

**Luminaria**

Código 2820  
Nombre CLASS

**Ensayo**

Código CL252A22F015G  
Nombre CLASS

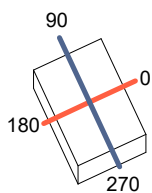
Flujo Luminaria	332.01 lm	Potencia Luminaria	3.50 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG	Asimétrico
Luminaria Rectangular		Longit.	130 mm	Anchura	92 mm	Altura	375 mm
Área Luminosa Rectangular		Longit.	82 mm	Anchura	82 mm	Altura	355 mm
Área Luminosa Horizontal		0.006724 m2		Área Emisión sobre Pl. 180°		0.029110 m2	
Área Emisión sobre Pl. 0°		0.029110 m2		Área Emisión sobre Pl. 270°		0.029110 m2	
Área Emisión sobre Pl. 90°		0.029110 m2		Área de deslumbramiento a 76°		0.029872 m2	
Sist. de Coord.		CG		Tipo de Simetría		Asimétrico	
Fecha		20-10-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		332.01 lm	
Operador		ASSELUM		Tensión Nominal		23.26 V	
Temperatura		25.10 °C		Corriente Nominal		0.15 A	
Humedad		63.50 %		Fotocélula		Czibula Grundmann	
Notas		RM22100303.1					

**Fuentes de luz de la Luminaria**

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	GW JTLPS1.CM	LED STRIP 2700K CRI90	332.01	3.50	1
C.I.E.	11 36 67 50 100	D DIN 5040	C11		
F UTE	--	B NBN	BZ 10		



130mm x 92mm



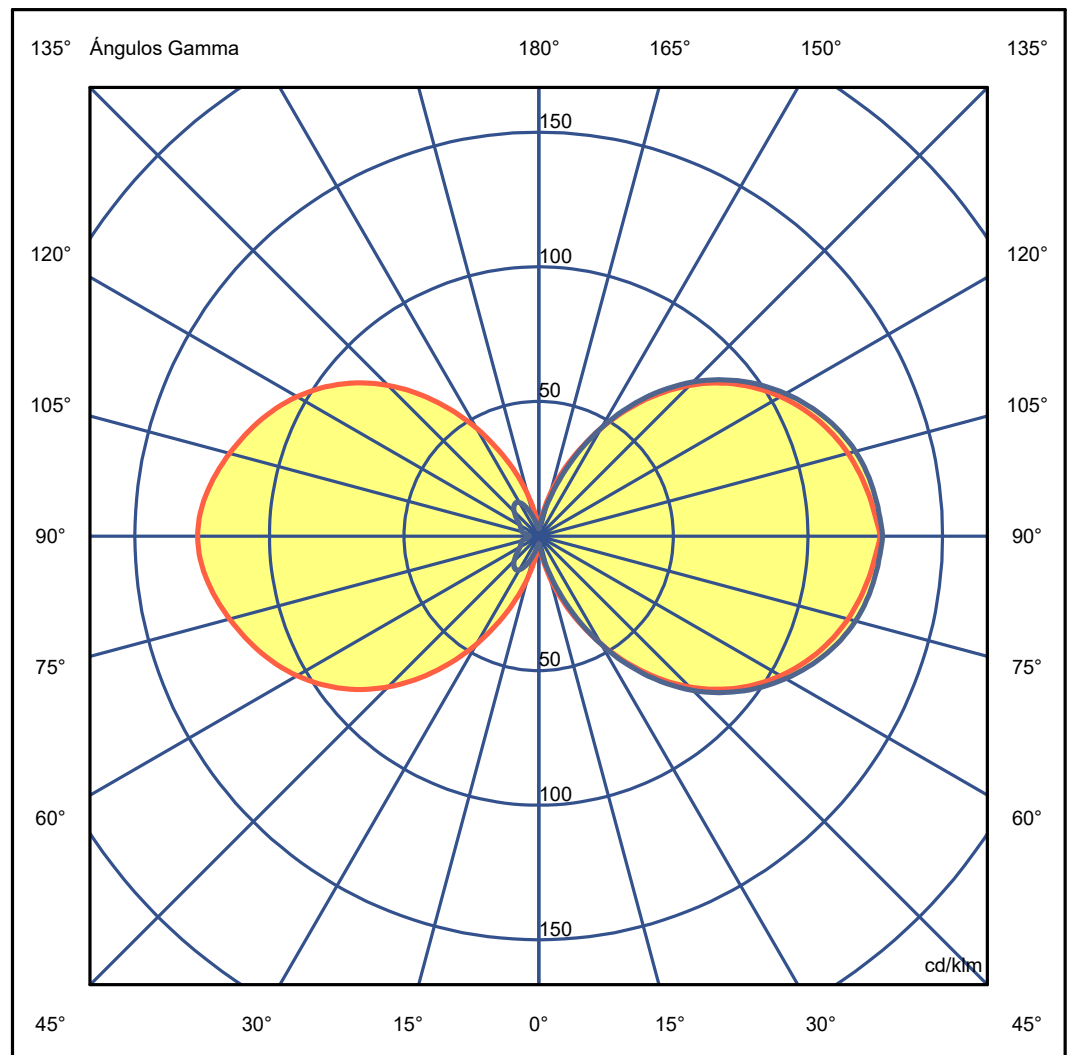
Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 50.00 %

DLOR 50.00 %

RN 50.00 %



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Flujo Luminaria	332.01 lm	Potencia Luminaria		3.50 W		Eficacia		94.86 lm/W		Eficiencia		100.00%	
Flujo Fuentes de luz	332.01 lm	Valor Máximo		129.48 cd/klm		Posición		C=60.00 G=90.00		CG Asimétrico			
Tabla de Intensidad Luminosa cd/klm								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	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
G 2.5	3.43	3.45	3.44	3.41	3.37	3.34	3.32	3.34	3.37	3.41	3.44	3.45	3.43
G 5.0	4.64	4.66	4.56	4.38	4.20	4.07	4.01	4.07	4.20	4.38	4.56	4.66	4.64
G 7.5	6.59	6.57	6.32	5.96	5.59	5.31	5.20	5.31	5.59	5.96	6.32	6.57	6.58
G 10.0	9.20	9.13	8.72	8.14	7.58	7.16	6.99	7.16	7.57	8.14	8.72	9.13	9.20
G 12.5	12.41	12.29	11.71	10.95	10.23	9.71	9.51	9.71	10.23	10.95	11.71	12.29	12.41
G 15.0	16.16	15.98	15.26	14.36	13.59	13.07	12.87	13.07	13.59	14.36	15.26	15.98	16.16
G 17.5	20.37	20.15	19.32	18.39	17.70	17.30	17.13	17.30	17.70	18.39	19.32	20.15	20.37
G 20.0	24.99	24.75	23.85	22.98	22.54	22.30	22.17	22.30	22.54	22.98	23.86	24.75	25.00
G 22.5	29.96	29.70	28.80	28.12	27.96	27.90	27.80	27.90	27.96	28.12	28.80	29.71	29.96
G 25.0	35.20	34.95	34.10	33.69	33.81	33.91	33.85	33.91	33.81	33.69	34.10	34.96	35.20
G 27.5	40.64	40.43	39.68	39.55	39.94	40.18	40.14	40.18	39.94	39.56	39.69	40.44	40.65
G 30.0	46.24	46.09	45.48	45.59	46.19	46.53	46.48	46.53	46.19	45.60	45.48	46.09	46.24
G 32.5	51.91	51.84	51.40	51.71	52.46	52.82	52.73	52.82	52.46	51.71	51.40	51.84	51.91
G 35.0	57.61	57.64	57.36	57.80	58.63	58.96	58.83	58.96	58.63	57.80	57.36	57.63	57.59
G 37.5	63.25	63.40	63.28	63.79	64.64	64.92	64.73	64.92	64.64	63.79	63.27	63.38	63.23
G 40.0	68.77	69.05	69.08	69.63	70.46	70.67	70.42	70.67	70.47	69.62	69.06	69.03	68.75
G 42.5	74.11	74.54	74.69	75.25	76.07	76.19	75.85	76.19	76.08	75.25	74.67	74.52	74.10
G 45.0	79.21	79.78	80.07	80.64	81.44	81.42	80.99	81.42	81.44	80.62	80.05	79.77	79.21
G 47.5	84.00	84.71	85.15	85.74	86.53	86.36	85.82	86.36	86.53	85.72	85.14	84.72	84.03
G 50.0	88.50	89.31	89.89	90.53	91.32	90.97	90.35	90.97	91.32	90.52	89.90	89.35	88.55
G 52.5	92.70	93.58	94.26	94.99	95.79	95.30	94.60	95.30	95.78	94.98	94.29	93.64	92.77
G 55.0	96.62	97.54	98.27	99.10	99.95	99.35	98.59	99.36	99.94	99.10	98.33	97.61	96.70
G 57.5	100.28	101.21	101.95	102.86	103.81	103.15	102.33	103.16	103.79	102.88	102.02	101.27	100.33
G 60.0	103.68	104.60	105.33	106.29	107.36	106.71	105.86	106.72	107.35	106.34	105.39	104.62	103.68
G 62.5	106.83	107.74	108.42	109.44	110.62	110.03	109.17	110.03	110.61	109.49	108.45	107.68	106.73
G 65.0	109.73	110.63	111.27	112.30	113.58	113.10	112.26	113.10	113.59	112.35	111.22	110.48	109.53
G 67.5	112.38	113.27	113.87	114.93	116.24	115.92	115.09	115.92	116.27	114.93	113.73	113.04	112.11
G 70.0	114.80	115.68	116.23	117.34	118.61	118.47	117.63	118.46	118.64	117.27	116.01	115.41	114.51
G 72.5	116.96	117.84	118.36	119.55	120.70	120.69	119.86	120.69	120.72	119.40	118.12	117.62	116.75
G 75.0	118.88	119.76	120.24	121.57	122.53	122.57	121.76	122.57	122.50	121.38	120.09	119.71	118.88
G 77.5	120.56	121.44	121.90	123.38	124.13	124.14	123.30	124.15	124.02	123.24	121.97	121.70	120.91
G 80.0	122.04	122.90	123.34	124.94	125.51	125.44	124.54	125.45	125.39	125.02	123.75	123.53	122.76
G 82.5	123.35	124.20	124.61	126.27	126.71	126.49	125.54	126.47	126.72	126.69	125.35	125.12	124.36
G 85.0	124.54	125.37	125.76	127.41	127.73	127.39	126.35	127.35	128.03	128.07	126.64	126.38	125.61
G 87.5	125.65	126.46	126.81	128.43	128.64	128.18	127.04	128.32	129.06	129.03	127.51	127.20	126.42
G 90.0	126.72	127.49	127.82	129.39	129.48	128.91	127.67	128.91	129.48	129.39	127.82	127.49	126.72
G 92.5	125.65	126.46	126.81	128.43	128.64	128.18	127.04	128.32	129.06	129.03	127.51	127.20	126.42
G 95.0	124.54	125.37	125.76	127.41	127.73	127.39	126.35	127.35	128.03	128.07	126.64	126.38	125.61
G 97.5	123.35	124.20	124.61	126.27	126.71	126.49	125.54	126.47	126.72	126.69	125.35	125.12	124.36
G100.0	122.04	122.90	123.34	124.94	125.51	125.44	124.54	125.45	125.39	125.02	123.75	123.53	122.76
G102.5	120.56	121.44	121.90	123.38	124.13	124.14	123.30	124.15	124.02	123.24	121.97	121.70	120.91
G105.0	118.88	119.76	120.24	121.57	122.53	122.57	121.76	122.57	122.50	121.38	120.09	119.71	118.88
G107.5	116.96	117.84	118.36	119.55	120.70	120.69	119.86	120.69	120.72	119.40	118.12	117.62	116.75
G110.0	114.80	115.68	116.23	117.34	118.61	118.47	117.63	118.46	118.64	117.27	116.01	115.41	114.51
G112.5	112.38	113.27	113.87	114.93	116.24	115.92	115.09	115.92	116.27	114.93	113.73	113.04	112.11
G115.0	109.73	110.63	111.27	112.30	113.58	113.10	112.26	113.10	113.59	112.35	111.22	110.48	109.53
G117.5	106.83	107.74	108.42	109.44	110.62	110.03	109.17	110.03	110.61	109.49	108.45	107.68	106.73
G120.0	103.68	104.60	105.33	106.29	107.36	106.71	105.86	106.72	107.35	106.34	105.39	104.62	103.68
G122.5	100.28	101.21	101.95	102.86	103.81	103.15	102.33	103.16	103.79	102.88	102.02	101.27	100.33
G125.0	96.62	97.54	98.27	99.10	99.95	99.35	98.59	99.36	99.94	99.10	98.33	97.61	96.70
G127.5	92.70	93.58	94.26	94.99	95.79	95.30	94.60	95.30	95.78	94.98	94.29	93.64	92.77
G130.0	88.50	89.31	89.89	90.53	91.32	90.97	90.35	90.97	91.32	90.52	89.90	89.35	88.55
G132.5	84.00	84.71	85.15	85.74	86.53	86.36	85.82	86.36	86.53	85.72	85.14	84.72	84.03
G135.0	79.21	79.78	80.07	80.64	81.44	81.42	80.99	81.42	81.44	80.62	80.05	79.77	79.21
G137.5	74.11	74.54	74.69	75.25	76.07	76.19	75.85	76.19	76.08	75.25	74.67	74.52	74.10
G140.0	68.77	69.05	69.08	69.63	70.46	70.67	70.42	70.67	70.47	69.62	69.06	69.03	68.75
G142.5	63.25	63.40	63.28	63.79	64.64	64.92	64.73	64.92	64.64	63.79	63.27	63.38	63.23
G145.0	57.61	57.64	57.36	57.80	58.63	58.96	58.83	58.96	58.63	57.80	57.36	57.63	57.59
G147.5	51.91	51.84	51.40	51.71	52.46	52.82	52.73	52.82	52.46	51.71	51.40	51.84	51.91
G150.0	46.24	46.09	45.48	45.59	46.19	46.53	46.48	46.53	46.19	45.60	45.48	46.09	46.24
G152.5	40.64	40.43	39.68	39.55	39.94	40.18	40.14	40.18	39.94	39.56	39.69	40.44	40.65
G155.0	35.20	34.95	34.10	33.69	33.81	33.91	33.85	33.91	33.81	33.69	34.10	34.96	35.20
G157.5	29.96	29.70	28.80	28.12	27.96	27.90	27.80	27.90	27.96	28.12	28.80	29.71	29.96
G160.0	24.99	24.75	23.85	22.98	22.54	22.30	22.17	22.30	22.54	22.98	23.86	24.75	25.00
G162.5	20.37	20.15	19.32	18.39	17.70	17.30	17.13	17.30	17.70	18.39	19.32	20.15	20.37
G165.0	16.16	15.98	15.26	14.36	13.59	13.07	12.87	13.07	13.59	14.36	15.26	15.98	16.16
G167.5	12.41	12.29	11.71	10.95	10.23	9.71	9.51	9.71	10.23	10.95	11.71	12.29	12.41
G170.0	9.20	9.13	8.72	8.14	7.58	7.16	6.99	7.16	7.57	8.14	8.72	9.13	9.20
G172.5	6.59	6.57	6.32	5.96	5.59	5.31	5.20	5.31	5.59	5.96	6.32	6.57	6.58
G175.0	4.64	4.66	4.56	4.38	4.20	4.07	4.01	4.07	4.20	4.38	4.56	4.66	4.64
G177.5	3.43	3.45	3.44	3.41	3.37	3.34	3.32	3.34	3.37	3.41	3.44	3.45	3.43
G180.0	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01

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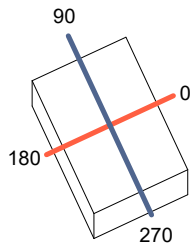
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Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG Asimétrico	

Tabla de Intensidad Luminosa cd/klm						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	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	
G 2.5	3.37	3.28	3.17	3.08	3.00	2.97	3.00	3.08	3.17	3.28	3.37	
G 5.0	4.49	4.22	3.87	3.54	3.30	3.20	3.30	3.54	3.87	4.22	4.49	
G 7.5	6.32	5.79	5.10	4.41	3.88	3.68	3.88	4.41	5.11	5.79	6.32	
G 10.0	8.80	7.96	6.84	5.66	4.75	4.40	4.75	5.66	6.84	7.97	8.80	
G 12.5	11.87	10.70	9.06	7.31	5.91	5.35	5.91	7.31	9.07	10.70	11.88	
G 15.0	15.48	13.96	11.78	9.35	7.35	6.54	7.35	9.35	11.78	13.96	15.48	
G 17.5	19.57	17.71	14.96	11.77	9.06	7.94	9.06	11.78	14.96	17.71	19.57	
G 20.0	24.08	21.92	18.61	14.59	10.98	9.45	10.98	14.59	18.61	21.92	24.08	
G 22.5	28.95	26.55	22.74	17.72	13.00	10.97	13.00	17.72	22.73	26.55	28.95	
G 25.0	34.13	31.59	27.31	21.10	15.04	12.38	15.04	21.10	27.30	31.58	34.12	
G 27.5	39.55	37.00	32.26	24.66	16.99	13.59	16.99	24.66	32.26	37.00	39.54	
G 30.0	45.16	42.76	37.51	28.26	18.77	14.47	18.77	28.26	37.51	42.76	45.15	
G 32.5	50.90	48.81	42.95	31.83	20.03	14.96	20.03	31.83	42.95	48.81	50.90	
G 35.0	56.72	55.06	48.43	35.17	20.98	15.07	20.98	35.17	48.43	55.07	56.73	
G 37.5	62.55	61.39	53.76	37.95	22.13	14.87	22.13	37.95	53.76	61.40	62.57	
G 40.0	68.34	67.65	58.78	40.83	23.07	14.41	23.07	40.83	58.78	67.67	68.36	
G 42.5	74.02	73.72	63.38	43.83	23.70	13.76	23.70	43.83	63.38	73.74	74.03	
G 45.0	79.50	79.46	67.62	46.72	24.37	12.96	24.37	46.71	67.62	79.47	79.51	
G 47.5	84.71	84.75	71.60	49.60	25.10	12.08	25.10	49.60	71.60	84.76	84.69	
G 50.0	89.58	89.49	75.32	52.73	25.92	11.16	25.92	52.73	75.33	89.48	89.54	
G 52.5	94.10	93.62	78.81	56.14	26.82	10.26	26.82	56.14	78.82	93.61	94.04	
G 55.0	98.26	97.21	82.19	59.77	27.79	9.41	27.79	59.78	82.19	97.20	98.19	
G 57.5	102.05	100.31	85.50	63.52	28.76	8.67	28.76	63.53	85.49	100.30	102.00	
G 60.0	105.50	102.95	88.72	67.14	29.54	8.08	29.53	67.15	88.69	102.94	105.48	
G 62.5	108.63	105.10	91.78	70.42	30.06	7.68	30.06	70.43	91.75	105.10	108.68	
G 65.0	111.47	106.73	94.65	73.24	30.22	7.41	30.22	73.23	94.61	106.74	111.61	
G 67.5	114.07	107.84	97.33	75.66	30.14	7.21	30.15	75.61	97.32	107.85	114.28	
G 70.0	116.45	108.47	99.80	77.81	30.03	7.02	30.04	77.76	99.85	108.49	116.70	
G 72.5	118.66	108.75	102.05	79.79	29.81	6.77	29.82	79.75	102.18	108.79	118.86	
G 75.0	120.72	108.87	104.12	81.61	29.78	6.39	29.78	81.65	104.28	108.90	120.76	
G 77.5	122.64	108.98	106.03	83.38	30.07	5.86	30.06	83.52	106.15	108.97	122.40	
G 80.0	124.37	109.21	107.84	85.08	30.72	5.22	30.70	85.24	107.76	109.09	123.81	
G 82.5	125.85	109.56	109.49	86.58	31.55	4.57	31.58	86.57	109.12	109.32	125.03	
G 85.0	126.99	109.92	110.87	87.83	32.33	4.00	32.39	87.45	110.26	109.61	126.10	
G 87.5	127.74	110.20	111.80	88.68	32.96	3.59	32.77	88.14	111.24	109.94	127.08	
G 90.0	128.00	110.31	112.15	88.99	33.22	3.44	33.22	88.99	112.15	110.31	128.00	
G 92.5	127.74	110.20	111.80	88.68	32.96	3.59	32.77	88.14	111.24	109.94	127.08	
G 95.0	126.99	109.92	110.87	87.83	32.33	4.00	32.39	87.45	110.26	109.61	126.10	
G 97.5	125.85	109.56	109.49	86.58	31.55	4.57	31.58	86.57	109.12	109.32	125.03	
G100.0	124.37	109.21	107.84	85.08	30.72	5.22	30.70	85.24	107.76	109.09	123.81	
G102.5	122.64	108.98	106.03	83.38	30.07	5.86	30.06	83.52	106.15	108.97	122.40	
G105.0	120.72	108.87	104.12	81.61	29.78	6.39	29.78	81.65	104.28	108.90	120.76	
G107.5	118.66	108.75	102.06	79.79	29.81	6.77	29.82	79.75	102.18	108.79	118.86	
G110.0	116.45	108.47	99.80	77.81	30.03	7.02	30.04	77.76	99.85	108.49	116.70	
G112.5	114.07	107.84	97.33	75.66	30.14	7.21	30.15	75.61	97.32	107.85	114.28	
G115.0	111.47	106.73	94.64	73.24	30.22	7.41	30.22	73.23	94.61	106.74	111.61	
G117.5	108.63	105.10	91.76	70.42	30.06	7.68	30.06	70.43	91.73	105.10	108.68	
G120.0	105.50	102.95	88.69	67.14	29.54	8.08	29.53	67.15	88.67	102.94	105.48	
G122.5	102.05	100.31	85.48	63.52	28.76	8.67	28.76	63.53	85.47	100.30	102.00	
G125.0	98.26	97.21	82.18	59.78	27.79	9.41	27.79	59.78	82.18	97.20	98.19	
G127.5	94.10	93.62	78.82	56.13	26.82	10.26	26.82	56.14	78.83	93.61	94.04	
G130.0	89.58	89.49	75.32	52.74	25.92	11.16	25.92	52.74	75.33	89.48	89.54	
G132.5	84.71	84.75	71.59	49.56	25.09	12.08	25.09	49.56	71.60	84.76	84.69	
G135.0	79.50	79.46	67.62	46.54	24.40	12.96	24.40	46.54	67.62	79.47	79.51	
G137.5	74.02	73.72	63.38	43.59	23.44	13.76	23.44	43.59	63.39	73.74	74.03	
G140.0	68.34	67.65	58.78	40.72	22.49	14.41	22.49	40.71	58.78	67.67	68.36	
G142.5	62.55	61.39	53.76	37.97	21.66	14.87	21.66	37.97	53.76	61.40	62.57	
G145.0	56.72	55.06	48.43	35.17	20.87	15.07	20.87	35.16	48.43	55.07	56.73	
G147.5	50.90	48.81	42.95	31.83	20.05	14.96	20.05	31.83	42.95	48.81	50.90	
G150.0	45.16	42.76	37.51	28.27	18.77	14.47	18.77	28.27	37.51	42.76	45.15	
G152.5	39.55	37.00	32.26	24.66	16.99	13.59	16.99	24.66	32.26	37.00	39.54	
G155.0	34.13	31.59	27.31	21.10	15.04	12.38	15.04	21.10	27.30	31.58	34.12	
G157.5	28.95	26.55	22.74	17.72	13.00	10.97	13.00	17.72	22.73	26.55	28.95	
G160.0	24.08	21.92	18.61	14.59	10.98	9.45	10.98	14.59	18.61	21.92	24.08	
G162.5	19.57	17.71	14.96	11.77	9.06	7.94	9.06	11.78	14.96	17.71	19.57	
G165.0	15.48	13.96	11.78	9.35	7.35	6.54	7.35	9.35	11.78	13.96	15.48	
G167.5	11.87	10.70	9.06	7.31	5.91	5.35	5.91	7.31	9.07	10.70	11.88	
G170.0	8.80	7.96	6.84	5.66	4.75	4.40	4.75	5.66	6.84	7.97	8.80	
G172.5	6.32	5.79	5.10	4.41	3.88	3.68	3.88	4.41	5.11	5.79	6.32	
G175.0	4.49	4.22	3.87	3.54	3.30	3.20	3.30	3.54	3.87	4.22	4.49	
G177.5	3.37	3.28	3.17	3.08	3.00	2.97	3.00	3.08	3.17	3.28	3.37	
G180.0	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	

**Luminaria**  
Código 2820  
Nombre CLASS  
**Ensayo**  
Código CL252A22F015G  
Nombre CLASS

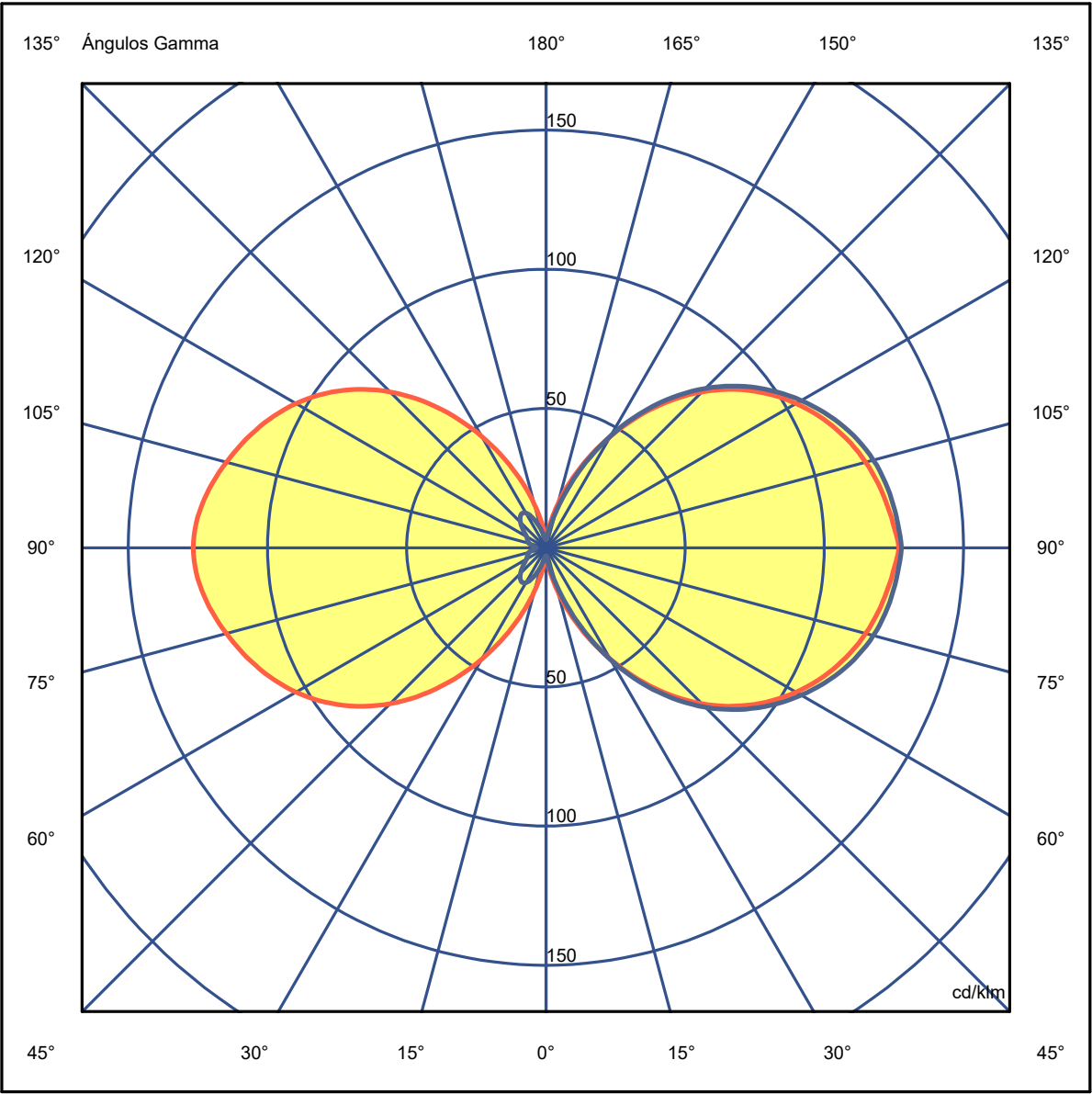
Flujo Luminaria	332.01 lm	Potencia Luminaria	3.50 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG	Asimétrico

130mm x 92mm



Semiplanos C

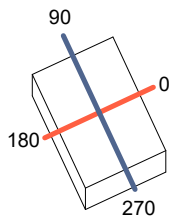
180.0 ————— 0.0  
270.0 ————— 90.0



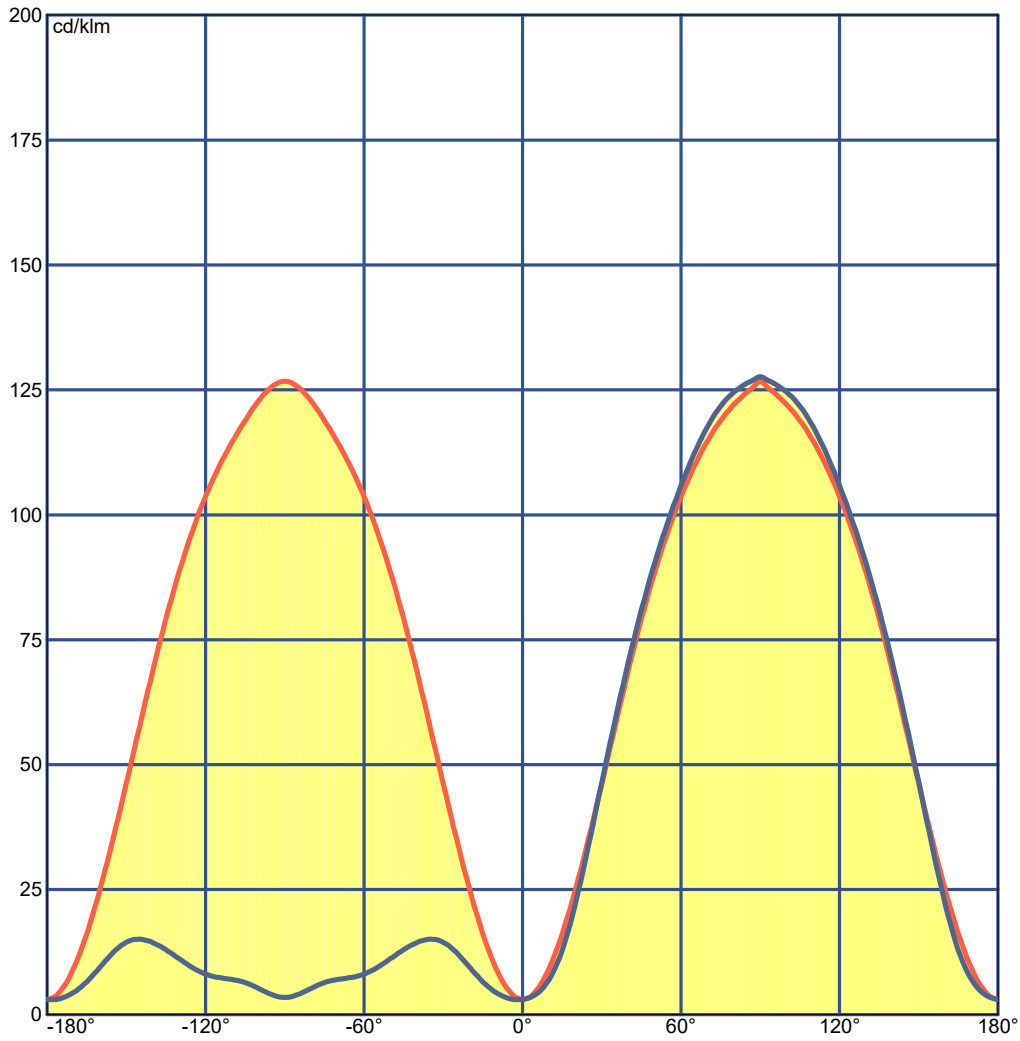
**Luminaria**  
Código 2820  
Nombre CLASS  
**Ensayo**  
Código CL252A22F015G  
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Flujo Luminaria	332.01 lm	Potencia Luminaria	3.50 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG	Asimétrico

130mm x 92mm



Semiplanos C  
180.0 ————— 0.0  
270.0 ————— 90.0



**Luminaria**

Código 2820  
Nombre CLASS

**Ensayo**

Código CL252A22F015G  
Nombre CLASS

Flujo Luminaria	332.01 lm	Potencia Luminaria	3.50 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG	Asimétrico

**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	9.6	10.6	10.5	11.6	12.8	3.5	4.5	4.4	5.4	6.6
x=2H y=3H	12.6	13.5	13.5	14.5	15.7	4.5	5.5	5.4	6.4	7.6
x=2H y=4H	14.1	15.0	15.0	15.9	17.2	4.8	5.7	5.7	6.6	7.9
x=2H y=6H	15.6	16.4	16.5	17.4	18.6	4.9	5.7	5.8	6.7	7.9
x=2H y=8H	16.3	17.1	17.2	18.0	19.3	4.9	5.7	5.8	6.7	7.9
x=2H y=12H	17.0	17.7	17.9	18.7	20.0	4.9	5.6	5.8	6.6	7.9
x=4H y=2H	10.3	11.2	11.2	12.2	13.4	6.6	7.5	7.6	8.5	9.7
x=4H y=3H	13.4	14.2	14.4	15.2	16.4	8.5	9.3	9.5	10.3	11.6
x=4H y=4H	15.0	15.7	16.0	16.7	18.0	9.2	9.9	10.2	10.9	12.2
x=4H y=6H	16.7	17.3	17.7	18.3	19.6	9.6	10.2	10.6	11.3	12.6
x=4H y=8H	17.5	18.1	18.5	19.1	20.4	9.7	10.3	10.7	11.3	12.6
x=4H y=12H	18.3	18.9	19.3	19.9	21.2	9.7	10.2	10.7	11.2	12.6
x=8H y=4H	15.4	16.0	16.4	17.0	18.4	11.2	11.8	12.2	12.8	14.1
x=8H y=6H	17.3	17.8	18.3	18.8	20.2	12.3	12.8	13.4	13.9	15.2
x=8H y=8H	18.3	18.7	19.3	19.8	21.1	12.7	13.2	13.8	14.2	15.6
x=8H y=12H	19.3	19.7	20.3	20.7	22.1	12.9	13.3	14.0	14.4	15.8
x=12H y=4H	16.1	16.6	17.1	17.6	19.0	14.0	14.6	15.0	15.6	16.9
x=12H y=6H	17.8	18.2	18.8	19.3	20.6	14.8	15.2	15.8	16.2	17.6
x=12H y=8H	18.7	19.1	19.8	20.2	21.6	15.2	15.5	16.2	16.6	18.0

**Luminaria**

Código 2820  
Nombre CLASS

**Ensayo**

Código CL252A22F015G  
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Flujo Luminaria	332.01 lm	Potencia Luminaria	3.50 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	332.01 lm	Valor Máximo	129.48 cd/klm	Posición	C=60.00 G=90.00	CG Asimétrico	

Flujo Total=332.01 Flujo Luminaria=332.01

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	0.06	0.11	0.16	0.21	0.26	0.35	0.41	0.46	0.54	0.60	0.74	0.84
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)	1	4	19	50	104	179	274	383	500	617	726	821	896	950	981	996	999	1000

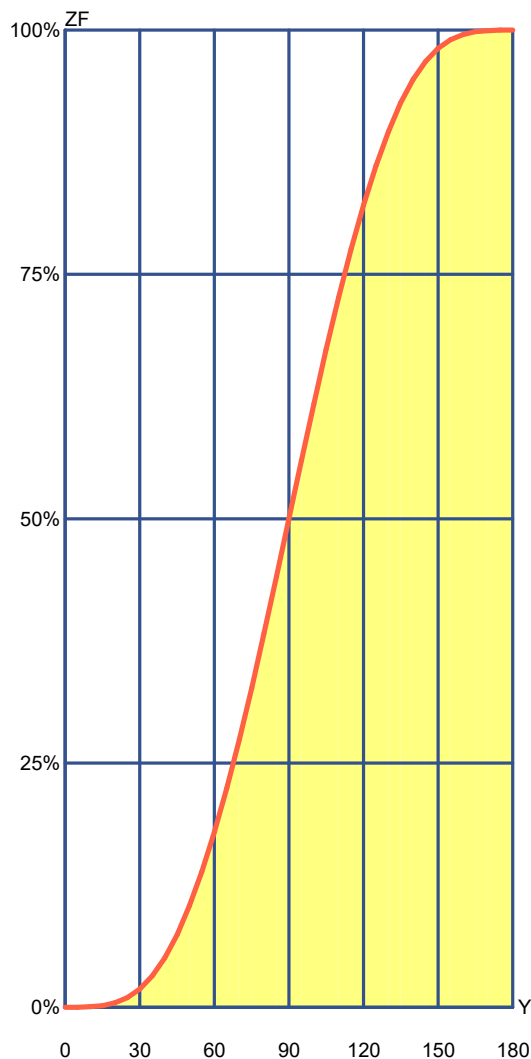
Códigos de Flujo C.I.E.

11 36 67 50 100

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

-/-/-/-/-/-/-/-/-/-/  
C11  
--  
BZ 10  
49.99850 %  
1.0

LOR 100.00000 %  
ULOR 49.99850 %  
DLOR 50.00150 %  
UFF 49.99850 %  
DFF 50.00150 %  
FFR 99.99401 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.09	0.09	0.01 %	0.01 %
10°	0.41	0.50	0.04 %	0.05 %
15°	1.21	1.71	0.12 %	0.17 %
20°	2.77	4.49	0.28 %	0.45 %
25°	5.30	9.79	0.53 %	0.98 %
30°	8.85	18.63	0.88 %	1.86 %
35°	13.29	31.92	1.33 %	3.19 %
40°	18.39	50.31	1.84 %	5.03 %
45°	23.89	74.20	2.39 %	7.42 %
50°	29.53	103.74	2.95 %	10.37 %
55°	35.09	138.83	3.51 %	13.88 %
60°	40.39	179.22	4.04 %	17.92 %
65°	45.25	224.47	4.52 %	22.45 %
70°	49.46	273.93	4.95 %	27.39 %
75°	52.96	326.89	5.30 %	32.69 %
80°	55.79	382.68	5.58 %	38.27 %
85°	57.97	440.65	5.80 %	44.07 %
90°	59.36	500.01	5.94 %	50.00 %
95°	59.36	559.38	5.94 %	55.94 %
100°	57.97	617.35	5.80 %	61.73 %
105°	55.79	673.14	5.58 %	67.31 %
110°	52.96	726.10	5.30 %	72.61 %
115°	49.46	775.56	4.95 %	77.56 %
120°	45.25	820.81	4.52 %	82.08 %
125°	40.39	861.20	4.04 %	86.12 %
130°	35.09	896.29	3.51 %	89.63 %
135°	29.53	925.82	2.95 %	92.58 %
140°	23.88	949.70	2.39 %	94.97 %
145°	18.38	968.08	1.84 %	96.81 %
150°	13.29	981.37	1.33 %	98.14 %
155°	8.85	990.21	0.88 %	99.02 %
160°	5.30	995.51	0.53 %	99.55 %
165°	2.77	998.29	0.28 %	99.83 %
170°	1.21	999.50	0.12 %	99.95 %
175°	0.41	999.91	0.04 %	99.99 %
180°	0.09	1000.00	0.01 %	100.00 %

**Luminaria**

Código 2820  
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Código CL252A22F015G  
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Isolux (Suelo)

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

