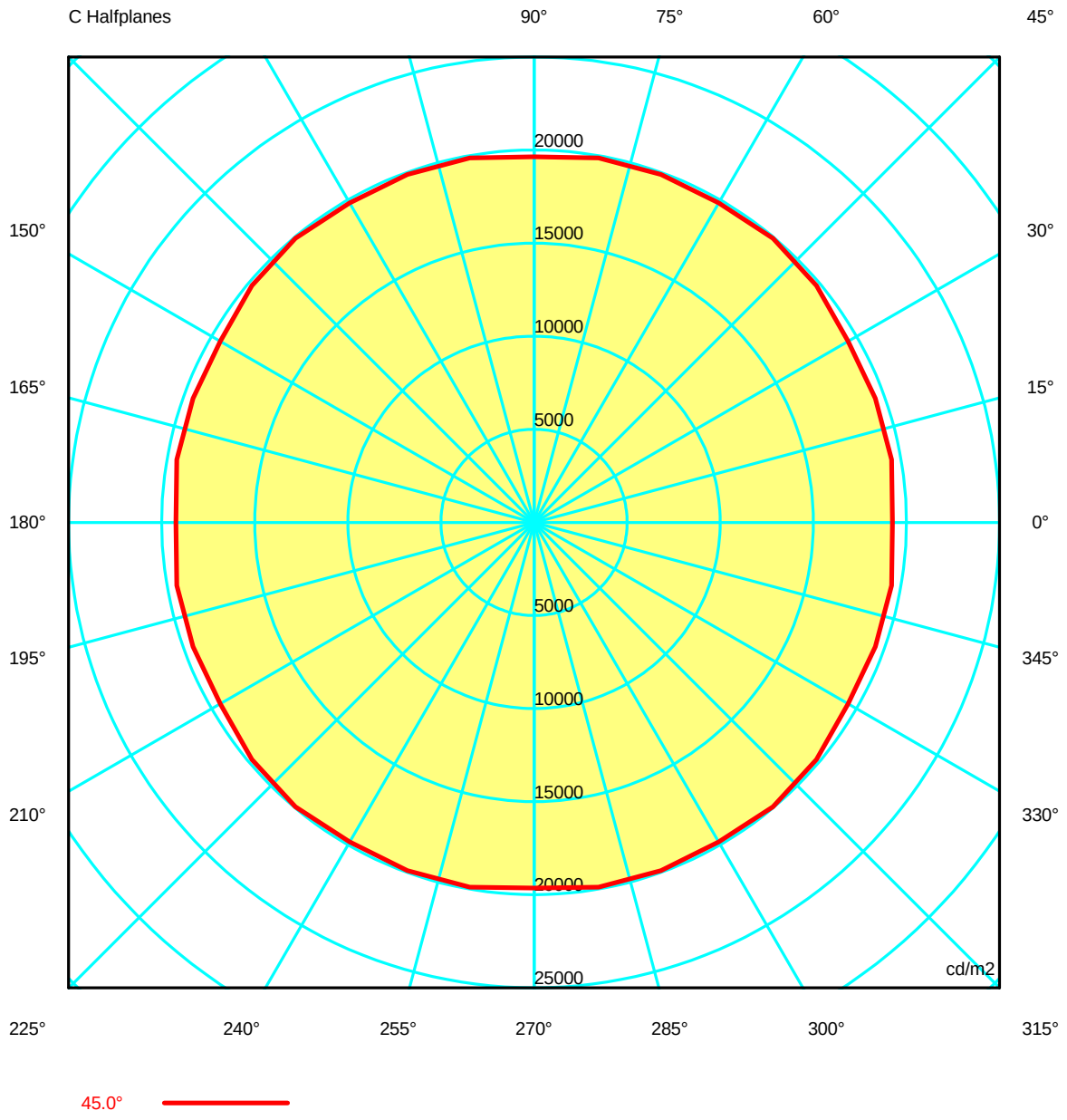
Lamps Flux	352.00 lm	Maximum value	2459.92 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



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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

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

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

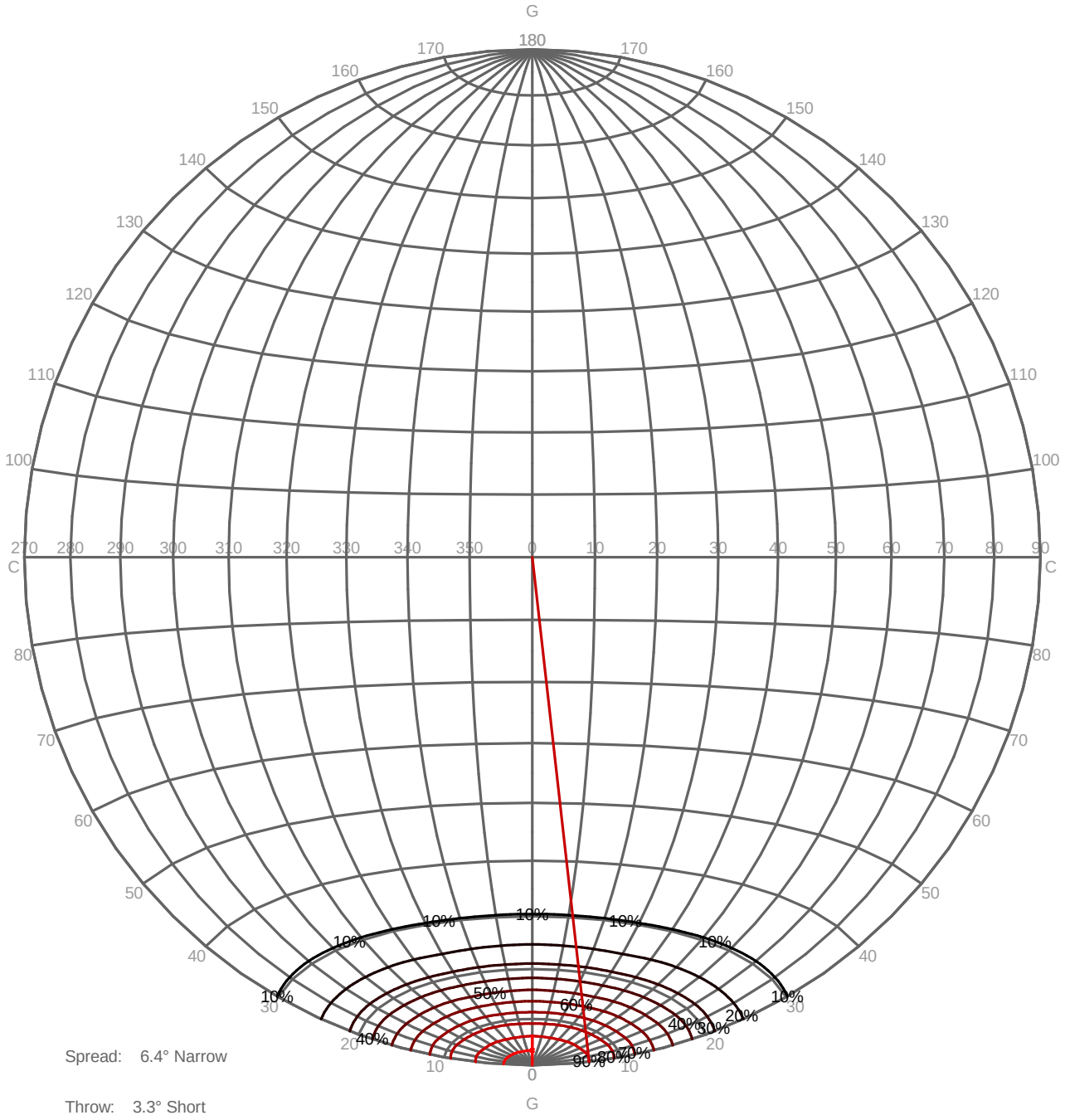
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08	624994.08
G 5.0	589232.29	588137.34	589232.29	588815.03	587817.04	588354.45	587781.45	586058.28	586138.89	587673.74
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-0181-BLA
Name Colgante led 5W GU10
Measurem.
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°



Spread: 6.4° Narrow

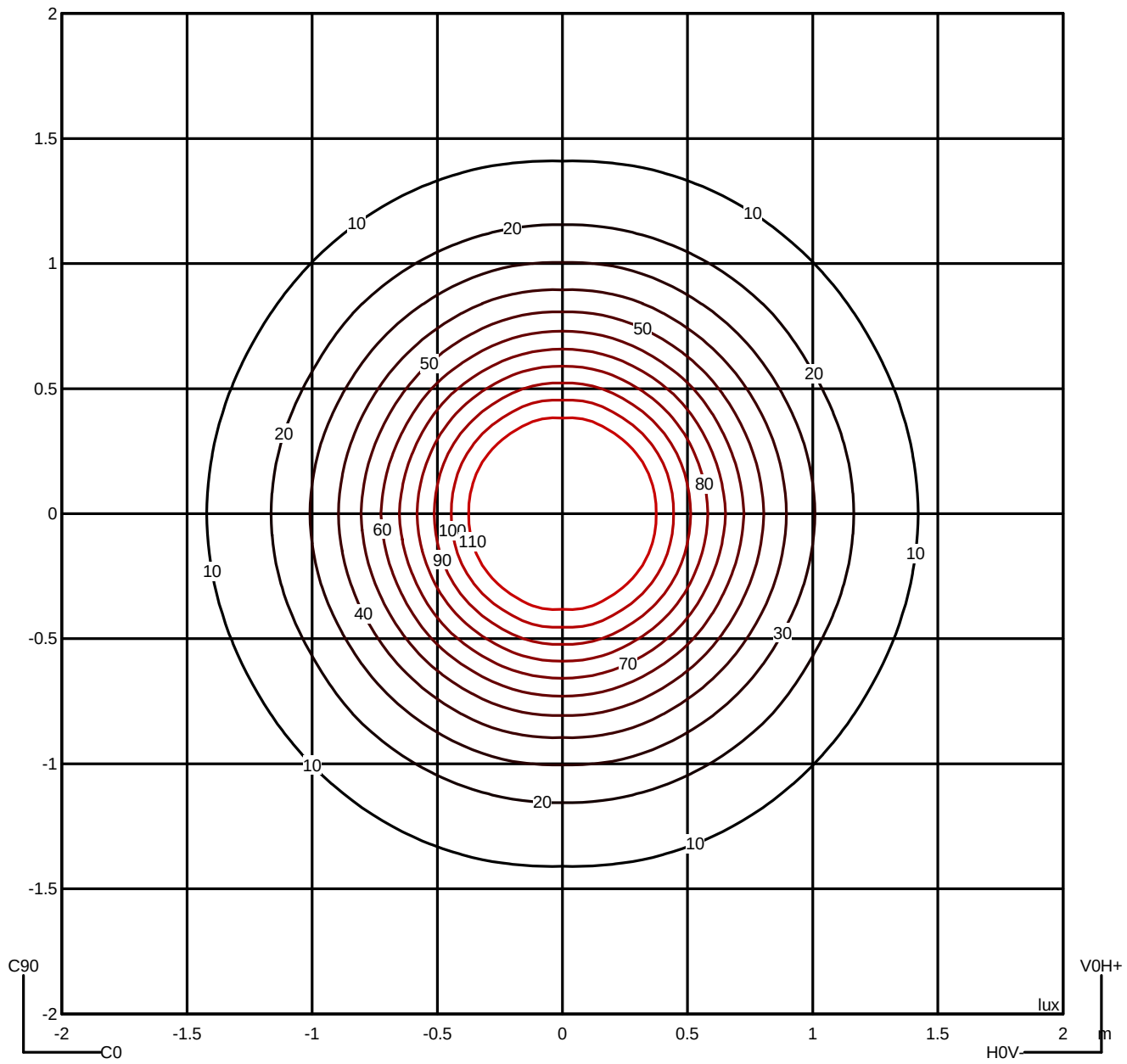
Throw: 3.3° Short

Luminaire
Code DE-0181-BLA
Name Colgante led 5W GU10
Measurem.
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

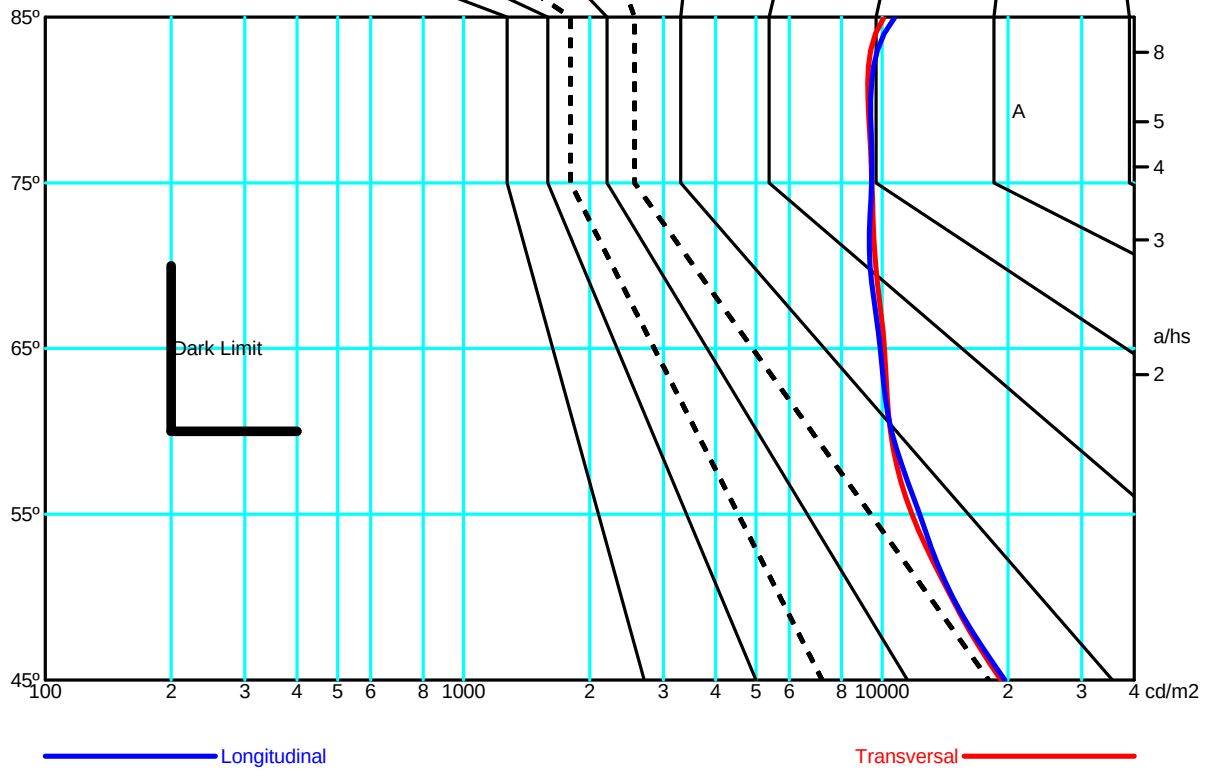


Luminaire
Code DE-0181-BLA
Name Colgante led 5W GU10
Measurem.
Code DE-0181-BLA
Name Colgante led 5W GU10

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/m²]

	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(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