

Luminaire

Code 0033003-P833
Name AMPHORA LED MARRON-BEIGE CLARO

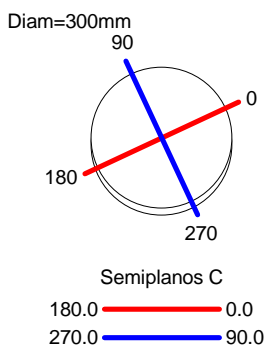
Measurerm.

Code CL092A19F001G
Name AMPHORA LED MARRON-BEIGE CLARO

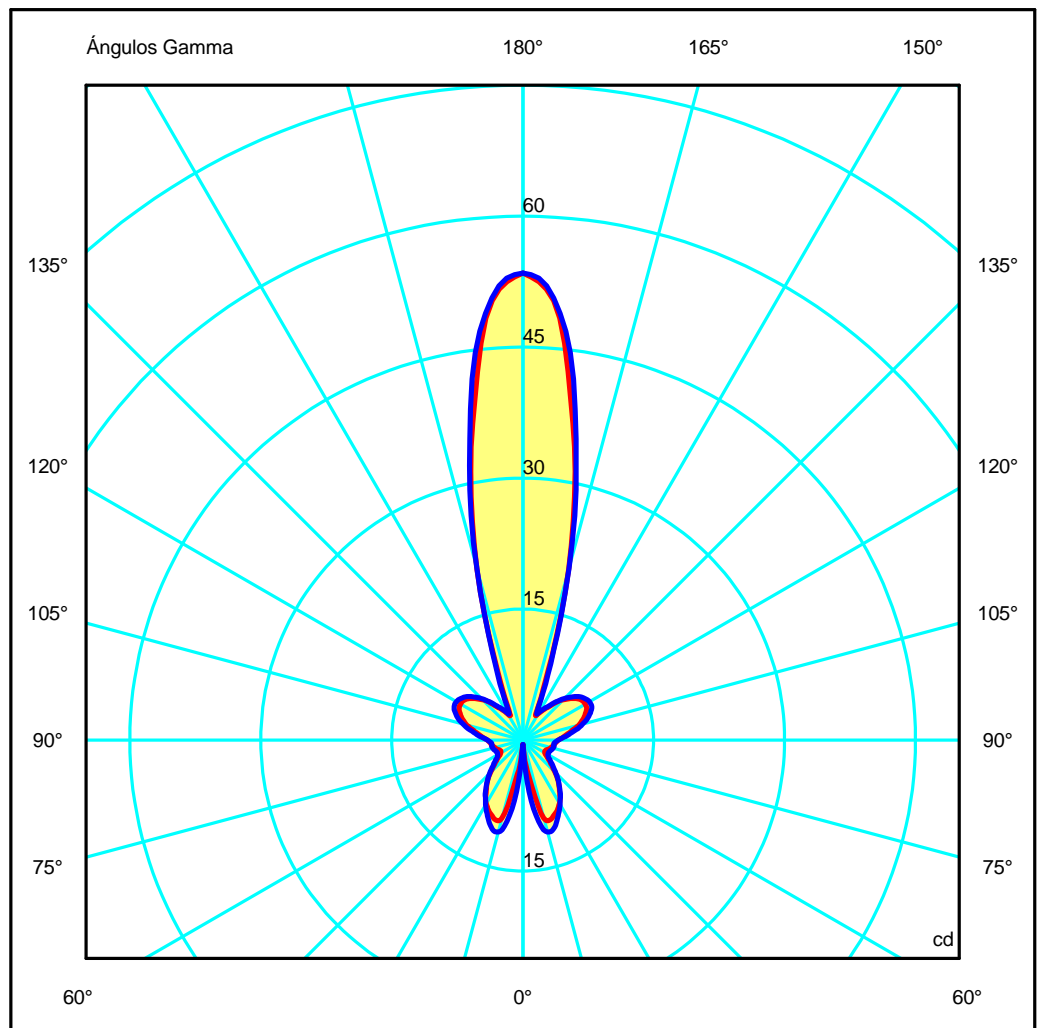
Luminaire Flux	73.72 lm	Luminaire Power	7.46 W	Efficacy	9.88 lm/W	Efficiency	100.00%
Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	300 mm 300 mm	Height Height	220 mm 220 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.070686 m2 0.066000 m2 0.066000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.066000 m2 0.066000 m2 0.081140 m2	
Coordinate system Date Measurement Distance		CG 06-03-2019 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Asymmetrical 180 73.72 lm	
Operator Temperature Humidity Notes		Asselum T2 24.80 °C 35.90 % RM19022602		Rated Voltage Rated Current Photocell		230.28 V 0.03 A Prc	

Luminaire Lamps

Line	Code LED	Name LED COB D.38 8W CRI90 TRIAC	Flux [lm] 73.72	Pow. [W] 7.46	Q.ty 1
C.I.E. F UTE	42 64 81 38 100 0.38 G + 0.62 T	D DIN 5040 B NBN	D32 BZ 5 / 1 / BZ 6		



ULOR 61.81 %
DLOR 38.19 %
RN 61.81 %



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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 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	6	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	1	2	1	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

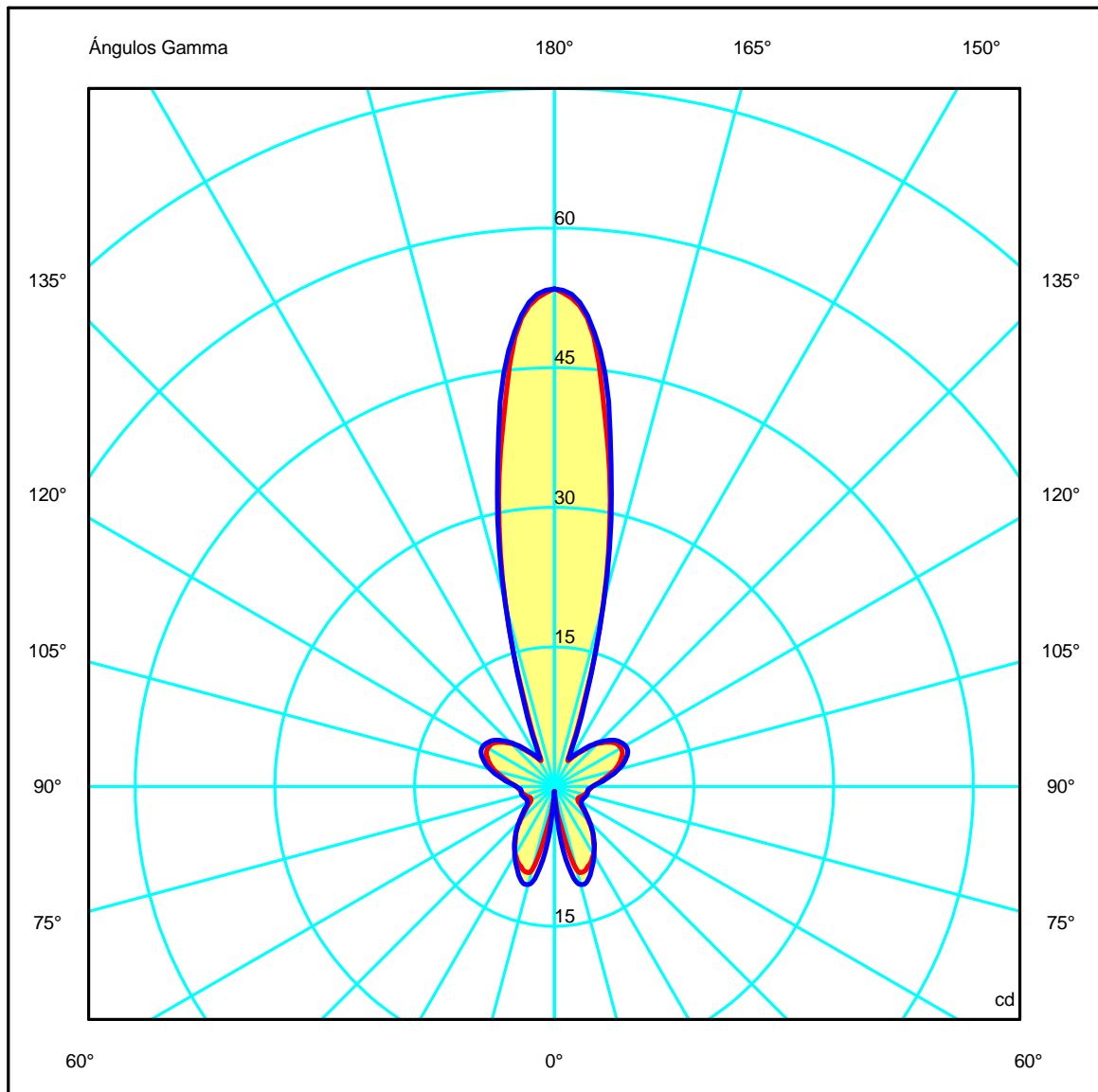
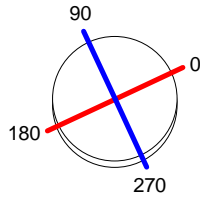
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Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical

Diam=300mm

Semiplanos C

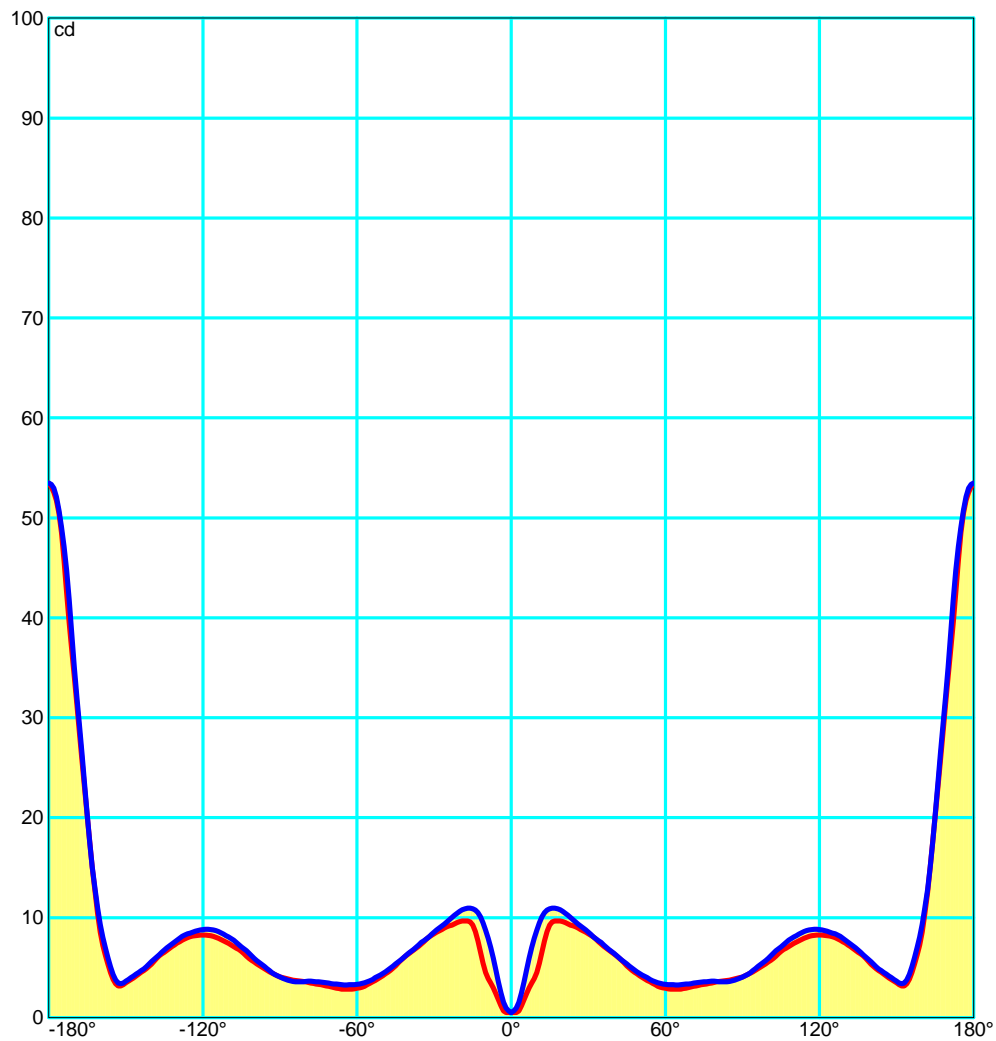
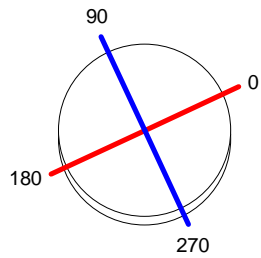
180.0 ——— 0.0
270.0 ——— 90.0



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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

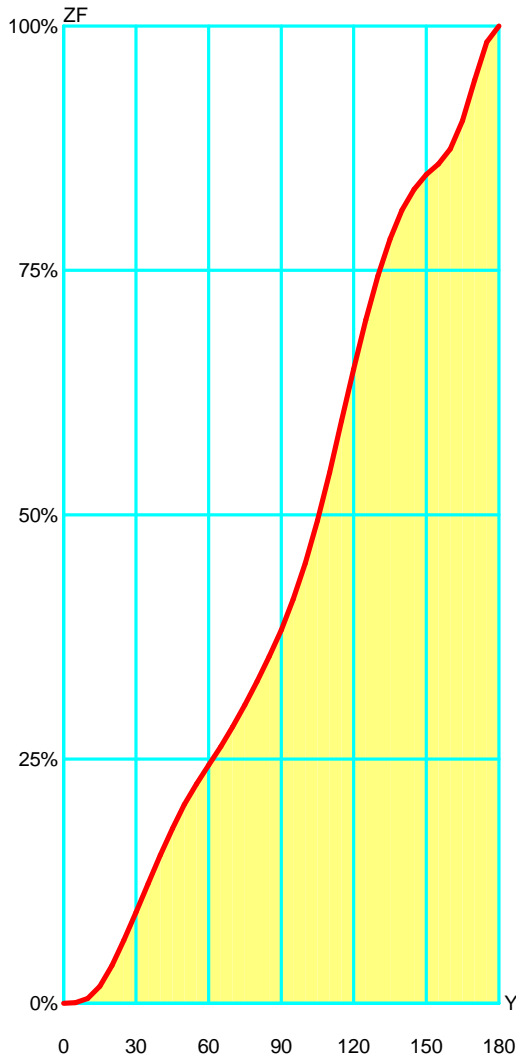
Flujo Zonal por 1000 Lúmenes

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.	6/6/6/7/7/7/7/7/8/8/8	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 %



Gamma °	Flujo Zonal			
	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 0033003-P833
Name AMPHORA LED MARRON-BEIGE CLARO

Measurement

Code CL092A19F001G
Name AMPHORA LED MARRON-BEIGE CLARO

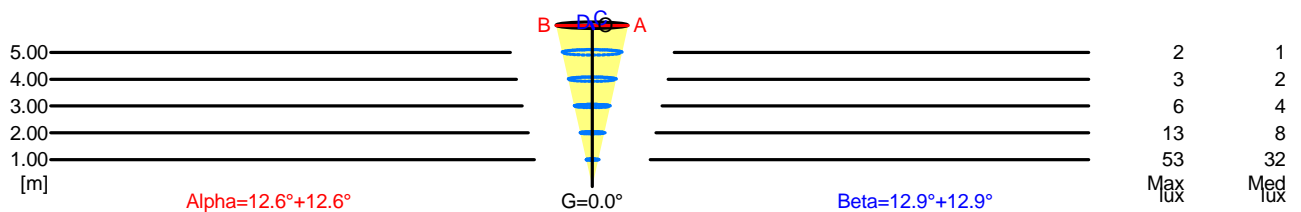
Luminaire Flux	73.72 lm	Luminaire Power	7.46 W	Efficacy	9.88 lm/W	Efficiency	100.00%
Lamps Flux	73.72 lm	Maximum value	53.49 cd	Position	C=0.00 G=180.00	CG	Asymmetrical

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	

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	

Luminaire
Code 0033003-P833
Name AMPHORA LED MARRON-BEIGE CLARO
Measur.
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

