

## Luminaria

Código I-LN S 150 LED 3000 K  
Nombre I-LINE 150 3000 K

## Ensayo

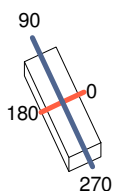
Código CL135A20F001G-E4  
Nombre I-LINE 150

Flujo Luminaria	1456.49 lm	Potencia Luminaria	30.15 W	Eficacia	48.31 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	1456.49 lm	Valor Máximo	340.46 cd	Posición	C=0.00 G=10.00	CG Bisimétrico	
Luminaria Rectangular		Longit.	1500 mm	Anchura	500 mm	Altura	500 mm
Área Luminosa Rectangular		Longit.	1500 mm	Anchura	500 mm	Altura	450 mm
Área Luminosa Horizontal		0.750000 m2		Área Emisión sobre Pl. 180°		0.675000 m2	
Área Emisión sobre Pl. 0°		0.675000 m2		Área Emisión sobre Pl. 270°		0.225000 m2	
Área Emisión sobre Pl. 90°		0.225000 m2		Área de deslumbramiento a 76°		0.836391 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		09-10-2020		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		1456.49 lm	
Operador		ASSELUM		Tensión Nominal		23.70 V	
Temperatura		24.90 °C		Corriente Nominal		1.26 A	
Humedad		51.00 %		Fotocélula		Prc	
Notas		3000 K					

Fuentes de luz de la Luminaria					
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	LED strip	LED strip	1456.49	30.15	1
C.I.E.	40 70 89 83 100	D DIN 5040	B21		
F UTE	0.83 G + 0.17 T	B NBN	BZ 5		



1500mm x 500mm



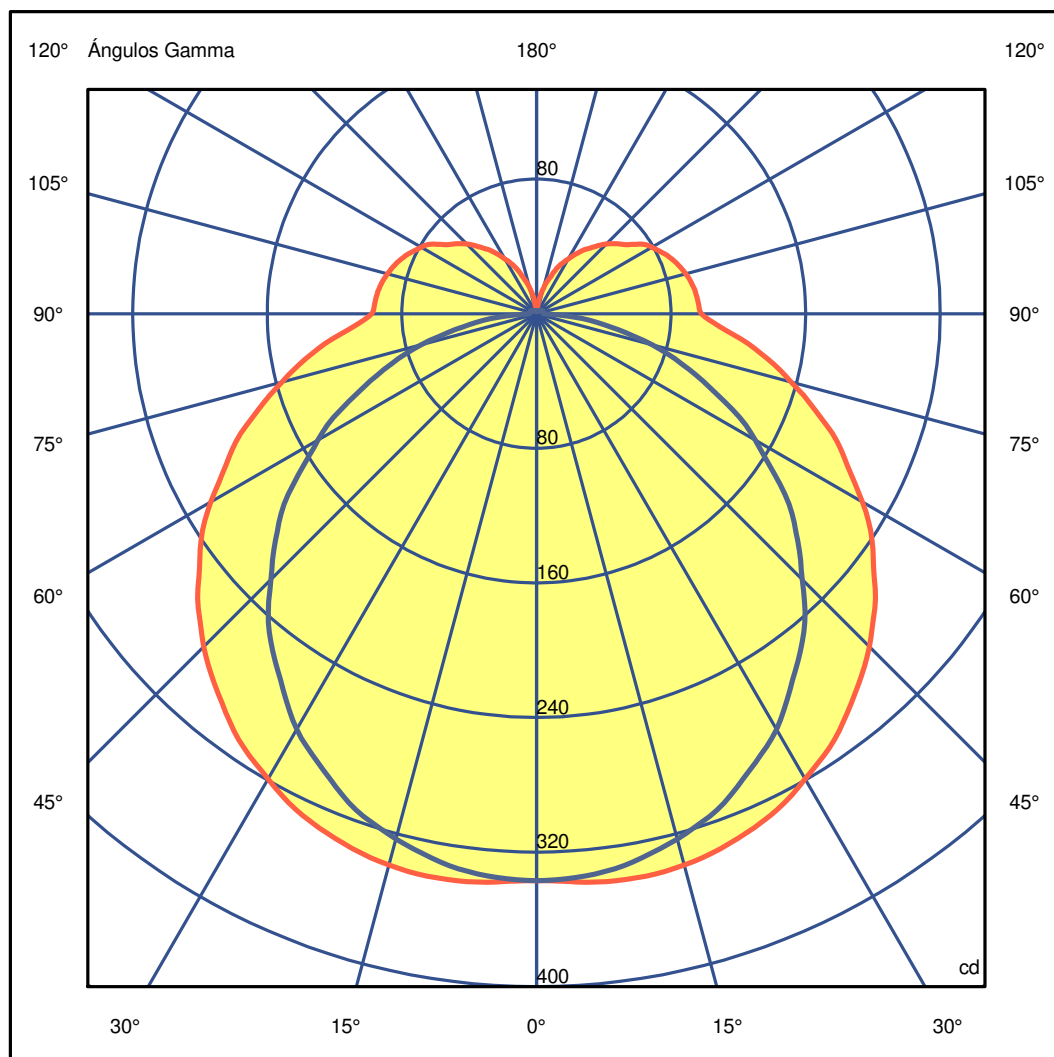
Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 16.97 %

DLOR 83.03 %

RN 16.97 %



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Flujo Fuentes de luz	1456.49 lm	Valor Máximo	340.46 cd	Posición	C=0.00 G=10.00	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	336.89	336.89	336.89	336.89	336.89	336.89	336.89
G 2.5	337.54	337.56	337.42	337.18	336.84	336.53	336.40
G 5.0	339.08	338.83	338.33	337.62	336.60	335.68	335.28
G 7.5	340.17	339.80	338.98	337.66	335.88	334.27	333.57
G 10.0	340.46	340.01	338.97	337.09	334.39	331.86	330.74
G 12.5	340.24	339.54	338.09	335.55	331.89	328.47	326.96
G 15.0	339.18	338.40	336.73	333.69	329.22	324.99	323.11
G 17.5	337.55	336.67	334.76	331.20	325.89	320.84	318.59
G 20.0	335.07	334.08	332.06	328.16	322.18	316.44	313.87
G 22.5	332.23	330.82	328.06	323.23	316.29	309.76	306.88
G 25.0	328.96	327.23	324.02	318.45	310.39	302.82	299.46
G 27.5	324.65	322.97	319.61	313.57	304.69	296.30	292.58
G 30.0	319.21	317.53	314.21	307.94	298.41	289.28	285.20
G 32.5	314.25	312.28	308.31	301.06	290.29	280.07	275.52
G 35.0	308.84	306.10	301.15	292.86	281.15	270.25	265.44
G 37.5	301.80	299.26	294.31	285.70	273.29	261.66	256.51
G 40.0	294.46	291.82	286.84	277.96	264.91	252.57	247.09
G 42.5	287.44	284.56	279.04	269.33	255.21	241.92	236.03
G 45.0	279.81	275.81	269.01	258.12	243.15	229.36	223.31
G 47.5	271.21	267.35	260.40	249.04	233.33	218.82	212.44
G 50.0	262.99	258.99	251.63	239.62	223.09	207.85	201.16
G 52.5	252.65	248.71	241.78	230.01	213.18	197.42	190.45
G 55.0	244.03	238.97	230.27	216.95	199.41	183.55	176.65
G 57.5	234.74	229.03	219.63	205.37	186.57	169.56	162.15
G 60.0	223.65	218.34	209.02	194.53	175.22	157.68	150.02
G 62.5	211.82	206.72	197.92	183.74	164.21	146.20	138.29
G 65.0	201.79	196.64	187.32	172.07	151.00	131.55	123.00
G 67.5	191.98	184.94	173.58	157.07	136.07	117.39	109.31
G 70.0	179.56	173.34	162.49	145.97	124.39	104.95	96.50
G 72.5	168.30	162.04	151.26	134.64	112.60	92.60	83.88
G 75.0	156.86	150.68	140.08	123.40	100.86	80.23	71.21
G 77.5	146.39	138.96	126.71	108.78	85.95	65.63	56.84
G 80.0	135.41	127.99	115.64	97.45	74.22	53.50	44.54
G 82.5	124.83	117.59	105.22	86.91	63.53	42.69	33.67
G 85.0	113.04	106.08	94.39	76.65	53.36	32.32	23.17
G 87.5	104.08	96.48	83.68	64.96	41.27	20.23	11.15
G 90.0	98.02	90.82	78.20	59.37	35.28	13.80	4.51
G 92.5	96.65	89.45	76.73	57.96	34.24	13.22	4.15
G 95.0	96.06	88.90	76.29	57.66	34.08	13.15	4.12
G 97.5	95.38	88.27	75.77	57.29	33.88	13.09	4.12
G100.0	94.48	87.40	75.00	56.70	33.53	12.98	4.11
G102.5	93.30	86.35	74.17	56.12	33.21	12.85	4.06
G105.0	91.84	85.07	73.18	55.47	32.87	12.73	4.03
G107.5	90.11	83.56	72.05	54.75	32.50	12.60	3.99
G110.0	88.47	82.01	70.69	53.71	31.89	12.39	3.94
G112.5	86.41	80.17	69.21	52.67	31.31	12.17	3.88
G115.0	84.20	78.09	67.32	51.17	30.41	11.85	3.82
G117.5	81.47	75.17	64.47	48.80	28.97	11.36	3.77
G120.0	79.13	72.42	61.38	45.90	27.08	10.68	3.67
G122.5	76.69	70.03	59.25	44.26	26.11	10.33	3.59
G125.0	72.12	66.45	56.94	43.10	25.65	10.18	3.51
G127.5	67.62	62.84	54.56	41.85	25.12	10.01	3.43
G130.0	64.69	60.28	52.51	40.41	24.32	9.71	3.34
G132.5	61.81	57.44	49.85	38.25	22.99	9.21	3.21
G135.0	58.65	54.58	47.45	36.45	21.94	8.81	3.09
G137.5	55.22	51.54	44.86	34.44	20.66	8.18	2.74
G140.0	51.63	48.16	41.78	31.94	19.05	7.43	2.38
G142.5	48.46	44.93	38.46	28.93	16.97	6.42	1.88
G145.0	45.13	41.74	35.55	26.57	15.50	5.81	1.65
G147.5	41.51	38.43	32.67	24.35	14.23	5.42	1.65
G150.0	37.60	34.85	29.70	22.23	13.07	5.08	1.65
G152.5	34.45	31.80	26.87	19.94	11.71	4.65	1.65
G155.0	31.16	28.45	23.72	17.38	10.20	4.18	1.65
G157.5	27.06	24.84	20.81	15.35	9.11	3.86	1.65
G160.0	22.44	20.79	17.71	13.34	8.10	3.58	1.65
G162.5	19.66	18.05	15.27	11.47	7.04	3.27	1.68
G165.0	15.76	14.35	11.97	8.91	5.56	2.82	1.68
G167.5	12.44	11.34	9.46	7.09	4.57	2.53	1.69
G170.0	8.88	8.17	6.94	5.50	3.75	2.30	1.70
G172.5	4.08	4.25	4.36	4.06	3.17	2.18	1.70
G175.0	1.98	2.31	2.57	2.61	2.31	1.90	1.69
G177.5	1.38	1.51	1.66	1.77	1.77	1.73	1.70
G180.0	1.49	1.49	1.49	1.49	1.49	1.49	1.49

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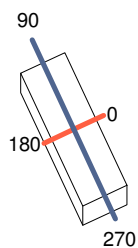
Código I-LN S 150 LED 3000 K  
Nombre I-LINE 150 3000 K

## Ensayo

Código CL135A20F001G-E4  
Nombre I-LINE 150

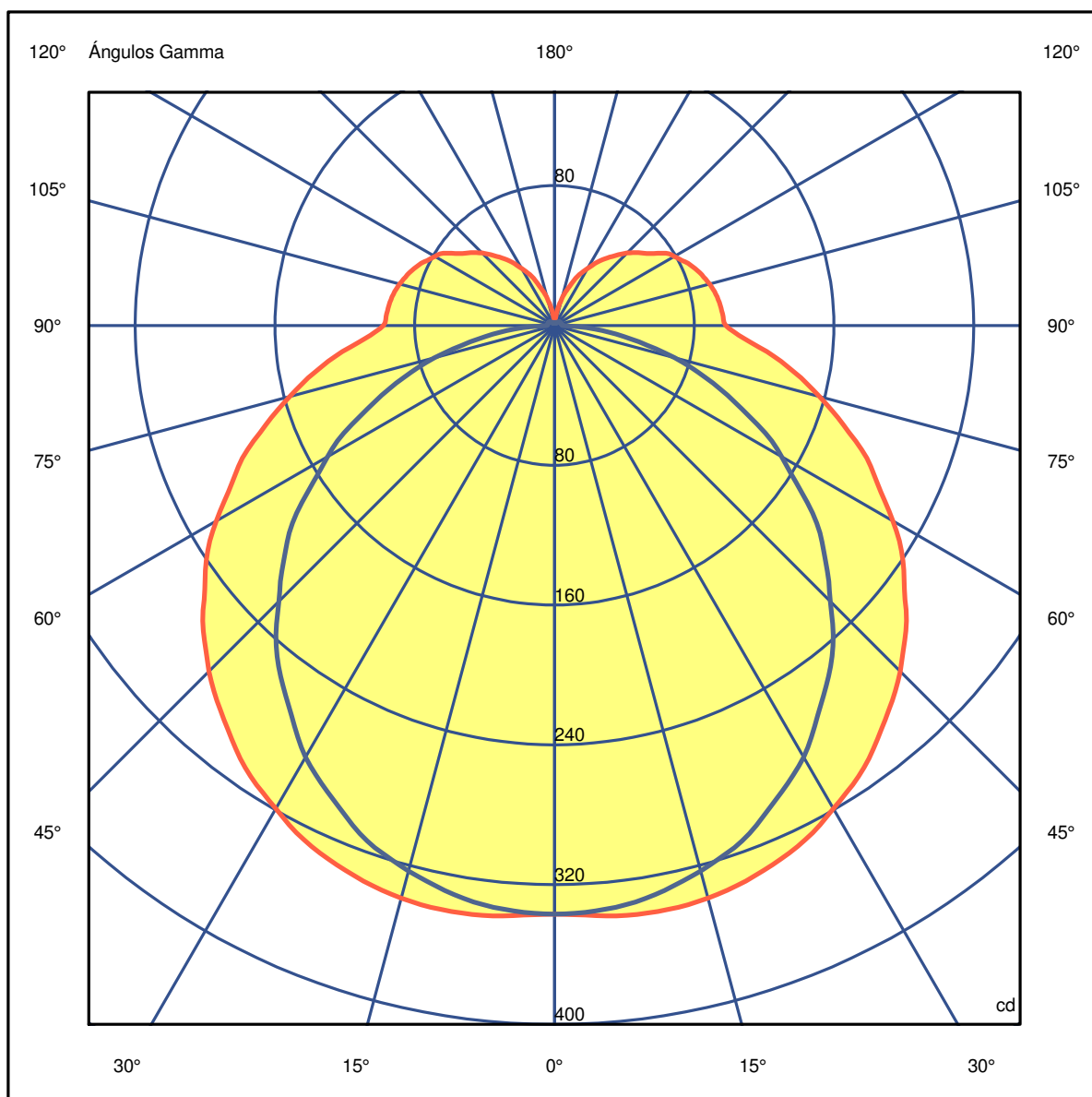
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1500mm x 500mm



Semiplanos C

180.0 — 0.0  
270.0 — 90.0



## Luminaria

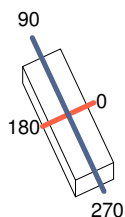
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Nombre I-LINE 150

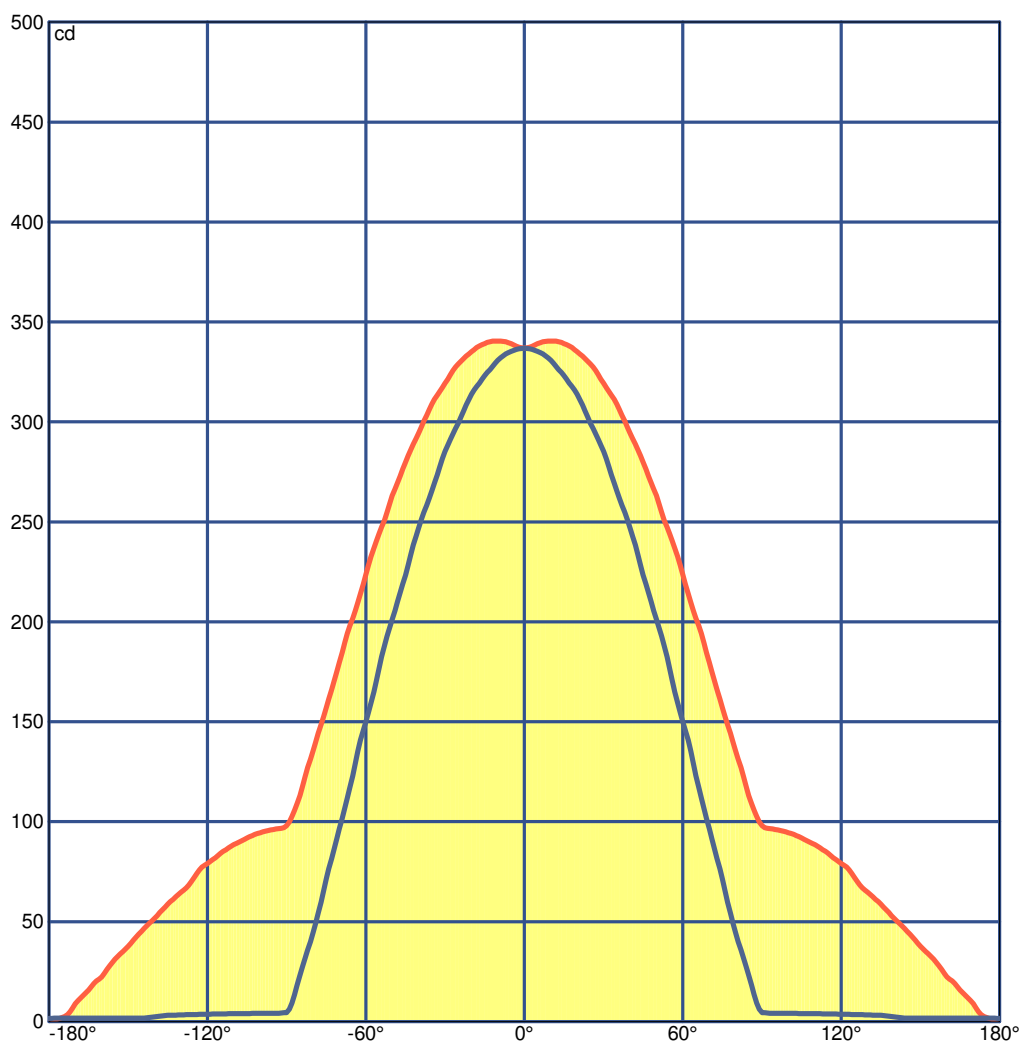
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1500mm x 500mm



Semiplanos C

180.0 ————— 0.0  
270.0 ————— 90.0



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Flujo Fuentes de luz	1456.49 lm	Valor Máximo	340.46 cd	Posición	C=0.00 G=10.00	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										
Mista Lateral						Vista Longitudinal				
x=2H y=2H	6.9	8.1	7.5	8.6	9.2	6.2	7.4	6.7	7.9	8.5
x=2H y=3H	8.7	9.8	9.3	10.4	11.0	7.5	8.6	8.1	9.2	9.8
x=2H y=4H	9.6	10.6	10.1	11.2	11.8	8.0	9.1	8.6	9.6	10.3
x=2H y=6H	10.3	11.3	10.9	11.9	12.5	8.4	9.3	9.0	9.9	10.6
x=2H y=8H	10.7	11.6	11.3	12.2	12.9	8.5	9.4	9.1	10.0	10.6
x=2H y=12H	11.0	11.9	11.6	12.5	13.2	8.5	9.4	9.1	10.0	10.7
x=4H y=2H	7.4	8.5	8.0	9.0	9.7	6.9	7.9	7.5	8.5	9.1
x=4H y=3H	9.4	10.3	10.1	10.9	11.6	8.4	9.3	9.0	9.9	10.6
x=4H y=4H	10.4	11.2	11.1	11.8	12.6	9.0	9.8	9.6	10.4	11.1
x=4H y=6H	11.4	12.1	12.0	12.7	13.5	9.4	10.1	10.1	10.8	11.5
x=4H y=8H	11.8	12.5	12.5	13.1	13.9	9.6	10.2	10.2	10.9	11.6
x=4H y=12H	12.2	12.8	12.9	13.5	14.3	9.7	10.2	10.3	10.9	11.7
x=8H y=4H	10.6	11.3	11.3	12.0	12.7	9.4	10.0	10.1	10.7	11.5
x=8H y=6H	11.8	12.3	12.5	13.0	13.8	10.0	10.5	10.7	11.2	12.0
x=8H y=8H	12.4	12.8	13.1	13.5	14.4	10.2	10.7	10.9	11.4	12.2
x=8H y=12H	12.9	13.3	13.7	14.1	14.9	10.4	10.8	11.1	11.5	12.3
x=12H y=4H	10.9	11.5	11.6	12.1	12.9	10.3	10.9	11.0	11.6	12.4
x=12H y=6H	12.0	12.5	12.7	13.2	14.0	10.8	11.3	11.5	12.0	12.8
x=12H y=8H	12.6	13.0	13.3	13.7	14.6	11.0	11.5	11.8	12.2	13.0

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Nombre I-LINE 150 3000 K

## Ensayo

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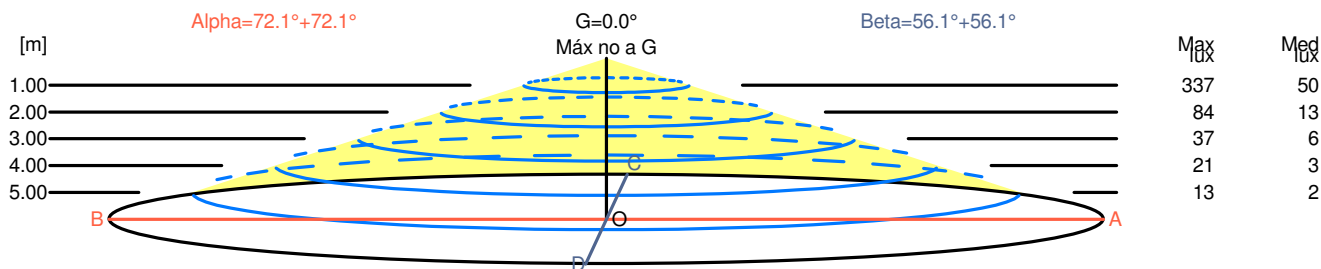
Nombre I-LINE 150

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Flujo Fuentes de luz	1456.49 lm	Valor Máximo	340.46 cd	Posición	C=0.00 G=10.00	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	3.09	6.18	9.27	12.36	15.45	OC	1.49	2.97	4.46	5.95	7.44
OB	3.09	6.18	9.27	12.36	15.45	OD	1.49	2.97	4.46	5.95	7.44

	Intensidades Luminosas [ cd ]									
	0	5	15	25	35	45	55	65	75	85
OA	336.89	339.08	339.18	328.96	308.84	279.81	244.03	201.79	156.86	113.04
OB	336.89	339.08	339.18	328.96	308.84	279.81	244.03	201.79	156.86	113.04
OC	336.89	335.28	323.11	299.46	265.44	223.31	176.65	123.00	71.21	23.17
OD	336.89	335.28	323.11	299.46	265.44	223.31	176.65	123.00	71.21	23.17



H[m]	D[m]	Max lux	Med lux	Alpha=72.1°+72.1°	G=0.0 Máx no a G
1.00	6.18	337	50		
2.00	12.36	84	13		
3.00	18.54	37	6		
4.00	24.72	21	3		
5.00	30.90	13	2		

H[m]	D[m]	Max lux	Med lux	Beta=56.1°+56.1°	G=0.0 Máx no a G
1.00	2.97	337	50		
2.00	5.95	84	13		
3.00	8.92	37	6		
4.00	11.90	21	3		
5.00	14.87	13	2		

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Flujo Total=1456.49 Flujo Luminaria=1456.49

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	0.26	0.33	0.40	0.47	0.52	0.61	0.67	0.71	0.77	0.80	0.89	0.94
RC	6	6	6	6	6	6	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

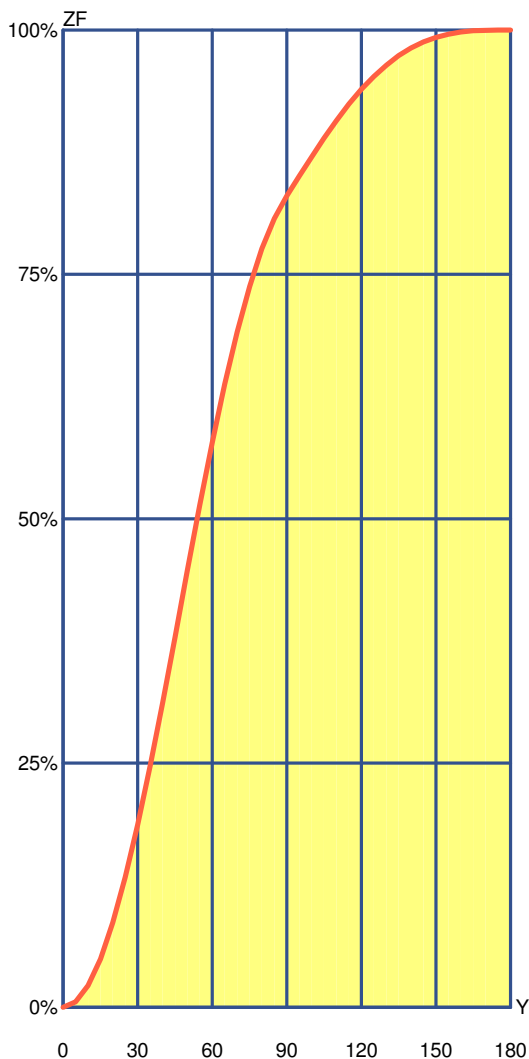
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	22	87	187	312	447	578	691	776	830	870	907	939	964	982	993	998	1000	1000

Códigos de Flujo C.I.E.

40 70 89 83 100

C.I.E. 6/6/6/6/6/6/7/7/7/7/7  
D DIN 5040 B21  
F UTE 0.83 G + 0.17 T  
B NBN BZ 5  
RN 16.96765 %  
BLF 1.0

LOR 100.00000 %  
ULOR 16.96765 %  
DLOR 83.03235 %  
UFF 16.96765 %  
DFF 83.03235 %  
FFR 20.43499 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.53	5.53	0.55 %	0.55 %
10°	16.55	22.09	1.66 %	2.21 %
15°	27.23	49.32	2.72 %	4.93 %
20°	37.27	86.59	3.73 %	8.66 %
25°	46.25	132.84	4.62 %	13.28 %
30°	53.98	186.82	5.40 %	18.68 %
35°	60.15	246.97	6.01 %	24.70 %
40°	64.60	311.57	6.46 %	31.16 %
45°	67.30	378.87	6.73 %	37.89 %
50°	67.97	446.84	6.80 %	44.68 %
55°	67.13	513.97	6.71 %	51.40 %
60°	63.96	577.93	6.40 %	57.79 %
65°	59.65	637.58	5.97 %	63.76 %
70°	53.43	691.02	5.34 %	69.10 %
75°	46.60	737.62	4.66 %	73.76 %
80°	38.62	776.23	3.86 %	77.62 %
85°	30.78	807.01	3.08 %	80.70 %
90°	23.31	830.32	2.33 %	83.03 %
95°	20.25	850.58	2.03 %	85.06 %
100°	19.76	870.34	1.98 %	87.03 %
105°	19.06	889.40	1.91 %	88.94 %
110°	18.08	907.48	1.81 %	90.75 %
115°	16.82	924.31	1.68 %	92.43 %
120°	15.09	939.40	1.51 %	93.94 %
125°	13.22	952.61	1.32 %	95.26 %
130°	11.46	964.08	1.15 %	96.41 %
135°	9.74	973.82	0.97 %	97.38 %
140°	7.98	981.80	0.80 %	98.18 %
145°	6.17	987.97	0.62 %	98.80 %
150°	4.61	992.58	0.46 %	99.26 %
155°	3.27	995.85	0.33 %	99.59 %
160°	2.12	997.98	0.21 %	99.80 %
165°	1.23	999.21	0.12 %	99.92 %
170°	0.58	999.78	0.06 %	99.98 %
175°	0.18	999.97	0.02 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Isolux (Suelo)

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

