Luminaire
Code 0033003U-P833
Name AMPHORA LED MARRON-BEIGE CLARO
Measurem.
Code CL092A19F001G
Name AMPHORA LED MARRON-BEIGE CLARO

Luminaire Flux	73.72 lm	Luminaire Power	7.46 W	Efficacy	9.88 lm/W	Efficiency	100.00%
Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical

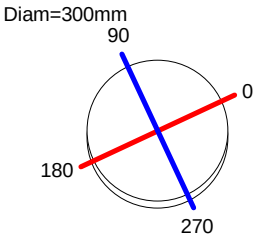
Round Luminaire	Diam. 300 mm	Height	220 mm
Round Luminous Area	Diam. 300 mm	Height	220 mm
Horizontal Luminous Area	0.070686 m2	Emitting area on Plane 180°	0.066000 m2
Emitting area on Plane 0°	0.066000 m2	Emitting area on Plane 270°	0.066000 m2
Emitting area on Plane 90°	0.066000 m2	Glare area at 76°	0.081140 m2
Coordinate system	CG	Symmetry Type	Asymmetrical
Date	06-03-2019	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	73.72 lm
Operator	Asselum T2	Rated Voltage	120.00 V
Temperature	24.80 °C	Rated Current	0.06 A
Humidity	35.90 %	Photocell	Prc
Notes	RM19022602		

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED COB D.38 8W CRI90 TRIAC	73.72	7.46	1

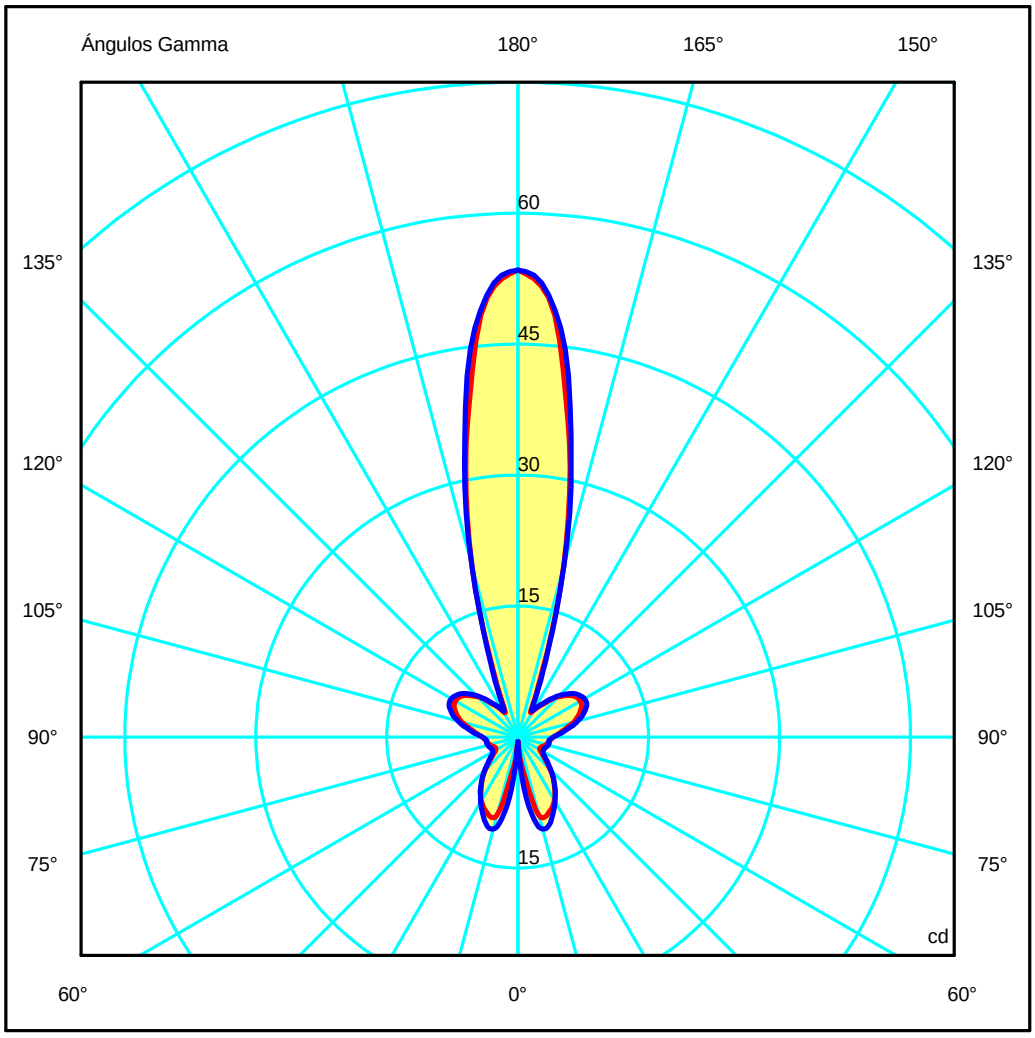
C.I.E.	42 64 81 38 100	D DIN 5040	D32
F UTE	0.38 G + 0.62 T	B NBN	BZ 5 / 1 / BZ 6





Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 61.81 %
DLOR 38.19 %
RN 61.81 %



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Luminous Intensity Table cd **Table 1/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00
G 0.0	1	1	1	1	1	1	1	1	1	1	1	1	1
G 2.5	1	1	1	1	1	2	1	2	1	1	1	1	1
G 5.0	2	2	2	2	3	3	4	3	3	2	2	2	2
G 7.5	3	3	4	4	6	6	6	6	6	4	4	3	3
G 10.0	5	4	5	6	7	8	9	8	7	6	5	4	5
G 12.5	7	6	7	7	9	9	10	9	9	7	7	6	7
G 15.0	9	8	8	9	10	10	11	10	10	9	8	8	9
G 17.5	10	9	9	9	10	10	11	10	10	9	9	9	10
G 20.0	10	9	9	9	10	10	11	10	10	9	9	9	10
G 22.5	9	8	9	9	10	9	10	9	10	9	9	8	9
G 25.0	9	8	9	8	9	9	10	9	9	8	9	8	9
G 27.5	9	8	8	8	9	8	9	8	9	8	8	8	9
G 30.0	8	7	8	7	8	8	9	8	8	7	8	7	8
G 32.5	8	7	7	7	8	7	8	7	8	7	7	7	8
G 35.0	7	7	7	7	7	7	8	7	7	7	7	7	7
G 37.5	7	6	6	6	7	6	7	6	7	6	6	6	7
G 40.0	6	6	6	6	6	6	6	6	6	6	6	6	6
G 42.5	6	5	5	5	6	5	6	5	6	5	5	5	6
G 45.0	5	5	5	5	5	5	5	5	5	5	5	5	5
G 47.5	5	4	4	4	5	5	5	5	5	4	4	4	5
G 50.0	4	4	4	4	4	4	4	4	4	4	4	4	4
G 52.5	4	3	4	3	4	4	4	4	4	3	4	3	4
G 55.0	3	3	3	3	4	3	4	3	4	3	3	3	3
G 57.5	3	3	3	3	3	3	3	3	3	3	3	3	3
G 60.0	3	3	3	3	3	3	3	3	3	3	3	3	3
G 62.5	3	2	3	3	3	3	3	3	3	3	3	2	3
G 65.0	3	3	3	3	3	3	3	3	3	3	3	3	3
G 67.5	3	3	3	3	3	3	3	3	3	3	3	3	3
G 70.0	3	3	3	3	3	3	3	3	3	3	3	3	3
G 72.5	3	3	3	3	3	3	4	3	3	3	3	3	3
G 75.0	3	3	3	3	3	3	4	3	3	3	3	3	3
G 77.5	3	3	3	3	3	3	4	3	3	3	3	3	3
G 80.0	4	3	3	3	3	3	4	3	3	3	3	3	4
G 82.5	4	3	4	3	4	3	4	3	4	3	4	3	4
G 85.0	4	3	4	3	4	3	4	3	4	3	4	3	4
G 87.5	4	3	4	4	4	4	4	4	4	4	4	3	4
G 90.0	4	4	4	4	4	4	4	4	4	4	4	4	4
G 92.5	4	4	4	4	4	4	4	4	4	4	4	4	4
G 95.0	5	4	5	4	5	4	5	4	5	4	5	4	5
G 97.5	5	5	5	5	5	5	5	5	5	5	5	5	5
G100.0	6	5	6	5	6	6	6	6	6	5	6	5	6
G102.5	6	5	6	6	6	6	7	6	6	6	6	5	6
G105.0	7	6	6	6	7	7	7	7	7	6	6	6	7
G107.5	7	6	7	7	7	7	8	7	7	7	7	6	7
G110.0	7	7	7	7	8	7	8	7	8	7	7	7	7
G112.5	8	7	8	7	8	8	8	8	8	7	8	7	8
G115.0	8	7	8	8	8	8	9	8	8	8	8	7	8
G117.5	8	8	8	8	8	8	9	8	8	8	8	8	8
G120.0	8	8	8	8	8	8	9	8	8	8	8	8	8
G122.5	8	8	8	8	8	8	9	8	8	8	8	8	8
G125.0	8	7	8	8	8	8	8	8	8	8	8	7	8
G127.5	8	7	8	8	8	8	8	8	8	8	8	7	8
G130.0	7	7	7	7	8	7	8	7	8	7	7	7	7
G132.5	7	6	7	7	7	7	7	7	7	7	7	6	7
G135.0	7	6	7	6	7	6	7	6	7	6	7	6	7
G137.5	6	5	6	6	6	6	6	6	6	6	6	5	6
G140.0	5	5	5	5	6	5	6	5	6	5	5	5	5
G142.5	5	4	5	5	5	5	5	5	5	5	5	4	5
G145.0	4	4	4	4	4	4	5	4	4	4	4	4	4
G147.5	4	3	4	4	4	4	4	4	4	4	4	3	4
G150.0	3	3	3	3	4	3	4	3	4	3	3	3	3
G152.5	3	3	3	3	3	3	3	3	3	3	3	3	3
G155.0	4	3	4	3	4	3	4	3	4	3	4	3	4
G157.5	6	3	6	4	6	4	6	4	6	4	6	3	6
G160.0	9	7	9	7	10	7	9	7	10	7	9	7	9
G162.5	14	11	13	12	14	12	14	12	14	12	13	11	14
G165.0	20	17	19	18	20	18	20	18	20	18	19	17	20
G167.5	27	25	27	26	27	25	28	25	27	26	27	25	27
G170.0	34	31	35	32	35	33	35	33	35	32	35	31	34
G172.5	41	40	42	40	42	41	43	41	42	40	42	40	41
G175.0	49	46	48	47	48	47	49	47	48	47	48	46	49
G177.5	52	51	52	52	52	52	53	52	52	52	52	51	52
G180.0	53	53	53	53	53	53	53	53	53	53	53	53	53

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Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical				

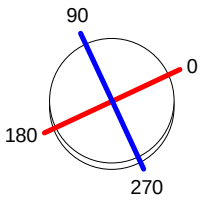
Luminous Intensity Table cd **Table 2/2**

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	1	1	1	1	1	1	1	1	1	1	1
G 2.5	1	1	1	1	2	1	2	1	1	1	1
G 5.0	2	2	2	3	3	4	3	3	2	2	2
G 7.5	3	4	4	6	6	6	6	6	4	4	3
G 10.0	4	5	6	7	8	9	8	7	6	5	4
G 12.5	6	7	7	9	9	10	9	9	7	7	6
G 15.0	8	8	9	10	10	11	10	10	9	8	8
G 17.5	9	9	9	10	10	11	10	10	9	9	9
G 20.0	9	9	9	10	10	11	10	10	9	9	9
G 22.5	8	9	9	10	9	10	9	10	9	9	8
G 25.0	8	9	8	9	9	10	9	9	8	9	8
G 27.5	8	8	8	9	8	9	8	9	8	8	8
G 30.0	7	8	7	8	8	9	8	8	7	8	7
G 32.5	7	7	7	8	7	8	7	8	7	7	7
G 35.0	7	7	7	7	7	8	7	7	7	7	7
G 37.5	6	6	6	7	6	7	6	7	6	6	6
G 40.0	6	6	6	6	6	6	6	6	6	6	6
G 42.5	5	5	5	6	5	6	5	6	5	5	5
G 45.0	5	5	5	5	5	5	5	5	5	5	5
G 47.5	4	4	4	5	5	5	5	5	4	4	4
G 50.0	4	4	4	4	4	4	4	4	4	4	4
G 52.5	3	4	3	4	4	4	4	4	3	4	3
G 55.0	3	3	3	4	3	4	3	4	3	3	3
G 57.5	3	3	3	3	3	3	3	3	3	3	3
G 60.0	3	3	3	3	3	3	3	3	3	3	3
G 62.5	2	3	3	3	3	3	3	3	3	3	2
G 65.0	3	3	3	3	3	3	3	3	3	3	3
G 67.5	3	3	3	3	3	3	3	3	3	3	3
G 70.0	3	3	3	3	3	3	3	3	3	3	3
G 72.5	3	3	3	3	3	4	3	3	3	3	3
G 75.0	3	3	3	3	3	4	3	3	3	3	3
G 77.5	3	3	3	3	3	4	3	3	3	3	3
G 80.0	3	3	3	3	3	4	3	3	3	3	3
G 82.5	3	4	3	4	3	4	3	4	3	4	3
G 85.0	3	4	3	4	3	4	3	4	3	4	3
G 87.5	3	4	4	4	4	4	4	4	4	4	3
G 90.0	4	4	4	4	4	4	4	4	4	4	4
G 92.5	4	4	4	4	4	4	4	4	4	4	4
G 95.0	4	5	4	5	4	5	4	5	4	5	4
G 97.5	5	5	5	5	5	5	5	5	5	5	5
G100.0	5	6	5	6	6	6	6	6	5	6	5
G102.5	5	6	6	6	6	7	6	6	6	6	5
G105.0	6	6	6	7	7	7	7	7	6	6	6
G107.5	6	7	7	7	7	8	7	7	7	7	6
G110.0	7	7	7	8	7	8	7	8	7	7	7
G112.5	7	8	7	8	8	8	8	8	7	8	7
G115.0	7	8	8	8	8	9	8	8	8	8	7
G117.5	8	8	8	8	8	9	8	8	8	8	8
G120.0	8	8	8	8	8	9	8	8	8	8	8
G122.5	8	8	8	8	8	9	8	8	8	8	8
G125.0	7	8	8	8	8	8	8	8	8	8	7
G127.5	7	8	8	8	8	8	8	8	8	8	7
G130.0	7	7	7	8	7	8	7	8	7	7	7
G132.5	6	7	7	7	7	7	7	7	7	7	6
G135.0	6	7	6	7	6	7	6	7	6	7	6
G137.5	5	6	6	6	6	6	6	6	6	6	5
G140.0	5	5	5	6	5	6	5	6	5	5	5
G142.5	4	5	5	5	5	5	5	5	5	5	4
G145.0	4	4	4	4	4	5	4	4	4	4	4
G147.5	3	4	4	4	4	4	4	4	4	4	3
G150.0	3	3	3	4	3	4	3	4	3	3	3
G152.5	3	3	3	3	3	3	3	3	3	3	3
G155.0	3	4	3	4	3	4	3	4	3	4	3
G157.5	3	6	4	6	4	6	4	6	4	6	3
G160.0	7	9	7	10	7	9	7	10	7	9	7
G162.5	11	13	12	14	12	14	12	14	12	13	11
G165.0	17	19	18	20	18	20	18	20	18	19	17
G167.5	25	27	26	27	25	28	25	27	26	27	25
G170.0	31	35	32	35	33	35	33	35	32	35	31
G172.5	40	42	40	42	41	43	41	42	40	42	40
G175.0	46	48	47	48	47	49	47	48	47	48	46
G177.5	51	52	52	52	52	53	52	52	52	52	51
G180.0	53	53	53	53	53	53	53	53	53	53	53

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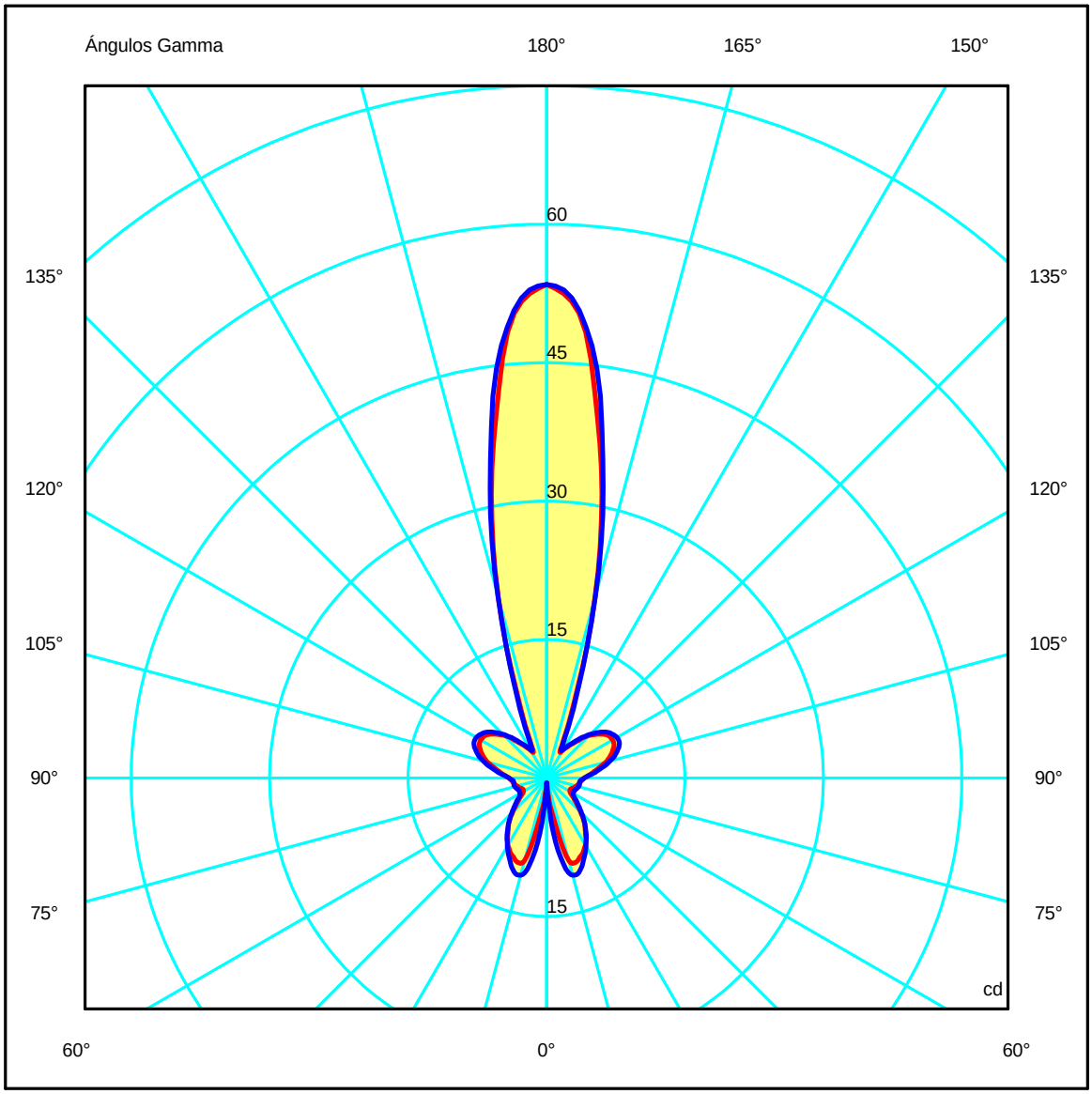
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Diam=300mm



Semiplanos C

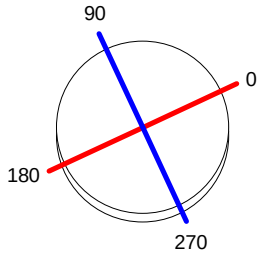




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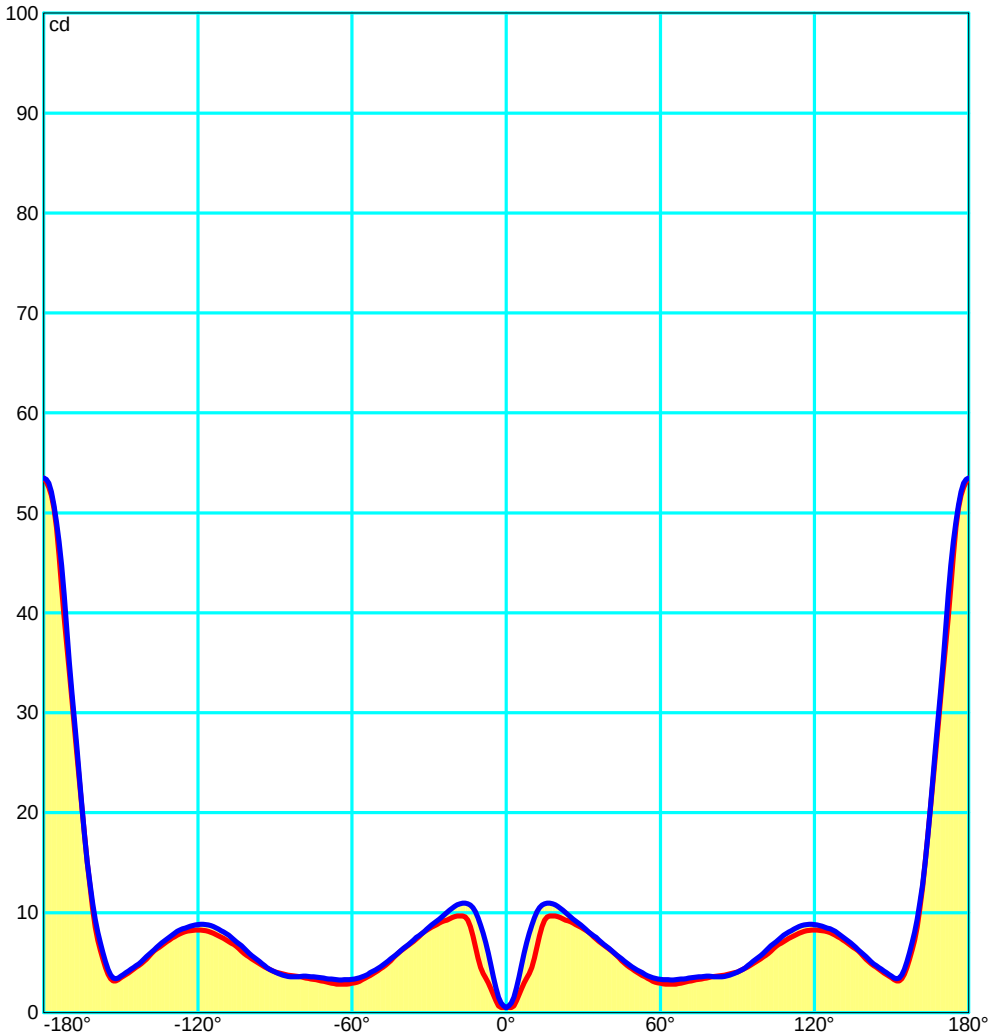
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Diam=300mm



Semiplanos C

180.0 0.0
270.0 90.0



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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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	0.1	< 0	< 0	< 0	< 0	0.9
x=2H y=4H	< 0	< 0	< 0	0.2	1.5	< 0	< 0	0.3	0.9	2.3
x=2H y=6H	0.1	0.7	1.2	1.8	3.2	0.7	1.3	1.7	2.3	3.7
x=2H y=8H	1.0	1.6	2.0	2.6	4.0	1.4	2.0	2.5	3.0	4.4
x=2H y=12H	1.9	2.4	2.9	3.5	4.9	2.1	2.7	3.2	3.7	5.1
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	1.1	< 0	< 0	< 0	0.3	1.7
x=4H y=4H	< 0	0.2	0.7	1.2	2.6	0.3	0.8	1.3	1.8	3.2
x=4H y=6H	1.4	1.9	2.5	2.9	4.4	1.9	2.3	3.0	3.4	4.8
x=4H y=8H	2.3	2.7	3.4	3.8	5.3	2.7	3.1	3.8	4.2	5.6
x=4H y=12H	3.3	3.6	4.4	4.7	6.2	3.5	3.9	4.6	5.0	6.4
x=8H y=4H	0.4	0.8	1.5	1.8	3.3	0.8	1.2	1.9	2.3	3.8
x=8H y=6H	2.3	2.7	3.4	3.8	5.2	2.7	3.0	3.8	4.1	5.6
x=8H y=8H	3.4	3.7	4.5	4.8	6.3	3.6	3.9	4.8	5.0	6.5
x=8H y=12H	4.4	4.7	5.6	5.8	7.3	4.6	4.9	5.7	6.0	7.5
x=12H y=4H	0.5	0.9	1.6	2.0	3.4	1.0	1.3	2.0	2.4	3.9
x=12H y=6H	2.6	2.9	3.7	4.0	5.5	2.9	3.2	4.0	4.3	5.8
x=12H y=8H	3.7	4.0	4.8	5.1	6.6	3.9	4.2	5.1	5.3	6.8

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Flujo Total= 73.72 Flujo Luminaria= 73.72

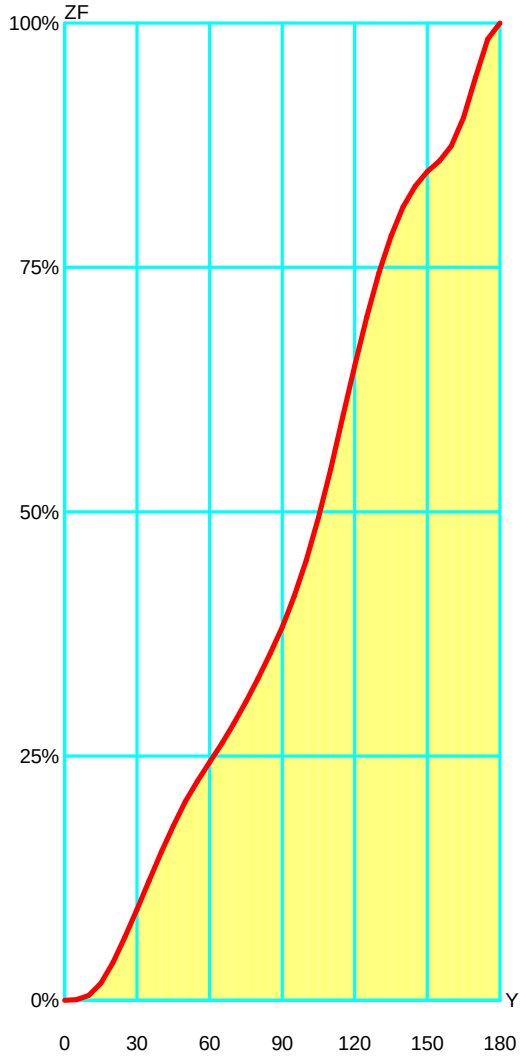
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.34	0.40	0.45	0.50	0.57	0.62	0.66	0.71	0.75	0.84	0.90
RC	6	6	6	7	7	7	7	7	7	8	8	8

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	5	39	93	152	203	244	283	329	382	450	543	649	745	812	848	874	945	1000

Códigos de Flujo C.I.E.
42 64 81 38 100

C.I.E.	6/6/6/7/7/7/7/7/7/8/8/8	LOR	100.00000 %
D DIN 5040	D32	ULOR	61.80630 %
F UTE	0.38 G + 0.62 T	DLOR	38.19370 %
B NBN	BZ 5 / 1 / BZ 6	UFF	61.80630 %
RN	61.80630 %	DFF	38.19370 %
BLF	1.0	FFR	161.82326 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.51	0.51	0.05 %	0.05 %
10°	4.39	4.89	0.44 %	0.49 %
15°	12.52	17.42	1.25 %	1.74 %
20°	21.13	38.55	2.11 %	3.85 %
25°	26.03	64.57	2.60 %	6.46 %
30°	28.47	93.05	2.85 %	9.30 %
35°	29.48	122.52	2.95 %	12.25 %
40°	29.10	151.62	2.91 %	15.16 %
45°	27.26	178.88	2.73 %	17.89 %
50°	24.41	203.29	2.44 %	20.33 %
55°	21.20	224.48	2.12 %	22.45 %
60°	19.12	243.61	1.91 %	24.36 %
65°	18.93	262.54	1.89 %	26.25 %
70°	20.29	282.83	2.03 %	28.28 %
75°	22.37	305.21	2.24 %	30.52 %
80°	24.13	329.34	2.41 %	32.93 %
85°	25.31	354.65	2.53 %	35.47 %
90°	27.28	381.94	2.73 %	38.19 %
95°	31.27	413.21	3.13 %	41.32 %
100°	37.07	450.28	3.71 %	45.03 %
105°	43.52	493.80	4.35 %	49.38 %
110°	49.17	542.97	4.92 %	54.30 %
115°	52.72	595.69	5.27 %	59.57 %
120°	53.20	648.89	5.32 %	64.89 %
125°	50.55	699.44	5.06 %	69.94 %
130°	45.15	744.60	4.52 %	74.46 %
135°	37.70	782.30	3.77 %	78.23 %
140°	29.28	811.58	2.93 %	81.16 %
145°	21.35	832.93	2.14 %	83.29 %
150°	14.96	847.89	1.50 %	84.79 %
155°	11.10	858.99	1.11 %	85.90 %
160°	15.11	874.10	1.51 %	87.41 %
165°	28.94	903.04	2.89 %	90.30 %
170°	41.49	944.53	4.15 %	94.45 %
175°	39.12	983.65	3.91 %	98.36 %
180°	16.35	1000.00	1.64 %	100.00 %

Luminaire
Code 0033003U-P833
Name AMPHORA LED MARRON-BEIGE CLARO
Measurem.
Code CL092A19F001G
Name AMPHORA LED MARRON-BEIGE CLARO

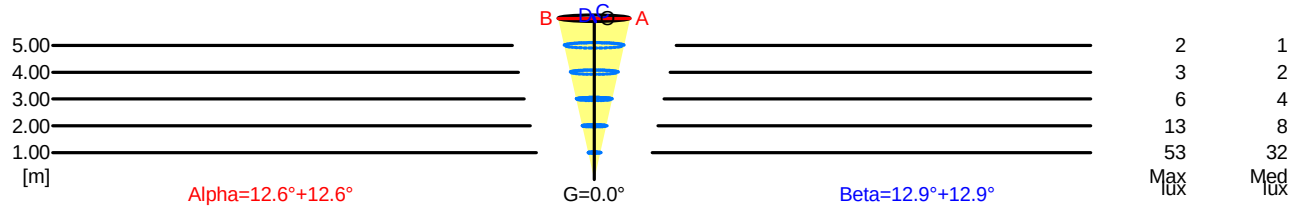
Luminaire Flux	73.72 lm	Luminaire Power	7.46 W	Efficacy	9.88 lm/W	Efficiency	100.00%
Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical

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	0.22	0.45	0.67	0.90	1.12	OC	0.23	0.46	0.69	0.91	1.14
OB	0.22	0.45	0.67	0.90	1.12	OD	0.23	0.46	0.69	0.91	1.14

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	53.49	48.50	20.31	3.82	4.34	6.54	8.10	8.03	6.62	4.73
OB	53.49	48.50	20.31	3.82	4.34	6.54	8.10	8.03	6.62	4.73
OC	53.49	49.06	20.39	4.32	4.52	6.76	8.46	8.70	7.07	4.91
OD	53.49	49.06	20.39	4.32	4.52	6.76	8.46	8.70	7.07	4.91



5.00	2.24	2	1		
4.00	1.79	3	2		
3.00	1.34	6	4		
2.00	0.90	13	8		
1.00	0.45	53	32		
H[m]	D[m]	Max lux	Med lux	Alpha=12.6°+12.6°	G=0.0

5.00	2.29	2	1		
4.00	1.83	3	2		
3.00	1.37	6	4		
2.00	0.91	13	8		
1.00	0.46	53	32		
H[m]	D[m]	Max lux	Med lux	Beta=12.9°+12.9°	G=0.0

Luminaire
Code 0033003U-P833
Name AMPHORA LED MARRON-BEIGE CLARO
Measurem.
Code CL092A19F001G
Name AMPHORA LED MARRON-BEIGE CLARO

Luminaire Flux	73.72 lm	Luminaire Power	7.46 W	Efficacy	9.88 lm/W	Efficiency	100.00%
Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical

Isolux (Floor)

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

