

Luminaria

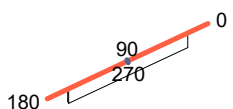
Código A704-021-15-30K
Nombre AMBROSIA A 210 MATT GOLD 30K
Ensayo
Código CL041A22F003GE2
Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Rectangular		Longit.	34 mm	Anchura	2100 mm	Altura	34 mm
Área Luminosa Rectangular		Longit.	34 mm	Anchura	2000 mm	Altura	34 mm
Área Luminosa Horizontal		0.068000 m2		Área Emisión sobre Pl. 180°		0.001156 m2	
Área Emisión sobre Pl. 0°		0.001156 m2		Área Emisión sobre Pl. 270°		0.068000 m2	
Área Emisión sobre Pl. 90°		0.068000 m2		Área de deslumbramiento a 76°		0.017572 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		08-09-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		3165.52 lm	
Operador		Asselum T2		Tensión Nominal		230.60 V	
Temperatura		25.20 °C		Corriente Nominal		0.14 A	
Humedad		59.30 %		Fotocélula		Czibula Grundmann	
Notas							

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED 24V	Flujo [lm]	Pot. [W]	Cant.	
C.I.E.	38 66 86 80 100		3165.53	32.25	1	
F UTE	0.80 H + 0.20 T					
		D DIN 5040 B NBN	B21 BZ 6			

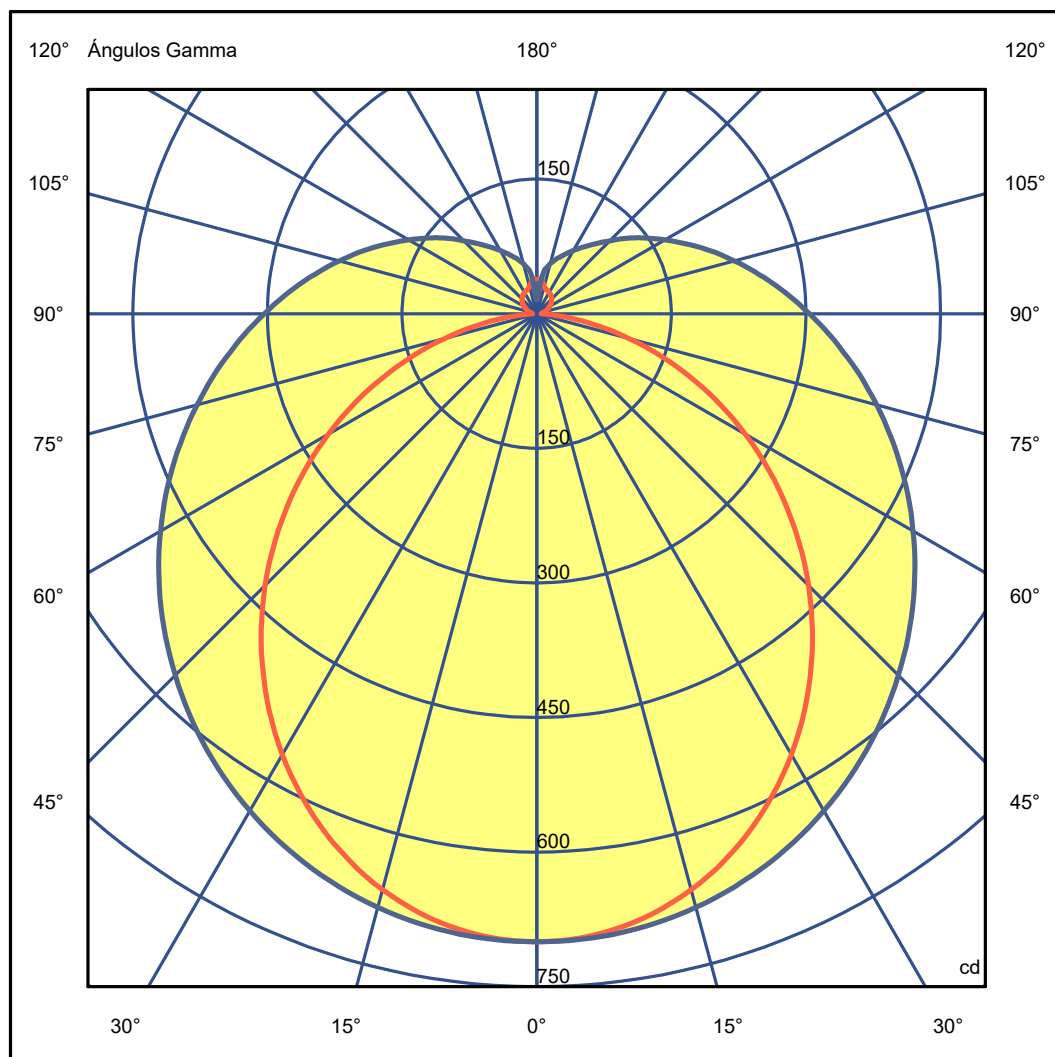


34mm x 2100mm



Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 20.11 %
DLOR 79.89 %
RN 20.11 %



Luminaria

Código A704-021-15-30K

Nombre AMBROSIA A 210 MATT GOLD 30K

Ensayo

Código CL041A22F003GE2

Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

Tabla de Intensidad Luminosa cd
Tabla 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	699.85	699.85	699.85	699.85	699.85	699.85	699.85
G 2.5	698.89	698.87	699.01	699.15	699.35	699.44	699.46
G 5.0	695.88	695.96	696.49	697.04	697.78	698.08	698.31
G 7.5	690.83	691.19	692.29	693.53	694.96	695.79	696.26
G 10.0	683.91	684.63	686.35	688.63	690.98	692.67	693.33
G 12.5	675.04	676.06	678.82	682.30	686.03	688.43	689.47
G 15.0	664.32	665.91	669.66	674.71	679.78	683.42	684.76
G 17.5	652.16	653.95	658.92	665.78	672.58	677.45	679.31
G 20.0	637.86	640.55	646.92	655.73	664.49	670.46	672.85
G 22.5	622.36	625.34	633.41	644.36	655.11	662.89	665.74
G 25.0	605.05	608.96	618.91	631.99	644.97	654.15	657.59
G 27.5	586.75	591.07	602.86	618.54	633.87	645.02	649.08
G 30.0	567.15	572.40	586.07	604.27	622.11	634.76	639.54
G 32.5	546.28	552.29	568.14	588.86	609.62	623.88	629.66
G 35.0	524.54	531.37	549.18	572.98	596.14	612.57	618.75
G 37.5	501.29	509.19	529.74	556.34	582.46	600.37	607.39
G 40.0	477.94	486.89	509.31	539.22	567.64	587.89	595.33
G 42.5	453.09	462.99	488.77	521.46	552.64	574.40	582.88
G 45.0	428.19	439.52	467.60	503.31	537.27	560.82	569.70
G 47.5	402.45	414.91	446.02	484.87	521.44	546.75	556.40
G 50.0	376.13	390.05	424.37	466.22	505.65	532.24	542.72
G 52.5	349.72	365.18	402.26	447.55	489.11	517.74	528.50
G 55.0	322.90	339.98	380.48	428.68	472.73	502.54	514.01
G 57.5	295.57	314.71	358.62	409.90	456.26	487.40	499.29
G 60.0	268.61	289.63	337.01	391.58	439.77	471.91	484.17
G 62.5	240.87	264.12	315.73	372.83	423.31	456.35	469.08
G 65.0	213.72	239.41	294.86	355.05	406.78	440.97	453.68
G 67.5	186.07	214.92	274.73	337.30	390.50	424.90	438.32
G 70.0	159.28	191.34	254.81	319.84	374.31	409.67	422.73
G 72.5	132.44	168.35	236.10	303.14	358.45	393.93	407.32
G 75.0	106.85	146.69	218.15	286.90	342.88	378.70	392.02
G 77.5	82.55	126.43	201.23	271.24	327.86	363.51	376.77
G 80.0	59.49	107.63	185.41	256.09	312.90	348.37	362.00
G 82.5	39.05	91.61	170.43	241.89	298.22	333.89	346.66
G 85.0	22.37	77.17	157.03	228.13	284.17	319.16	332.38
G 87.5	10.61	65.56	144.49	215.28	270.60	305.23	317.88
G 90.0	5.49	55.82	133.52	202.86	257.48	291.55	303.79
G 92.5	4.88	48.12	123.21	191.33	245.07	278.11	290.44
G 95.0	5.30	41.98	114.09	180.30	232.76	265.28	277.11
G 97.5	5.96	37.38	105.70	169.90	221.32	252.43	264.47
G100.0	6.87	33.56	98.12	160.12	209.83	240.56	251.86
G102.5	7.87	30.79	91.40	150.72	199.15	228.41	239.76
G105.0	8.97	29.04	85.23	141.97	188.69	216.96	227.97
G107.5	10.23	28.04	79.86	133.56	178.52	205.89	216.58
G110.0	11.47	27.68	74.65	125.98	169.03	195.09	205.61
G112.5	12.71	27.87	69.61	118.81	159.59	184.78	194.61
G115.0	13.95	28.46	65.04	111.95	150.97	174.68	184.21
G117.5	15.25	29.29	61.27	105.29	142.62	165.28	174.20
G120.0	16.55	30.26	58.88	99.35	134.99	156.36	164.66
G122.5	17.77	31.50	57.02	93.74	127.40	147.97	155.98
G125.0	19.01	32.75	55.81	88.70	120.08	139.95	147.36
G127.5	20.22	34.08	55.04	84.30	113.03	132.08	139.33
G130.0	21.35	35.43	54.39	80.44	106.11	124.51	131.00
G132.5	22.40	36.81	53.92	77.16	99.89	116.90	123.09
G135.0	23.46	37.98	53.50	74.33	94.57	109.90	115.29
G137.5	24.27	38.61	53.04	71.88	89.85	103.57	108.32
G140.0	25.02	38.72	52.43	69.37	85.70	97.67	102.27
G142.5	25.75	38.98	51.97	67.31	81.83	92.47	96.45
G145.0	26.46	38.97	51.16	64.97	78.28	87.57	91.25
G147.5	27.07	38.58	50.33	62.22	74.81	83.02	86.17
G150.0	27.62	37.95	49.45	59.70	71.29	78.65	81.51
G152.5	28.09	36.60	47.67	57.22	68.29	74.55	77.10
G155.0	28.46	35.47	45.21	54.77	64.62	69.76	72.81
G157.5	28.76	34.55	42.93	52.40	60.34	66.75	69.02
G160.0	29.07	34.15	40.17	49.47	56.07	63.06	65.55
G162.5	30.13	34.42	37.82	46.37	52.79	57.94	61.56
G165.0	32.08	34.98	36.75	43.11	48.86	53.64	58.01
G167.5	34.12	35.65	36.48	39.83	43.34	49.02	53.33
G170.0	36.08	37.06	37.03	37.65	38.37	41.64	49.85
G172.5	37.67	38.29	38.66	35.93	34.14	36.23	39.88
G175.0	37.99	39.25	39.31	35.78	32.46	29.06	24.64
G177.5	38.67	40.13	39.59	36.70	31.89	25.10	16.19
G180.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50

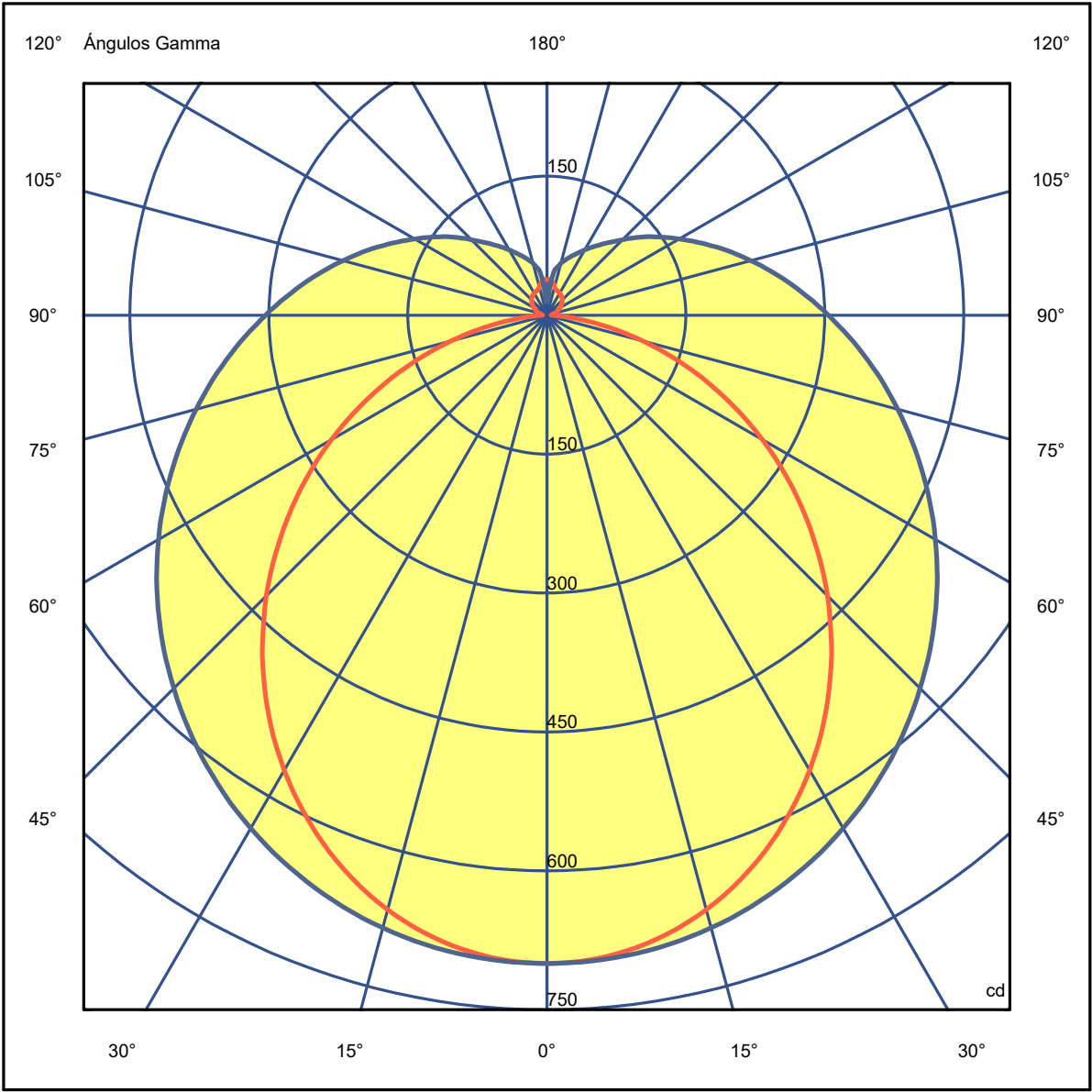
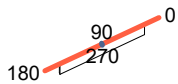
Luminaria
Código A704-021-15-30K
Nombre AMBROSIA A 210 MATT GOLD 30K
Ensayo
Código CL041A22F003GE2
Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

34mm x 2100mm

Semiplanos C

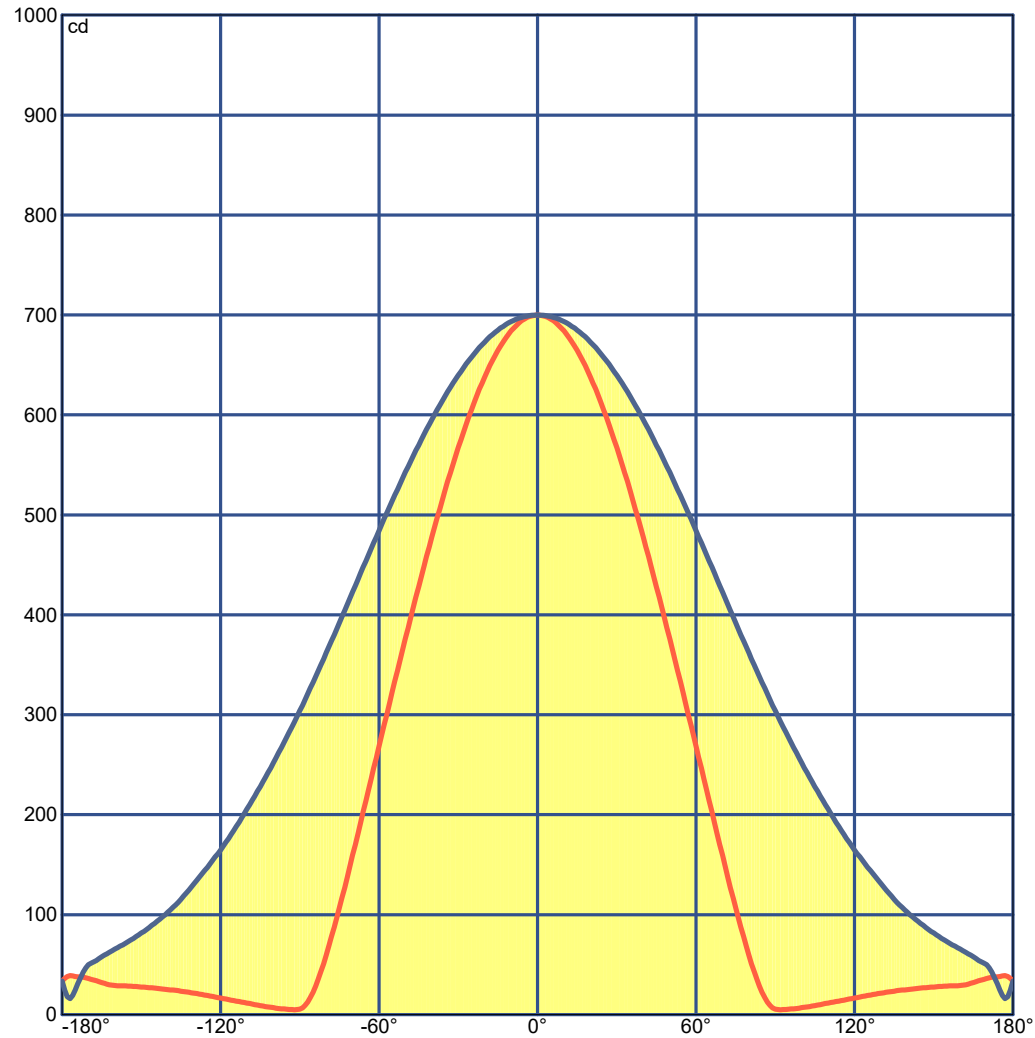
180.0 ————— 0.0
270.0 ————— 90.0



Luminaria
Código A704-021-15-30K
Nombre AMBROSIA A 210 MATT GOLD 30K
Ensayo
Código CL041A22F003GE2
Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

34mm x 2100mm



Luminaria

Código A704-021-15-30K

Nombre AMBROSIA A 210 MATT GOLD 30K

Ensayo

Código CL041A22F003GE2

Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local						Vista Longitudinal				
x=2H y=2H	16.9	18.1	17.4	18.6	19.3	17.6	18.8	18.2	19.4	20.0
x=2H y=3H	18.3	19.3	18.9	19.9	20.6	19.7	20.8	20.3	21.4	22.1
x=2H y=4H	18.8	19.8	19.4	20.4	21.1	20.7	21.8	21.3	22.4	23.1
x=2H y=6H	19.1	20.1	19.8	20.7	21.4	21.7	22.7	22.4	23.3	24.0
x=2H y=8H	19.2	20.2	19.9	20.8	21.5	22.2	23.1	22.9	23.8	24.5
x=2H y=12H	19.3	20.2	19.9	20.8	21.6	22.7	23.5	23.3	24.2	24.9
x=4H y=2H	17.6	18.6	18.2	19.2	19.9	18.2	19.2	18.8	19.8	20.5
x=4H y=3H	19.2	20.1	19.9	20.7	21.5	20.5	21.4	21.1	22.0	22.8
x=4H y=4H	19.9	20.7	20.6	21.4	22.1	21.7	22.5	22.4	23.2	23.9
x=4H y=6H	20.4	21.1	21.1	21.8	22.6	22.9	23.6	23.6	24.3	25.1
x=4H y=8H	20.5	21.2	21.3	21.9	22.7	23.5	24.1	24.2	24.8	25.7
x=4H y=12H	20.6	21.2	21.4	22.0	22.8	24.0	24.6	24.8	25.4	26.2
x=8H y=4H	20.5	21.1	21.2	21.8	22.7	22.0	22.6	22.7	23.4	24.2
x=8H y=6H	21.2	21.8	22.0	22.5	23.4	23.4	24.0	24.2	24.7	25.6
x=8H y=8H	21.5	22.0	22.3	22.8	23.6	24.2	24.7	24.9	25.4	26.3
x=8H y=12H	21.8	22.2	22.5	22.9	23.8	24.9	25.4	25.7	26.1	27.0
x=12H y=4H	21.7	22.3	22.4	23.0	23.9	22.3	22.9	23.0	23.6	24.4
x=12H y=6H	22.3	22.8	23.1	23.6	24.5	23.7	24.2	24.4	24.9	25.8
x=12H y=8H	22.7	23.1	23.4	23.9	24.7	24.5	24.9	25.2	25.7	26.6

Luminaria

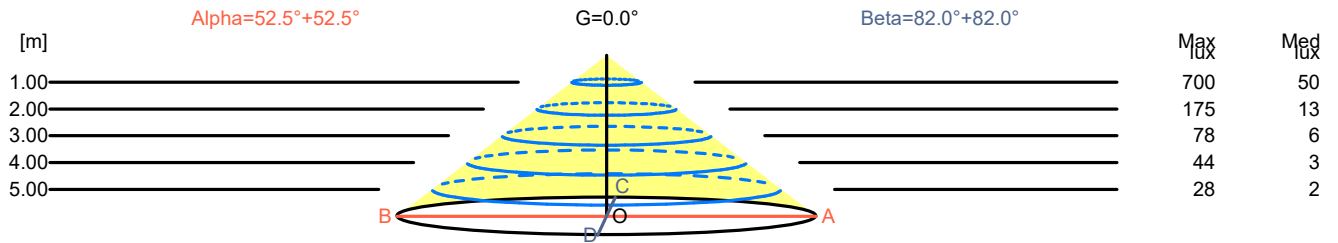
Código A704-021-15-30K
Nombre AMBROSIA A 210 MATT GOLD 30K
Ensayo CL041A22F003GE2
Código
Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

Apertura a 50.00 % de Max Intensidad

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	1.30	2.60	3.91	5.21	6.51	OC	7.08	14.16	21.24	28.32	35.40
OB	1.30	2.60	3.91	5.21	6.51	OD	7.08	14.16	21.24	28.32	35.40

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	699.85	695.88	664.32	605.05	524.54	428.19	322.90	213.72	106.85	22.37
OB	699.85	695.88	664.32	605.05	524.54	428.19	322.90	213.72	106.85	22.37
OC	699.85	698.31	684.76	657.59	618.75	569.70	514.01	453.68	392.02	332.38
OD	699.85	698.31	684.76	657.59	618.75	569.70	514.01	453.68	392.02	332.38



H[m]	D[m]	Max lux	Med lux	Alpha=52.5°+52.5°	G=0.0	
1.00	2.60	700	50			
2.00	5.21	175	13			
3.00	7.81	78	6			
4.00	10.42	44	3			
5.00	13.02	28	2			

H[m]	D[m]	Max lux	Med lux	Beta=82.0°+82.0°	G=0.0	
1.00	14.16	700	50			
2.00	28.32	175	13			
3.00	42.48	78	6			
4.00	56.63	44	3			
5.00	70.79	28	2			

Luminaria

Código A704-021-15-30K
Nombre AMBROSIA A 210 MATT GOLD 30K

Ensayo

Código CL041A22F003GE2
Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

Flujo Total=3165.53 Flujo Luminaria=3165.53

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	0.25	0.32	0.38	0.45	0.50	0.58	0.64	0.69	0.74	0.78	0.87	0.93
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

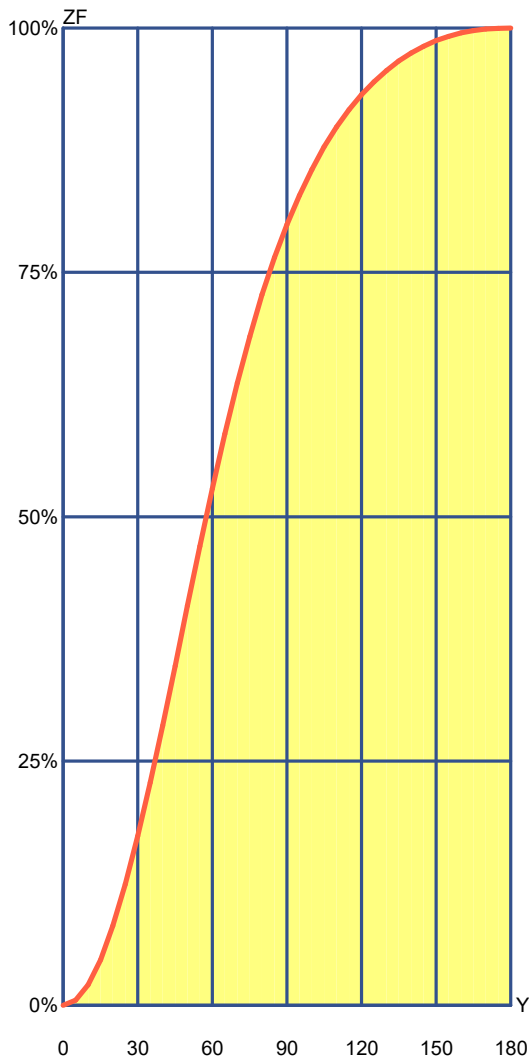
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	81	173	286	409	529	637	727	799	855	899	932	956	974	987	995	999	1000

Códigos de Flujo C.I.E.

38 66 86 80 100

C.I.E. 7
D DIN 5040 B21
F UTE 0.80 H + 0.20 T
B NBN BZ 6
RN 20.11426 %
BLF 1.0

LOR 100.00000 %
ULOR 20.11426 %
DLOR 79.88574 %
UFF 20.11426 %
DFF 79.88574 %
FFR 25.17878 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.28	5.28	0.53 %	0.53 %
10°	15.66	20.94	1.57 %	2.09 %
15°	25.55	46.48	2.55 %	4.65 %
20°	34.63	81.11	3.46 %	8.11 %
25°	42.65	123.76	4.26 %	12.38 %
30°	49.39	173.15	4.94 %	17.32 %
35°	54.71	227.86	5.47 %	22.79 %
40°	58.51	286.36	5.85 %	28.64 %
45°	60.76	347.13	6.08 %	34.71 %
50°	61.53	408.66	6.15 %	40.87 %
55°	60.90	469.56	6.09 %	46.96 %
60°	58.99	528.55	5.90 %	52.85 %
65°	55.99	584.54	5.60 %	58.45 %
70°	52.12	636.66	5.21 %	63.67 %
75°	47.63	684.29	4.76 %	68.43 %
80°	42.85	727.13	4.28 %	72.71 %
85°	38.07	765.20	3.81 %	76.52 %
90°	33.66	798.86	3.37 %	79.89 %
95°	29.83	828.69	2.98 %	82.87 %
100°	26.40	855.09	2.64 %	85.51 %
105°	23.25	878.35	2.33 %	87.83 %
110°	20.37	898.72	2.04 %	89.87 %
115°	17.73	916.45	1.77 %	91.64 %
120°	15.35	931.80	1.53 %	93.18 %
125°	13.27	945.07	1.33 %	94.51 %
130°	11.42	956.49	1.14 %	95.65 %
135°	9.75	966.23	0.97 %	96.62 %
140°	8.26	974.49	0.83 %	97.45 %
145°	6.92	981.41	0.69 %	98.14 %
150°	5.67	987.09	0.57 %	98.71 %
155°	4.49	991.57	0.45 %	99.16 %
160°	3.38	994.95	0.34 %	99.50 %
165°	2.40	997.35	0.24 %	99.74 %
170°	1.56	998.91	0.16 %	99.89 %
175°	0.84	999.74	0.08 %	99.97 %
180°	0.26	1000.00	0.03 %	100.00 %

Luminaria

Código A704-021-15-30K

Nombre AMBROSIA A 210 MATT GOLD 30K

Ensayo

Código CL041A22F003GE2

Nombre AMBROSIA A 210 MATT GOLD 30K

Flujo Luminaria	3165.53 lm	Potencia Luminaria	32.25 W	Eficacia	98.16 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	3165.53 lm	Valor Máximo	699.85 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m

