

Luminaria

Código 4800/018

Nombre TRIBECA

Ensayo

Código CL178A20F001G.E6

Nombre TRIBECA

Flujo Luminaria	270.65 lm		Potencia luminaria		4.53 W		Eficacia		59.78 lm/W		Eficiencia		100.00%	
Flujo Fuentes	270.65 lm		Valor Máximo		31.72 cd		Posición		C=90.00 G=147.50		CG		Asimétrico	
Tabla de Intensidad Luminosa cd														
Tabla 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	1
G 2.5	0	0	0	1	0	1	0	1	0	1	0	0	0	0
G 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 7.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 12.5	0	0	0	0	1	0	0	0	1	0	0	0	0	0
G 15.0	0	0	1	1	1	1	1	1	1	1	1	0	0	0
G 17.5	0	0	1	1	1	1	1	1	1	1	1	0	0	0
G 20.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G 22.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
G 25.0	1	1	1	1	2	1	1	1	2	1	1	1	1	1
G 27.5	1	1	2	2	2	1	2	1	2	2	2	1	1	1
G 30.0	1	1	2	2	2	2	2	2	2	2	2	1	1	1
G 32.5	1	2	3	2	3	2	2	2	3	2	3	2	1	1
G 35.0	1	2	3	3	3	2	2	2	3	3	3	2	1	1
G 37.5	1	3	4	4	3	3	3	3	3	4	4	3	1	1
G 40.0	1	3	4	4	4	3	3	3	4	4	4	3	1	1
G 42.5	2	4	5	5	5	4	3	4	5	5	5	4	2	2
G 45.0	2	5	6	7	6	5	4	5	6	7	6	5	2	2
G 47.5	3	6	7	8	7	6	4	6	7	8	7	6	3	3
G 50.0	3	7	9	9	8	7	5	7	8	9	9	7	3	3
G 52.5	5	9	10	10	9	8	6	8	9	10	10	9	5	5
G 55.0	8	11	12	12	11	9	8	9	11	12	12	11	8	8
G 57.5	11	12	13	13	12	11	10	11	12	13	13	12	11	11
G 60.0	13	14	14	15	13	12	11	12	13	15	14	14	13	13
G 62.5	16	16	16	16	15	14	13	14	15	16	16	16	16	16
G 65.0	17	17	17	17	16	15	15	15	16	17	17	17	17	17
G 67.5	19	19	18	19	17	17	16	17	17	19	18	19	19	19
G 70.0	20	20	20	20	19	18	17	18	19	20	20	20	20	20
G 72.5	21	21	21	21	20	19	19	19	20	21	21	21	21	21
G 75.0	22	22	22	22	21	21	20	21	21	22	22	22	22	22
G 77.5	23	23	23	23	22	22	21	22	22	23	23	23	23	23
G 80.0	24	24	24	24	23	23	22	23	23	24	24	24	24	24
G 82.5	25	25	25	24	24	24	23	24	24	25	25	25	25	25
G 85.0	25	25	25	25	24	25	24	25	24	25	25	25	25	25
G 87.5	26	26	26	25	25	25	25	25	25	26	26	26	26	26
G 90.0	26	26	26	26	26	26	26	26	26	26	26	26	26	26
G 92.5	27	27	27	27	26	26	26	26	26	27	27	27	27	27
G 95.0	27	27	27	27	27	27	27	27	27	27	27	27	27	27
G 97.5	28	28	28	28	27	28	27	28	27	28	28	28	28	28
G100.0	28	28	28	28	28	28	28	28	28	28	28	28	28	28
G102.5	29	29	29	29	28	28	28	28	28	29	29	29	29	29
G105.0	29	29	29	29	29	29	29	29	29	29	29	29	29	29
G107.5	29	29	29	29	29	29	29	29	29	29	29	29	29	29
G110.0	30	30	30	30	30	30	30	30	30	30	30	30	30	30
G112.5	30	30	30	30	30	30	30	30	30	30	30	30	30	30
G115.0	30	30	30	30	30	30	30	30	30	30	30	30	30	30
G117.5	31	31	30	30	30	31	31	31	30	30	30	31	31	31
G120.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G122.5	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G125.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G127.5	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G130.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G132.5	32	32	31	31	31	31	32	31	31	31	31	32	32	32
G135.0	32	32	31	31	31	31	32	31	31	31	31	32	32	32
G137.5	32	32	32	31	32	32	32	32	32	31	32	32	32	32
G140.0	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G142.5	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G145.0	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G147.5	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G150.0	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G152.5	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G155.0	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G157.5	32	32	32	32	32	32	32	32	32	32	32	32	32	32
G160.0	31	31	31	31	32	32	32	32	32	31	31	31	31	31
G162.5	31	31	31	31	31	31	32	31	31	31	31	31	31	31
G165.0	31	31	31	31	31	31	32	31	31	31	31	31	31	31
G167.5	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G170.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G172.5	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G175.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G177.5	31	31	31	31	31	31	31	31	31	31	31	31	31	31
G180.0	31	31	31	31	31	31	31	31	31	31	31	31	31	31

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Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=147.50	CG Asimétrico	

Tabla de Intensidad Luminosa cd

Tabla 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	0	0	1	0	1	0	1	0	1	0	0
G 5.0	0	0	0	0	0	0	0	0	0	0	0
G 7.5	0	0	0	0	0	0	0	0	0	0	0
G 10.0	0	0	0	0	0	0	0	0	0	0	0
G 12.5	0	0	0	1	0	0	0	1	0	0	0
G 15.0	0	1	1	1	1	1	1	1	1	1	0
G 17.5	0	1	1	1	1	1	1	1	1	1	0
G 20.0	1	1	1	1	1	1	1	1	1	1	1
G 22.5	1	1	1	1	1	1	1	1	1	1	1
G 25.0	1	1	1	2	1	1	1	2	1	1	1
G 27.5	1	2	2	2	1	2	1	2	2	2	1
G 30.0	1	2	2	2	2	2	2	2	2	2	1
G 32.5	2	3	2	3	2	2	2	3	2	3	2
G 35.0	2	3	3	3	2	2	2	3	3	3	2
G 37.5	3	4	4	3	3	3	3	3	4	4	3
G 40.0	3	4	4	4	3	3	3	4	4	4	3
G 42.5	4	5	5	5	4	3	4	5	5	5	4
G 45.0	5	6	7	6	5	4	5	6	7	6	5
G 47.5	6	7	8	7	6	4	6	7	8	7	6
G 50.0	7	9	9	8	7	5	7	8	9	9	7
G 52.5	9	10	10	9	8	6	8	9	10	10	9
G 55.0	11	12	12	11	9	8	9	11	12	12	11
G 57.5	12	13	13	12	11	10	11	12	13	13	12
G 60.0	14	14	15	13	12	11	12	13	15	14	14
G 62.5	16	16	16	15	14	13	14	15	16	16	16
G 65.0	17	17	17	16	15	15	15	16	17	17	17
G 67.5	19	18	19	17	17	16	17	17	19	18	19
G 70.0	20	20	20	19	18	17	18	19	20	20	20
G 72.5	21	21	21	20	19	19	19	20	21	21	21
G 75.0	22	22	22	21	21	20	21	21	22	22	22
G 77.5	23	23	23	22	22	21	22	22	23	23	23
G 80.0	24	24	24	23	23	22	23	23	24	24	24
G 82.5	25	25	24	24	24	23	24	24	24	25	25
G 85.0	25	25	25	24	25	24	25	24	25	25	25
G 87.5	26	26	25	25	25	25	25	25	26	26	26
G 90.0	26	26	26	26	26	26	26	26	26	26	26
G 92.5	27	27	27	26	26	26	26	26	27	27	27
G 95.0	27	27	27	27	27	27	27	27	27	27	27
G 97.5	28	28	28	27	28	27	28	27	28	28	28
G100.0	28	28	28	28	28	28	28	28	28	28	28
G102.5	29	29	29	28	28	28	28	28	29	29	29
G105.0	29	29	29	29	29	29	29	29	29	29	29
G107.5	29	29	29	29	29	29	29	29	29	29	29
G110.0	30	30	30	30	30	30	30	30	30	30	30
G112.5	30	30	30	30	30	30	30	30	30	30	30
G115.0	30	30	30	30	30	30	30	30	30	30	30
G117.5	31	30	30	30	31	31	31	30	30	30	31
G120.0	31	31	31	31	31	31	31	31	31	31	31
G122.5	31	31	31	31	31	31	31	31	31	31	31
G125.0	31	31	31	31	31	31	31	31	31	31	31
G127.5	31	31	31	31	31	31	31	31	31	31	31
G130.0	31	31	31	31	31	31	31	31	31	31	31
G132.5	32	31	31	31	31	32	31	31	31	31	32
G135.0	32	31	31	31	31	32	31	31	31	31	32
G137.5	32	32	31	32	32	32	32	32	31	32	32
G140.0	32	32	32	32	32	32	32	32	32	32	32
G142.5	32	32	32	32	32	32	32	32	32	32	32
G145.0	32	32	32	32	32	32	32	32	32	32	32
G147.5	32	32	32	32	32	32	32	32	32	32	32
G150.0	32	32	32	32	32	32	32	32	32	32	32
G152.5	32	32	32	32	32	32	32	32	32	32	32
G155.0	32	32	32	32	32	32	32	32	32	32	32
G157.5	32	32	32	32	32	32	32	32	32	32	32
G160.0	31	31	31	32	32	32	32	32	31	31	31
G162.5	31	31	31	31	31	32	31	31	31	31	31
G165.0	31	31	31	31	31	32	31	31	31	31	31
G167.5	31	31	31	31	31	31	31	31	31	31	31
G170.0	31	31	31	31	31	31	31	31	31	31	31
G172.5	31	31	31	31	31	31	31	31	31	31	31
G175.0	31	31	31	31	31	31	31	31	31	31	31
G177.5	31	31	31	31	31	31	31	31	31	31	31
G180.0	31	31	31	31	31	31	31	31	31	31	31

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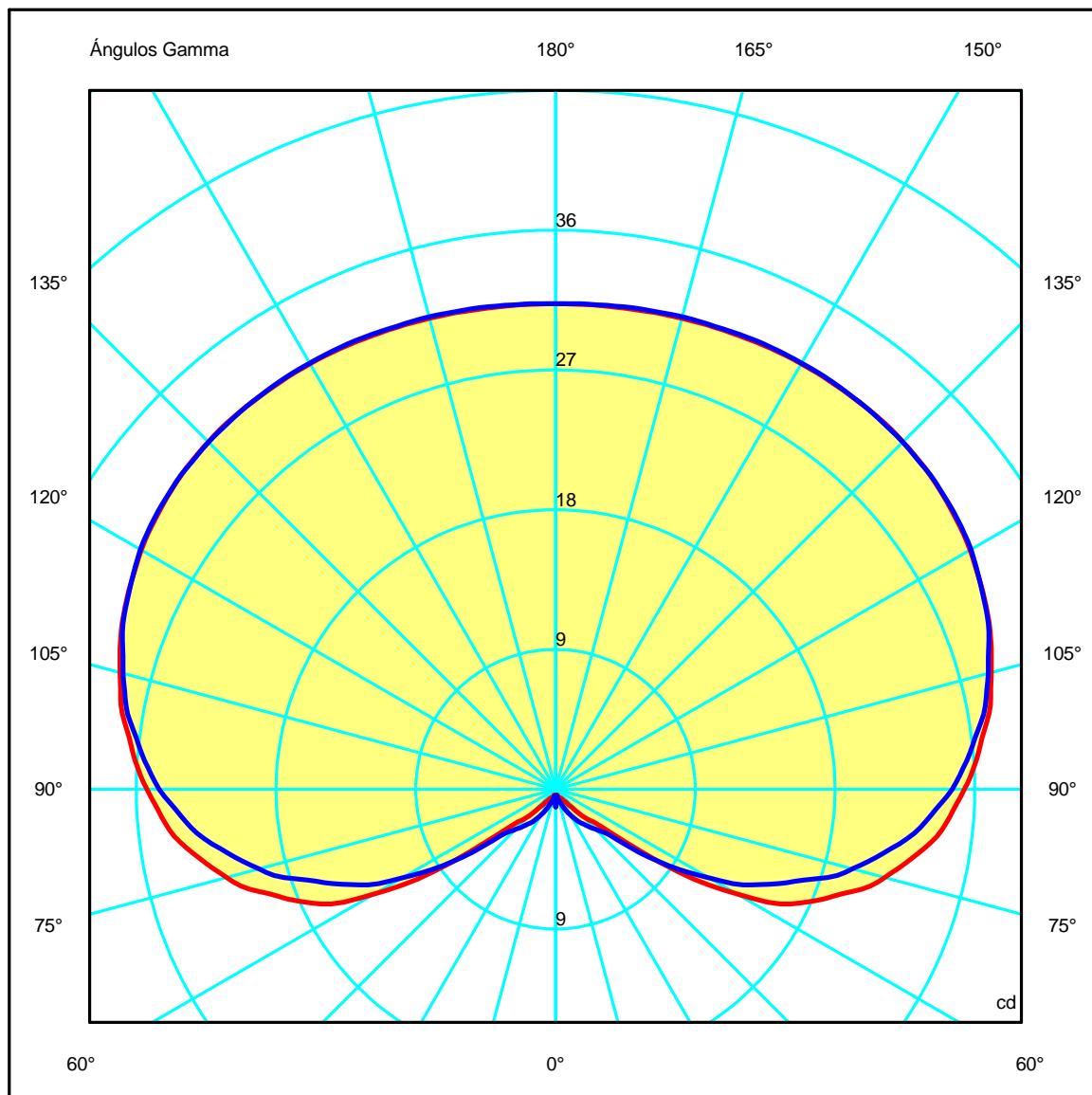
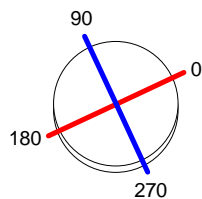
Flujo Luminaria	270.65 lm	Potencia luminaria	4.53 W	Eficacia	59.78 lm/W	Eficiencia	100.00%
Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=147.50	CG	Asimétrico

Diam=180mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



Luminaria

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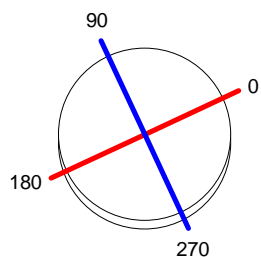
Ensayo

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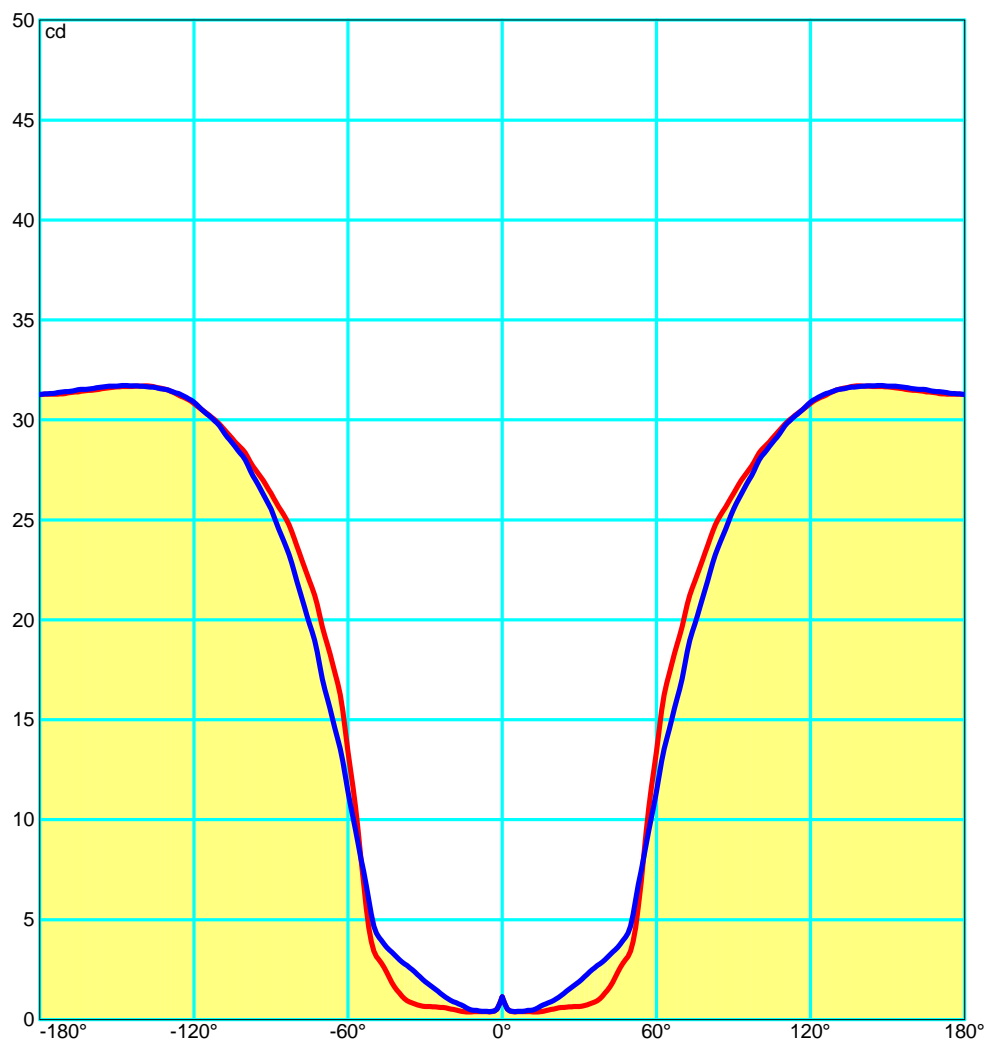
Flujo Luminaria	270.65 lm	Potencia luminaria	4.53 W	Eficacia	59.78 lm/W	Eficiencia	100.00%
Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=147.50	CG	Asimétrico

Diam=180mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=147.50	CG	Asimétrico

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	2.5	3.4	3.6	4.4	5.9	1.8	2.6	2.8	3.7	5.2
x=2H y=3H	6.9	7.7	8.0	8.8	10.3	6.2	6.9	7.3	8.0	9.5
x=2H y=4H	9.0	9.7	10.1	10.8	12.4	8.3	9.1	9.4	10.1	11.7
x=2H y=6H	11.0	11.7	12.1	12.8	14.3	10.4	11.1	11.5	12.2	13.7
x=2H y=8H	12.0	12.6	13.1	13.7	15.3	11.4	12.0	12.5	13.1	14.7
x=2H y=12H	12.9	13.5	14.0	14.6	16.2	12.4	13.0	13.5	14.1	15.6
x=4H y=2H	4.2	4.9	5.2	6.0	7.5	3.7	4.5	4.8	5.5	7.1
x=4H y=3H	8.3	8.9	9.4	10.1	11.6	7.8	8.4	8.9	9.5	11.1
x=4H y=4H	10.4	11.0	11.6	12.1	13.7	9.9	10.5	11.0	11.6	13.2
x=4H y=6H	12.5	13.0	13.6	14.1	15.7	12.0	12.5	13.2	13.7	15.2
x=4H y=8H	13.5	14.0	14.6	15.1	16.7	13.1	13.5	14.2	14.7	16.3
x=4H y=12H	14.5	14.9	15.6	16.1	17.6	14.1	14.5	15.2	15.6	17.2
x=8H y=4H	11.2	11.7	12.4	12.8	14.4	10.8	11.3	12.0	12.5	14.0
x=8H y=6H	13.5	13.9	14.6	15.0	16.6	13.1	13.5	14.3	14.7	16.2
x=8H y=8H	14.6	15.0	15.8	16.1	17.7	14.3	14.6	15.4	15.8	17.4
x=8H y=12H	15.8	16.1	16.9	17.2	18.9	15.4	15.7	16.6	16.9	18.5
x=12H y=4H	11.4	11.8	12.5	13.0	14.6	11.1	11.5	12.2	12.6	14.2
x=12H y=6H	13.8	14.1	14.9	15.3	16.9	13.4	13.8	14.6	14.9	16.5
x=12H y=8H	15.0	15.3	16.1	16.5	18.1	14.7	15.0	15.8	16.1	17.8

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Flujo Total=270.65 Flujo Luminaria=270.65

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	0.02	0.05	0.08	0.12	0.16	0.23	0.30	0.35	0.44	0.50	0.67	0.80
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	0	1	3	9	24	59	119	202	302	412	525	635	738	829	902	956	989	1000

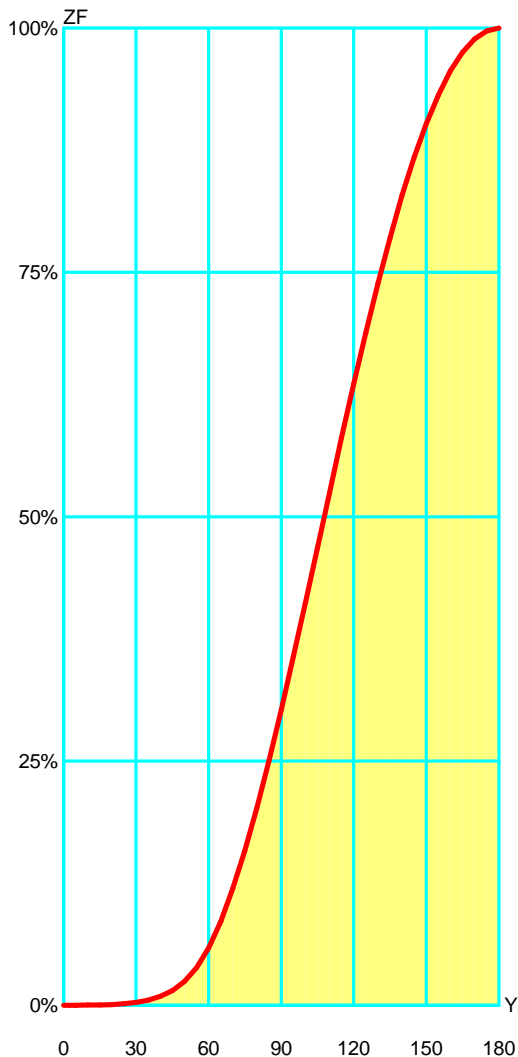
Códigos de Flujo C.I.E.

4 19 54 30 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

-/-/-/-/-/-/-/-/-/-
D12
--
BZ 10
69.77251 %
1.0

LOR 100.00000 %
ULOR 69.77251 %
DLOR 30.22749 %
UFF 69.77251 %
DFF 30.22749 %
FFR 230.82465 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.05	0.05	0.00 %	0.00 %
10°	0.11	0.16	0.01 %	0.02 %
15°	0.21	0.36	0.02 %	0.04 %
20°	0.42	0.78	0.04 %	0.08 %
25°	0.80	1.58	0.08 %	0.16 %
30°	1.40	2.98	0.14 %	0.30 %
35°	2.31	5.29	0.23 %	0.53 %
40°	3.70	8.99	0.37 %	0.90 %
45°	5.92	14.92	0.59 %	1.49 %
50°	9.30	24.21	0.93 %	2.42 %
55°	14.16	38.37	1.42 %	3.84 %
60°	20.40	58.77	2.04 %	5.88 %
65°	27.12	85.89	2.71 %	8.59 %
70°	33.30	119.19	3.33 %	11.92 %
75°	39.11	158.29	3.91 %	15.83 %
80°	44.16	202.45	4.42 %	20.25 %
85°	48.37	250.83	4.84 %	25.08 %
90°	51.45	302.27	5.14 %	30.23 %
95°	53.79	356.06	5.38 %	35.61 %
100°	55.49	411.55	5.55 %	41.16 %
105°	56.45	468.00	5.65 %	46.80 %
110°	56.62	524.62	5.66 %	52.46 %
115°	56.07	580.69	5.61 %	58.07 %
120°	54.78	635.47	5.48 %	63.55 %
125°	52.83	688.30	5.28 %	68.83 %
130°	50.19	738.49	5.02 %	73.85 %
135°	46.95	785.44	4.69 %	78.54 %
140°	43.19	828.62	4.32 %	82.86 %
145°	38.98	867.61	3.90 %	86.76 %
150°	34.42	902.03	3.44 %	90.20 %
155°	29.55	931.58	2.96 %	93.16 %
160°	24.45	956.02	2.44 %	95.60 %
165°	19.17	975.19	1.92 %	97.52 %
170°	13.76	988.95	1.38 %	98.90 %
175°	8.28	997.24	0.83 %	99.72 %
180°	2.76	1000.00	0.28 %	100.00 %

Luminaria

Código 4800/018
Nombre TRIBECA

Ensayo

Código CL178A20F001G.E6
Nombre TRIBECA

Flujo Luminaria	270.65 lm	Potencia luminaria	4.53 W	Eficacia	59.78 lm/W	Eficiencia	100.00%
Flujo Fuentes	270.65 lm	Valor Máximo	31.72 cd	Posición	C=90.00 G=147.50	CG	Asimétrico

Isolux (Techo)

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

