

LEDS C4[®]

Luminaria

Código 00-6306-21-14
Nombre VOILES

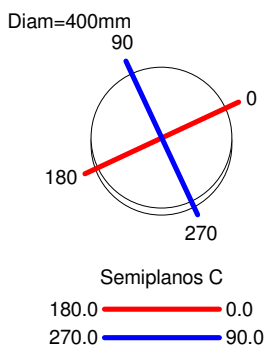
Ensayo

Código 00-6306-21-14
Nombre VOILES

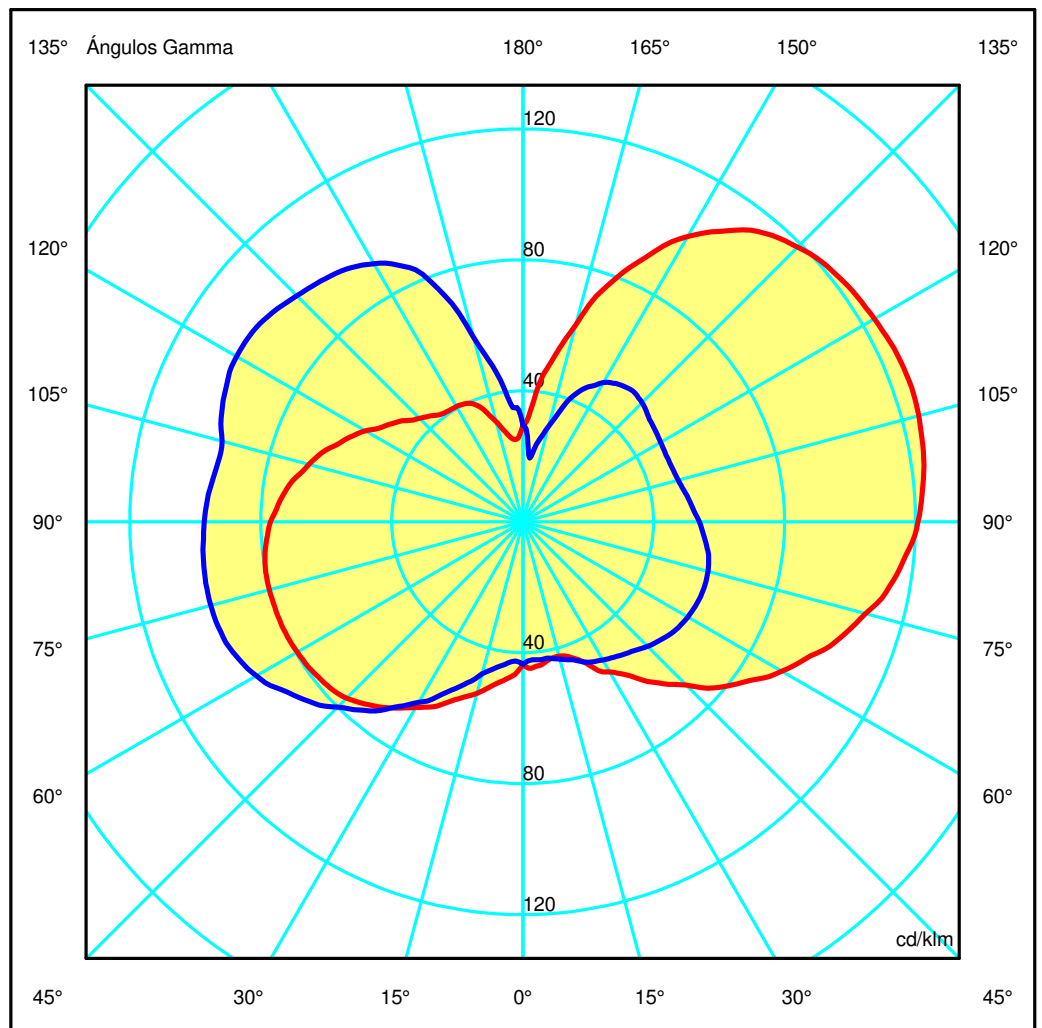
Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico
Luminaria Redonda		Diam.	400 mm	Altura	600 mm		
Área Luminosa Redonda		Diam.	400 mm	Altura	600 mm		
Área Luminosa Horizontal		0.125664 m2		Área Emisión sobre Pl. 180°		0.240000 m2	
Área Emisión sobre Pl. 0°		0.240000 m2		Área Emisión sobre Pl. 270°		0.240000 m2	
Área Emisión sobre Pl. 90°		0.240000 m2		Área de deslumbramiento a 76°		0.263272 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Asimétrico	
Fecha		09-05-2018		Máximo Ángulo Gamma		180	
Distancia de Ensayo		0.00		Flujo de Ensayo		2618.72 lm	
Operador		LEDS		Tensión de alimentación [V]			
Temperatura		25.00 °C		Corriente de alimentación [A]			
Humedad		60.00 %		Fotocélula			
Notas							

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	00-6307-21-14U	00-6307-21-14U	2618.72	33.00	1
C.I.E.	18 43 71 48 100	D DIN 5040	C12		
F UTE	0.48 J + 0.52 T	B NBN	BZ 9		



ULOR 51.91 %
DLOR 48.09 %
RN 51.91 %



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Ensayo
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Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	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	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46
G 2.5	44.82	42.93	42.15	41.67	41.92	41.89	42.42	42.99	43.60	44.77	45.09	45.62	46.25
G 5.0	44.35	41.62	41.61	41.39	41.61	41.95	42.27	43.13	43.86	45.04	45.50	45.89	47.73
G 7.5	43.96	41.42	41.27	41.28	41.55	41.97	42.41	43.13	44.19	45.38	45.86	46.67	49.09
G 10.0	43.06	41.52	41.22	41.50	41.54	42.16	42.29	43.90	44.45	46.23	46.56	48.26	50.50
G 12.5	42.51	41.85	41.42	41.95	41.97	42.46	42.76	44.47	45.35	47.00	47.43	49.40	52.32
G 15.0	42.48	42.78	41.86	42.84	42.46	43.08	43.37	45.30	45.95	47.71	48.51	50.64	54.22
G 17.5	42.99	43.80	42.93	43.97	42.97	43.84	44.12	46.01	47.15	48.70	49.52	51.90	55.80
G 20.0	44.17	45.67	44.68	44.93	43.74	44.96	44.84	47.32	47.83	49.86	50.87	53.84	57.46
G 22.5	45.82	47.40	45.75	46.24	45.00	46.40	46.05	48.33	48.84	51.57	52.42	55.23	59.59
G 25.0	48.35	49.20	46.75	48.30	47.53	47.68	47.28	49.01	49.96	52.84	54.70	56.79	62.06
G 27.5	51.47	50.72	48.16	51.02	48.99	48.73	48.00	49.57	51.03	53.89	56.30	59.01	63.79
G 30.0	52.89	52.50	50.04	53.31	50.56	49.72	48.69	50.33	51.71	54.88	57.71	61.87	65.45
G 32.5	54.92	54.49	52.83	55.49	52.05	50.81	49.39	51.06	52.49	56.51	59.19	64.83	67.36
G 35.0	57.47	57.60	55.60	57.77	54.12	51.78	50.12	51.85	53.46	57.77	61.40	67.63	69.40
G 37.5	61.16	60.13	59.30	60.96	55.60	52.73	50.90	52.68	54.90	59.26	63.12	70.65	71.27
G 40.0	64.18	63.34	62.78	63.36	57.01	53.78	51.68	54.19	55.78	60.59	65.18	73.57	72.99
G 42.5	67.34	66.75	65.99	66.05	58.57	55.13	52.68	54.96	56.68	62.19	67.11	75.72	74.65
G 45.0	70.51	72.06	69.27	68.66	60.60	56.19	53.79	55.57	57.44	63.25	69.46	77.53	76.14
G 47.5	75.17	75.56	73.66	72.36	62.29	57.26	54.76	56.13	58.34	64.13	71.23	79.26	77.19
G 50.0	78.52	79.50	77.47	75.38	64.00	58.25	55.57	56.75	58.84	64.92	72.93	80.52	77.85
G 52.5	81.59	83.38	81.29	78.22	65.93	59.55	56.55	57.12	59.25	65.89	74.55	81.47	78.37
G 55.0	84.51	88.71	84.89	81.25	68.15	60.51	57.21	57.36	59.53	66.51	76.67	82.26	78.89
G 57.5	88.32	92.73	89.45	85.22	70.06	61.44	57.74	57.55	59.80	67.07	77.96	82.93	79.27
G 60.0	91.27	96.30	93.45	88.05	71.87	62.35	58.15	57.68	59.88	67.57	79.18	83.41	79.59
G 62.5	94.20	100.05	96.86	90.78	73.81	63.45	58.51	57.67	59.90	68.12	80.12	83.71	79.85
G 65.0	96.91	104.88	100.53	93.41	76.24	64.15	58.76	57.59	59.78	68.55	81.32	83.93	80.05
G 67.5	100.61	108.15	104.77	96.84	78.01	64.70	58.88	57.43	59.51	68.88	82.01	84.11	80.12
G 70.0	103.26	111.48	108.19	99.42	79.90	65.12	58.92	57.06	59.19	69.13	82.52	84.15	80.14
G 72.5	105.85	114.73	111.21	101.78	81.66	65.70	58.80	56.67	58.82	69.37	82.81	84.12	80.16
G 75.0	108.30	118.41	113.96	103.92	83.50	65.97	58.52	56.20	58.35	69.47	82.96	83.99	80.17
G 77.5	111.53	121.11	117.31	106.69	84.89	66.32	58.14	55.65	57.60	69.46	82.92	83.73	80.10
G 80.0	113.75	123.55	119.60	108.46	86.22	66.57	57.60	54.64	56.92	69.26	82.68	83.41	79.89
G 82.5	115.72	125.68	121.57	110.15	87.50	67.00	56.65	53.66	56.26	68.92	82.31	83.01	79.45
G 85.0	117.42	127.97	123.25	111.56	88.70	67.21	55.69	52.28	55.44	68.54	81.51	82.49	78.77
G 87.5	119.46	129.32	125.38	113.25	89.48	67.54	54.79	50.40	54.39	68.03	80.76	81.66	77.98
G 90.0	120.72	130.63	126.90	114.12	90.15	67.84	53.94	48.52	53.61	67.39	79.92	80.71	77.09
G 92.5	121.76	131.86	128.19	114.81	90.88	68.36	52.80	46.69	52.78	66.44	78.98	79.55	75.63
G 95.0	122.61	133.14	129.24	115.29	91.64	68.72	51.92	44.96	51.93	65.57	77.52	78.28	74.43
G 97.5	123.55	133.90	130.50	115.74	92.17	68.94	51.18	42.98	50.83	64.60	76.27	76.74	73.07
G100.0	124.19	134.59	131.42	116.02	92.62	69.29	50.48	40.90	49.93	63.35	74.88	75.04	71.55
G102.5	124.71	135.05	132.14	116.19	93.10	69.54	49.70	39.29	49.00	61.94	73.45	73.45	69.41
G105.0	125.20	135.37	132.66	116.30	93.52	69.89	49.18	37.60	48.01	60.59	71.34	71.70	67.67
G107.5	125.57	135.42	133.04	116.23	93.73	70.08	48.77	35.83	46.72	59.26	69.61	69.36	65.97
G110.0	125.61	135.42	133.10	116.07	93.82	70.41	48.50	34.40	45.65	57.75	67.77	67.38	64.07
G112.5	125.43	135.19	133.02	115.71	93.80	70.60	48.34	33.56	44.54	55.84	65.87	65.29	61.57
G115.0	125.13	134.81	132.76	115.18	93.70	70.81	48.32	33.00	43.37	54.30	63.22	63.15	59.74
G117.5	124.55	134.29	131.44	114.35	93.50	70.86	48.44	32.80	41.85	52.57	61.11	60.27	57.68
G120.0	124.02	133.74	130.01	113.53	93.21	70.85	48.60	33.09	40.65	50.29	58.83	58.02	55.60
G122.5	123.47	132.91	128.43	112.58	92.74	70.78	48.89	33.81	39.50	48.54	56.65	55.72	52.99
G125.0	122.94	131.72	126.73	111.41	92.09	70.75	49.19	34.90	38.19	46.66	53.57	53.54	51.25
G127.5	122.17	130.35	124.20	109.68	91.40	70.54	49.55	36.46	36.84	44.84	51.31	51.04	49.62
G130.0	121.38	128.39	122.09	108.02	90.58	70.02	50.04	37.75	36.44	42.55	49.23	49.00	48.05
G132.5	120.34	125.88	119.81	106.20	89.53	69.58	50.90	39.00	36.73	41.15	47.08	47.15	46.01
G135.0	118.67	122.57	117.50	104.01	88.18	68.96	51.46	40.11	37.20	40.10	44.74	45.80	44.76
G137.5	117.07	119.58	113.80	100.41	86.68	68.14	51.94	41.12	37.80	39.29	43.26	44.29	43.55
G140.0	115.10	116.30	110.84	97.64	84.47	66.99	52.19	41.57	38.06	38.51	42.17	43.19	42.41
G142.5	112.41	111.99	107.48	94.70	81.71	64.62	51.84	41.55	37.98	37.79	41.17	42.10	41.38
G145.0	108.50	107.19	104.05	91.56	78.97	62.66	51.28	41.25	37.62	36.59	39.84	40.81	40.94
G147.5	104.86	102.94	98.94	86.98	76.95	60.90	50.39	40.49	36.92	35.20	38.28	38.87	40.76
G150.0	100.58	98.28	94.77	83.15	74.46	59.35	49.13	39.57	35.97	33.07	36.50	37.30	40.66
G152.5	95.88	92.42	90.50	79.49	71.72	56.96	46.94	38.22	34.84	31.57	34.52	35.36	40.42
G155.0	89.24	85.96	86.06	75.04	68.58	54.78	45.14	35.89	32.87	30.16	32.87	33.68	39.97
G157.5	83.71	80.18	78.96	68.73	65.23	51.56	42.30	31.90	30.50	28.77	31.37	31.16	38.95
G160.0	77.32	73.90	73.43	63.30	61.40	47.08	38.72	28.57	28.50	26.98	29.90	29.52	37.08
G162.5	70.95	66.13	67.58	57.07	54.66	41.76	33.75	25.91	26.49	25.63	27.90	27.88	34.23
G165.0	62.32	58.47	61.63	50.65	49.53	36.92	30.20	23.26	24.39	23.84	26.04	26.12	31.85
G167.5	55.77	51.63	52.81	43.64	44.35	32.46	26.82	20.42	22.29	22.07	24.23	23.63	29.30
G170.0	49.57	45.66	46.87	39.03	39.18	27.56	24.04	19.50	20.97	19.95	22.35	22.21	27.26
G172.5	44.36	38.62	41.59	32.93	33.39	22.72	20.60	19.75	19.79	20.51	20.98	21.59	25.69
G175.0	36.95	32.14	35.41	28.11	26.85	25.14	20.46	23.95	21.06	22.48	21.46	21.70	25.28
G177.5	31.24	28.30	28.72	27.30	27.04	29.83	27.46	30.85	26.07	25.92	23.64	25.05	26.17
G180.0	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49

Luminaria

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 Nombre VOILES

Ensayo

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Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	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	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46	43.46
G 2.5	45.35	44.44	42.51	43.00	42.46	42.62	42.71	42.98	43.72	44.08	44.83
G 5.0	46.40	46.24	43.66	43.78	42.91	42.98	42.69	42.88	43.36	43.75	44.48
G 7.5	48.11	48.29	45.24	45.62	43.81	43.96	42.82	43.08	43.19	43.52	44.19
G 10.0	49.27	50.63	46.97	47.52	45.03	45.03	43.19	43.43	42.97	43.54	44.11
G 12.5	50.93	52.78	49.21	49.38	46.47	46.40	44.23	43.99	43.30	43.77	44.38
G 15.0	52.78	54.78	52.19	51.73	48.17	48.07	45.33	45.24	43.97	44.56	44.86
G 17.5	55.33	56.74	54.49	54.98	50.76	50.64	46.82	46.51	44.76	45.89	45.52
G 20.0	57.17	59.04	56.65	57.28	53.49	52.91	48.45	48.09	46.03	47.51	46.52
G 22.5	59.21	61.80	59.75	59.50	56.07	55.39	51.00	50.03	47.39	49.01	48.70
G 25.0	61.24	64.05	62.06	61.96	58.49	58.00	53.26	52.86	48.98	50.91	50.63
G 27.5	64.12	66.24	64.37	65.48	61.36	61.42	55.88	55.36	50.93	53.10	52.52
G 30.0	66.16	68.33	66.48	67.90	64.07	63.58	58.60	58.00	53.94	55.00	54.16
G 32.5	67.84	70.90	69.16	70.03	66.75	66.39	61.92	60.61	56.49	57.89	57.34
G 35.0	69.29	72.47	71.37	72.31	69.45	69.21	64.16	63.89	59.03	61.81	60.15
G 37.5	70.98	73.96	73.28	74.99	72.51	72.69	66.80	66.43	61.82	65.35	62.96
G 40.0	72.01	75.15	75.03	77.04	75.08	75.18	69.45	69.02	65.56	68.82	66.07
G 42.5	72.94	76.24	76.92	78.79	77.45	77.59	72.70	71.63	68.40	72.13	70.72
G 45.0	73.73	76.69	78.17	80.38	79.83	79.99	75.12	74.57	70.91	76.05	74.16
G 47.5	74.88	77.04	79.21	82.10	82.80	83.16	77.54	76.87	73.58	79.48	77.69
G 50.0	75.76	77.33	80.03	83.31	85.02	85.27	80.32	78.93	76.45	82.04	81.10
G 52.5	76.62	77.80	80.86	84.43	87.10	87.46	83.33	80.99	78.40	85.01	85.75
G 55.0	77.84	78.11	81.35	85.59	88.97	89.57	85.59	82.39	80.16	87.78	88.91
G 57.5	78.72	78.46	81.74	86.94	91.15	92.33	87.41	83.39	81.83	90.46	92.16
G 60.0	79.62	78.97	82.04	87.93	92.73	93.98	89.13	84.34	83.72	92.09	95.34
G 62.5	80.86	79.90	82.34	88.82	94.05	95.55	90.46	85.67	85.06	94.54	99.37
G 65.0	82.02	80.44	82.49	89.73	95.46	96.68	91.44	86.54	86.31	96.43	102.17
G 67.5	82.34	80.91	82.56	90.75	96.97	97.77	92.30	87.42	87.68	99.06	105.18
G 70.0	82.56	81.26	82.59	91.18	97.82	98.22	93.20	88.18	89.27	100.68	107.80
G 72.5	82.63	81.54	82.76	91.36	98.35	98.56	94.00	89.22	90.50	101.76	111.39
G 75.0	82.70	81.60	83.24	91.37	98.53	98.69	94.64	89.96	91.68	105.43	113.76
G 77.5	82.78	81.43	83.51	91.20	98.32	98.68	95.26	90.59	92.93	107.10	116.07
G 80.0	83.06	81.19	83.47	90.83	97.86	98.57	95.85	91.24	94.36	109.92	118.31
G 82.5	83.81	80.70	82.48	90.20	97.27	98.36	96.34	91.95	95.86	113.40	121.14
G 85.0	84.78	80.26	81.54	89.01	96.55	98.08	96.63	92.46	98.21	116.12	122.90
G 87.5	85.25	79.64	80.56	88.09	95.39	97.63	96.88	92.84	101.32	119.71	124.56
G 90.0	84.75	79.06	79.60	87.03	94.43	97.32	97.15	93.49	105.33	122.32	125.88
G 92.5	83.51	78.40	78.56	85.85	93.47	96.92	97.28	95.44	109.33	124.72	127.21
G 95.0	81.55	78.02	77.66	84.20	92.43	96.42	97.14	97.67	113.43	128.83	127.71
G 97.5	79.87	77.40	76.75	83.30	91.03	95.68	97.02	100.16	117.43	131.15	127.95
G100.0	78.20	76.68	75.81	82.70	90.10	95.06	97.35	103.06	121.49	133.62	127.86
G102.5	76.42	75.73	74.33	82.35	89.35	94.71	98.46	107.26	124.39	135.66	127.39
G105.0	73.86	75.73	73.43	81.60	88.79	95.09	100.13	111.05	127.35	138.12	126.52
G107.5	71.77	74.73	73.47	81.83	88.58	96.73	102.07	114.33	130.23	139.64	125.56
G110.0	69.55	72.54	75.11	83.11	90.08	97.88	104.38	117.53	132.59	140.81	124.46
G112.5	67.43	68.11	77.29	84.54	92.13	98.92	106.55	121.15	134.43	141.55	122.90
G115.0	64.30	64.97	77.74	86.62	93.67	99.79	108.24	123.41	135.92	142.30	121.38
G117.5	62.11	62.02	77.58	87.77	95.25	100.73	110.10	125.28	137.31	142.59	119.92
G120.0	59.84	59.94	75.93	88.28	96.31	100.99	112.39	126.87	138.10	142.65	117.88
G122.5	57.54	57.09	73.34	88.25	97.20	101.05	113.79	128.30	138.73	142.50	115.57
G125.0	54.57	55.47	71.40	87.46	97.99	100.94	114.98	128.76	139.19	141.91	113.39
G127.5	52.48	53.88	69.63	86.66	98.46	100.45	115.80	128.83	139.45	141.42	111.18
G130.0	50.45	52.56	67.79	85.64	98.57	99.64	116.15	128.52	139.38	140.85	108.69
G132.5	48.47	50.86	65.55	84.45	98.46	98.67	115.93	127.47	139.07	140.18	106.22
G135.0	45.88	49.77	63.80	82.33	98.25	97.65	115.51	126.30	138.47	138.66	104.21
G137.5	44.23	48.85	62.22	80.73	97.76	96.79	114.80	124.87	136.72	136.47	101.93
G140.0	43.14	47.83	60.60	78.90	97.20	96.01	113.49	122.88	134.92	132.07	98.92
G142.5	42.53	46.85	58.41	76.83	96.45	95.21	111.91	119.40	132.51	127.60	95.80
G145.0	42.27	45.94	56.80	73.87	95.53	94.20	109.97	116.02	129.49	118.87	91.99
G147.5	41.47	44.93	54.86	71.08	93.83	92.80	106.92	112.26	124.40	111.76	87.89
G150.0	41.37	43.75	52.75	68.15	92.23	91.08	102.28	108.24	120.08	104.69	83.07
G152.5	41.08	43.06	49.79	64.77	90.31	89.02	98.65	102.69	114.21	96.91	78.23
G155.0	40.66	42.26	47.50	60.00	88.16	86.12	94.67	97.15	106.45	85.95	73.27
G157.5	40.49	41.38	45.10	56.58	83.86	82.73	90.67	89.72	94.98	77.43	68.02
G160.0	39.97	40.15	43.34	52.99	77.81	75.75	82.00	81.09	85.13	69.24	61.66
G162.5	38.76	38.66	41.35	49.75	69.79	68.54	73.37	69.95	75.12	60.99	56.43
G165.0	35.95	36.77	39.84	45.21	62.66	58.62	63.27	60.22	65.42	50.87	51.72
G167.5	33.29	34.33	38.50	42.05	52.91	51.73	55.31	51.91	53.62	45.55	47.54
G170.0	30.78	31.67	36.99	39.00	46.95	46.26	49.63	44.31	47.95	41.37	43.42
G172.5	28.03	28.73	34.23	35.79	41.91	39.93	44.62	37.72	42.76	36.93	39.73
G175.0	25.36	26.17	31.52	31.92	37.16	35.12	38.72	33.48	36.00	31.39	34.55
G177.5	24.76	25.58	28.34	30.77	33.70	34.77	34.07	32.45	31.64	29.93	31.29
G180.0	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49

LEDS C4[®]

Luminaria

Código 00-6306-21-14
Nombre VOILES

Ensayo

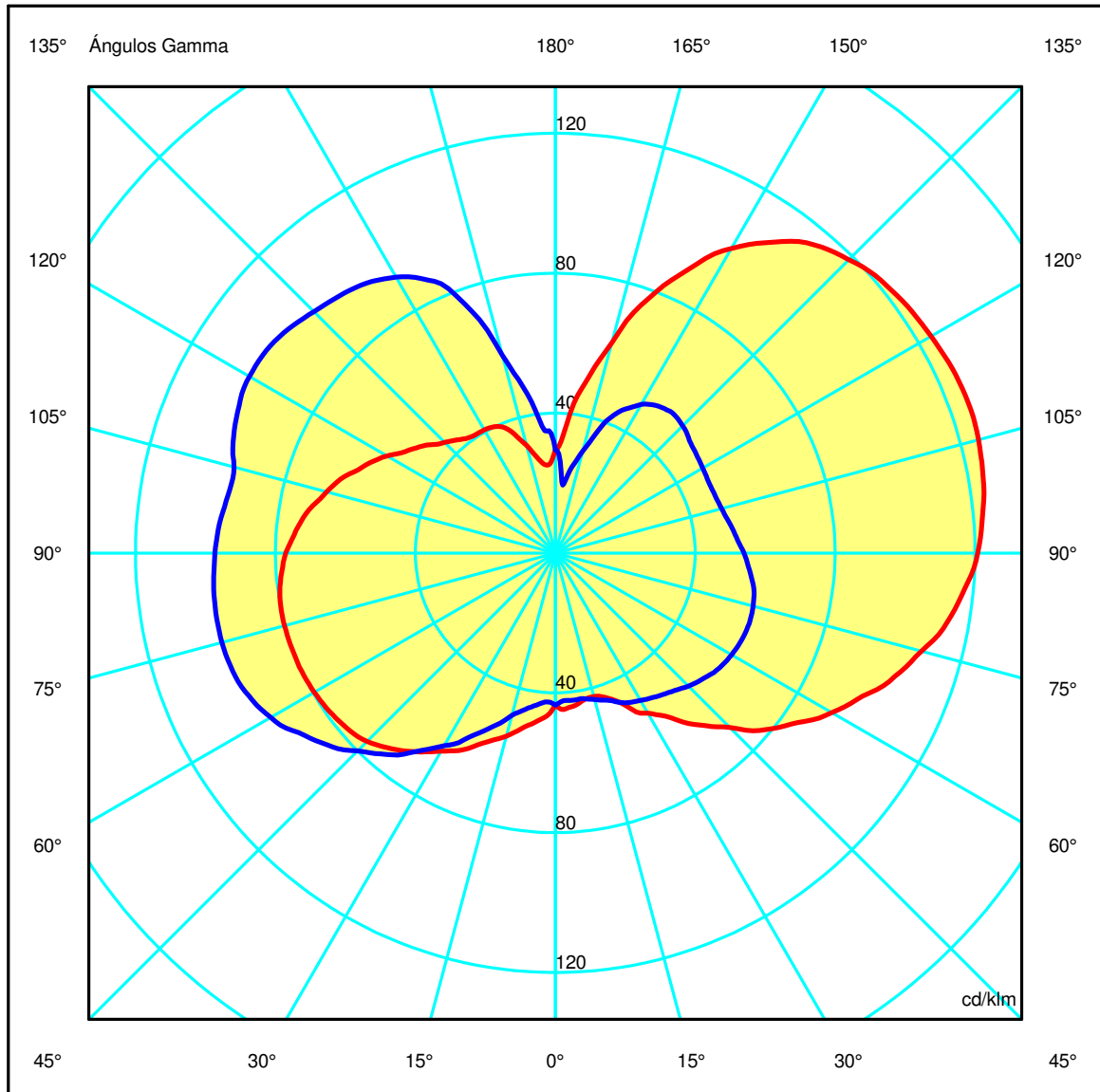
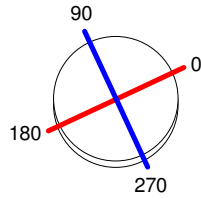
Código 00-6306-21-14
Nombre VOILES

Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Diam=400mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



LEDS C4²

Luminaria

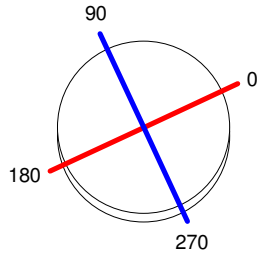
Código 00-6306-21-14
Nombre VOILES

Ensayo

Código 00-6306-21-14
Nombre VOILES

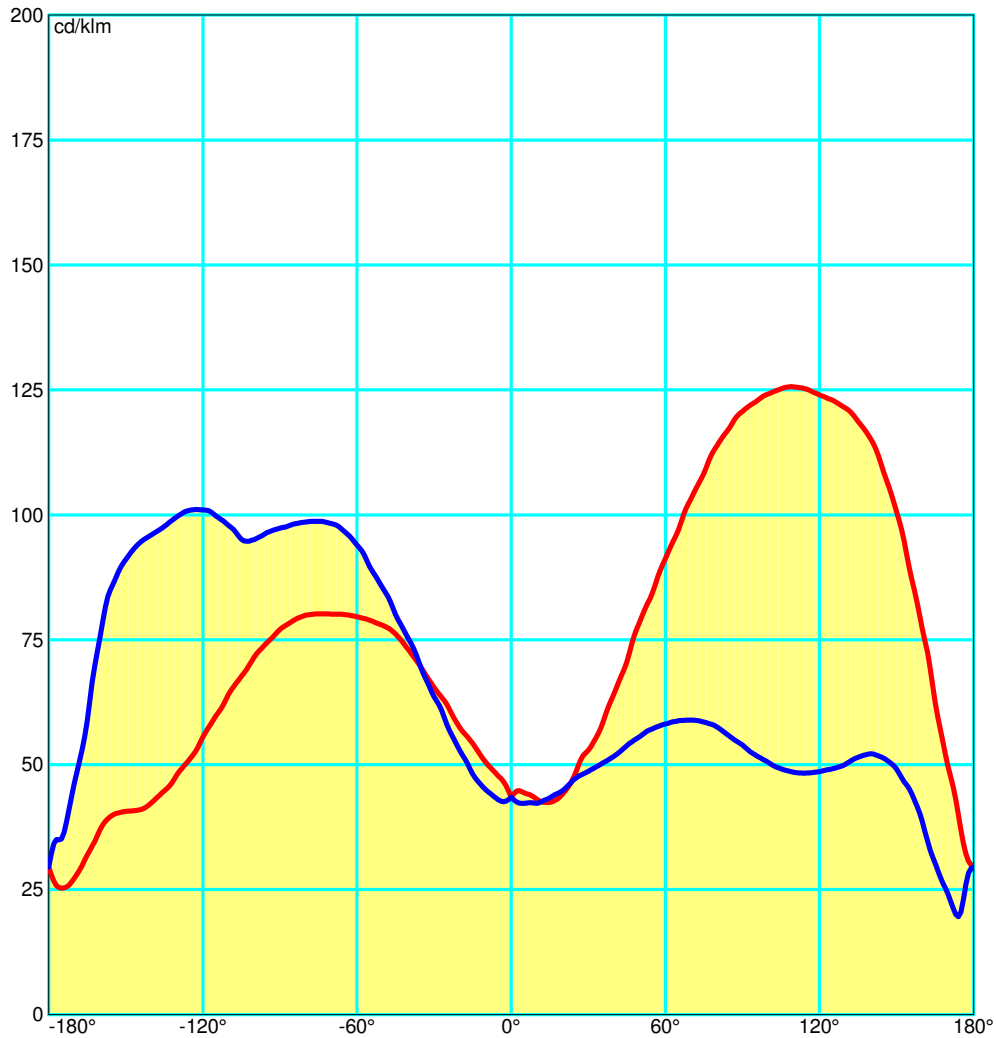
Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Diam=400mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



Luminaria

Código 00-6306-21-14

Nombre VOILES

Ensayo

Código 00-6306-21-14

Nombre VOILES

Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

UGR
S = 0.250

Reflectancias										
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	7.8	8.8	8.8	9.7	11.0	8.5	9.5	9.4	10.4	11.7
x=2H y=3H	10.5	11.3	11.4	12.3	13.5	11.4	12.3	12.3	13.2	14.5
x=2H y=4H	11.8	12.6	12.7	13.6	14.9	12.8	13.7	13.8	14.6	15.9
x=2H y=6H	13.1	13.8	14.0	14.8	16.1	14.2	15.0	15.2	16.0	17.3
x=2H y=8H	13.7	14.5	14.7	15.4	16.7	14.9	15.6	15.9	16.6	17.9
x=2H y=12H	14.3	15.0	15.3	16.0	17.3	15.6	16.3	16.5	17.3	18.6
x=4H y=2H	8.7	9.5	9.6	10.5	11.7	9.4	10.2	10.3	11.2	12.4
x=4H y=3H	11.5	12.2	12.5	13.2	14.5	12.3	13.1	13.3	14.0	15.3
x=4H y=4H	13.0	13.6	14.0	14.6	15.9	13.9	14.5	14.9	15.6	16.9
x=4H y=6H	14.5	15.0	15.5	16.0	17.4	15.5	16.1	16.5	17.1	18.4
x=4H y=8H	15.2	15.7	16.2	16.7	18.1	16.3	16.8	17.3	17.8	19.2
x=4H y=12H	15.9	16.4	16.9	17.4	18.8	17.0	17.5	18.0	18.5	19.9
x=8H y=4H	13.5	14.0	14.5	15.0	16.4	14.4	15.0	15.4	16.0	17.3
x=8H y=6H	15.2	15.7	16.2	16.7	18.1	16.2	16.7	17.2	17.7	19.1
x=8H y=8H	16.1	16.5	17.2	17.6	19.0	17.1	17.5	18.2	18.6	20.0
x=8H y=12H	17.0	17.4	18.1	18.4	19.8	18.1	18.4	19.1	19.5	20.9
x=12H y=4H	13.6	14.1	14.6	15.1	16.5	14.6	15.0	15.6	16.1	17.4
x=12H y=6H	15.4	15.8	16.4	16.9	18.2	16.4	16.8	17.4	17.9	19.2
x=12H y=8H	16.4	16.7	17.4	17.8	19.2	17.4	17.8	18.4	18.8	20.2

Luminaria

Código 00-6306-21-14
Nombre VOILES

Ensayo

Código 00-6306-21-14
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Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Flujo Total=2618.72 Flujo Luminaria=2618.72

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	0.11	0.17	0.22	0.27	0.32	0.40	0.47	0.52	0.59	0.64	0.77	0.86
RC	10	10	10	10	10	10	10	10	10	10	10	10

Flujo Zonal por 1000 Lúmenes

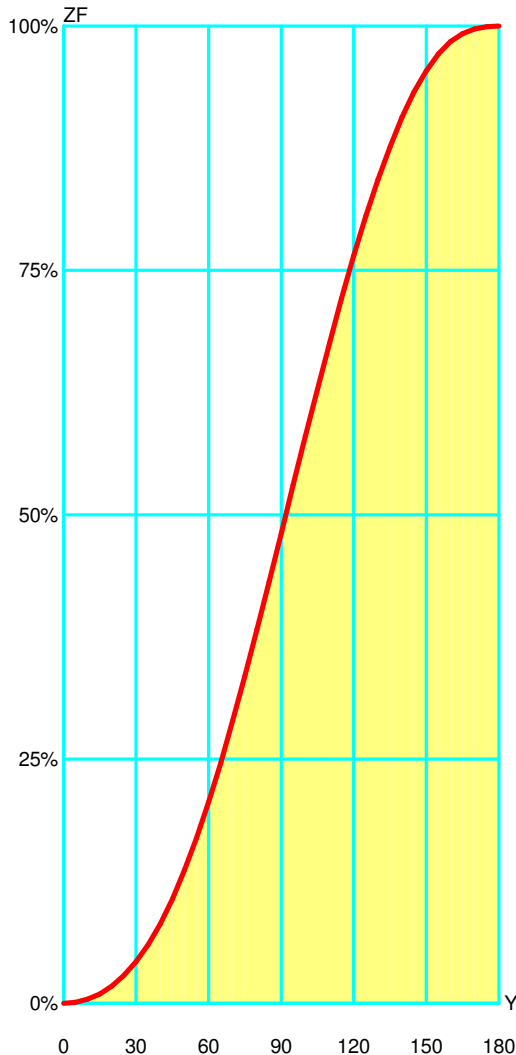
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	4	18	42	81	136	206	289	382	481	580	676	765	843	907	954	984	997	1000

Códigos de Flujo C.I.E.

18 43 71 48 100

C.I.E.	10
D DIN 5040	C12
F UTE	0.48 J + 0.52 T
B NBN	BZ 9
RN	51.91227 %
BLF	1.0

LOR	100.00000 %
ULOR	51.91227 %
DLOR	48.08773 %
UFF	51.91227 %
DFF	48.08773 %
FFR	107.95326 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.04	1.04	0.10 %	0.10 %
10°	3.17	4.21	0.32 %	0.42 %
15°	5.43	9.64	0.54 %	0.96 %
20°	7.96	17.59	0.80 %	1.76 %
25°	10.82	28.42	1.08 %	2.84 %
30°	14.04	42.46	1.40 %	4.25 %
35°	17.52	59.98	1.75 %	6.00 %
40°	21.33	81.32	2.13 %	8.13 %
45°	25.30	106.61	2.53 %	10.66 %
50°	29.31	135.92	2.93 %	13.59 %
55°	33.17	169.09	3.32 %	16.91 %
60°	36.84	205.93	3.68 %	20.59 %
65°	40.18	246.10	4.02 %	24.61 %
70°	43.16	289.26	4.32 %	28.93 %
75°	45.60	334.86	4.56 %	33.49 %
80°	47.55	382.41	4.75 %	38.24 %
85°	48.87	431.28	4.89 %	43.13 %
90°	49.59	480.88	4.96 %	48.09 %
95°	49.72	530.60	4.97 %	53.06 %
100°	49.32	579.93	4.93 %	57.99 %
105°	48.46	628.38	4.85 %	62.84 %
110°	47.24	675.63	4.72 %	67.56 %
115°	45.64	721.27	4.56 %	72.13 %
120°	43.43	764.69	4.34 %	76.47 %
125°	40.64	805.33	4.06 %	80.53 %
130°	37.44	842.77	3.74 %	84.28 %
135°	33.92	876.69	3.39 %	87.67 %
140°	30.11	906.80	3.01 %	90.68 %
145°	25.98	932.78	2.60 %	93.28 %
150°	21.54	954.32	2.15 %	95.43 %
155°	17.04	971.36	1.70 %	97.14 %
160°	12.53	983.90	1.25 %	98.39 %
165°	8.28	992.18	0.83 %	99.22 %
170°	4.78	996.97	0.48 %	99.70 %
175°	2.34	999.30	0.23 %	99.93 %
180°	0.70	1000.00	0.07 %	100.00 %

Luminaria

 Código 00-6306-21-14
 Nombre VOILES

Ensayo

 Código 00-6306-21-14
 Nombre VOILES

Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Utilización CIE

Montaje	Directo	Normalización										Normalizados			Raz. de Susp. 1/3			CIE Estándar									
Techo																											
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000				
0.60	576	518	546	493	493	470	431	366	418	357	383	289	358	244	333	309	273	292	233	259	246	213	195				
0.80	639	586	591	545	557	521	487	426	465	409	424	337	394	288	382	353	319	331	275	303	286	251	231				
1.00	682	634	618	578	603	553	529	472	496	445	453	374	420	322	417	386	354	361	308	336	317	282	260				
1.25	719	677	637	603	644	579	569	517	523	478	479	408	445	356	450	417	387	390	341	369	348	314	288				
1.50	745	708	647	619	674	596	600	552	541	502	498	434	463	382	473	440	413	412	366	394	372	338	311				
2.00	779	749	657	635	714	614	644	603	565	533	524	470	489	421	505	472	449	444	405	430	407	376	346				
2.50	800	775	660	642	740	623	674	638	578	551	540	494	507	448	525	494	474	467	432	455	433	403	371				
3.00	814	792	660	645	757	627	696	664	587	564	551	512	520	468	538	509	492	483	452	473	451	424	389				
4.00	832	815	658	647	780	631	727	701	597	579	566	535	538	496	556	530	516	506	481	498	478	452	415				
5.00	842	828	655	647	793	632	746	724	602	588	575	549	550	515	566	543	531	521	499	514	495	472	433				
10.00	862	854	644	640	820	629	790	778	611	604	593	580	577	557	585	570	563	555	543	548	535	517	472				
20.00	870	866	634	633	832	624	814	808	613	609	602	595	592	582	593	584	580	575	568	567	558	543	494				

Pared

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	420	388	381	355	371	340	293	263	275	248	230	194	198	159	234	199	185	173	153	177	155	142	128
0.80	498	467	444	418	443	399	361	328	333	305	286	246	250	206	284	247	232	218	196	220	196	178	161
1.00	560	529	490	466	500	444	417	384	379	352	331	291	294	247	326	288	272	258	233	255	231	209	189
1.25	620	591	535	513	556	488	475	442	426	400	378	338	340	293	368	330	315	300	275	293	268	243	219
1.50	668	641	570	550	602	522	523	491	464	439	417	379	379	333	403	366	351	335	311	325	300	271	245
2.00	739	715	620	604	670	573	597	567	521	499	477	442	441	397	456	422	408	392	369	376	352	318	287
2.50	791	770	657	644	721	611	653	626	564	545	523	492	488	448	497	465	452	437	415	416	393	355	321
3.00	832	814	686	675	761	642	698	673	598	581	561	532	527	490	530	500	488	473	453	448	427	386	349
4.00	894	879	733	724	822	689	768	747	652	638	619	595	589	557	583	556	546	532	514	501	481	436	396
5.00	941	929	769	762	869	726	820	802	694	682	664	643	637	609	624	600	591	578	562	542	524	476	434
10.00	1000	1000	880	876	1000	840	973	962	819	812	799	787	780	762	748	732	727	716	706	670	657	602	554
20.00	1000	1000	990	987	1000	951	1000	1000	938	934	925	918	913	903	867	857	853	846	840	792	783	724	672

P.Trab.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	390	356	364	334	335	315	239	209	231	202	173	137	132	94	184	138	124	104	85	113	84	70	54
0.80	484	448	446	415	417	388	315	279	300	268	238	192	190	141	239	189	172	151	126	154	122	100	80
1.00	559	523	510	479	484	446	380	341	359	324	294	244	243	187	286	234	216	194	165	190	157	128	104
1.25	634	598	571	542	550	503	447	407	419	384	353	300	300	239	335	283	263	241	210	230	195	159	131
1.50	692	658	618	591	603	548	502	462	467	433	402	349	349	285	375	324	304	282	249	263	229	185	154
2.00	778	748	686	663	682	613	588	550	539	508	478	428	426	364	437	390	370	349	315	317	284	229	194
2.50	837	810	731	711	738	658	651	615	591	563	533	487	484	424	482	438	419	399	367	357	326	263	224
3.00	881	857	763	746	779	690	698	665	629	603	575	532	528	473	516	475	457	437	407	388	358	289	248
4.00	940	920	806	793	835	733	765	737	681	660	635	598	592	543	563	527	512	494	467	432	406	328	283
5.00	978	962	834	823	872	761	810	785	716	698	674	643	636	593	595	563	550	533	509	463	439	355	307
10.00	1000	1000	895	889	956	824	917	902	796	786	769	750	744	717	670	649	641	629	614	538	522	423	370
20.00	1000	1000	930	927	1000	861	983	975	845	839	828	818	813	798	717	704	700	691	683	587	577	469	414

LM53 SHR C0-C180: 2.301 SHR C90-C270: 1.785 SHR Superficial: 3.480

LuminariaCódigo 00-6306-21-14
Nombre VOILES**Ensayo**Código 00-6306-21-14
Nombre VOILES

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Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Apertura a la derecha no hallada, gamma =71

Apertura a la derecha no hallada, gamma =71

Apertura a la derecha no hallada, gamma =71

LEDS C4[®]

Luminaria

Código 00-6306-21-14

Nombre VOILES

Ensayo

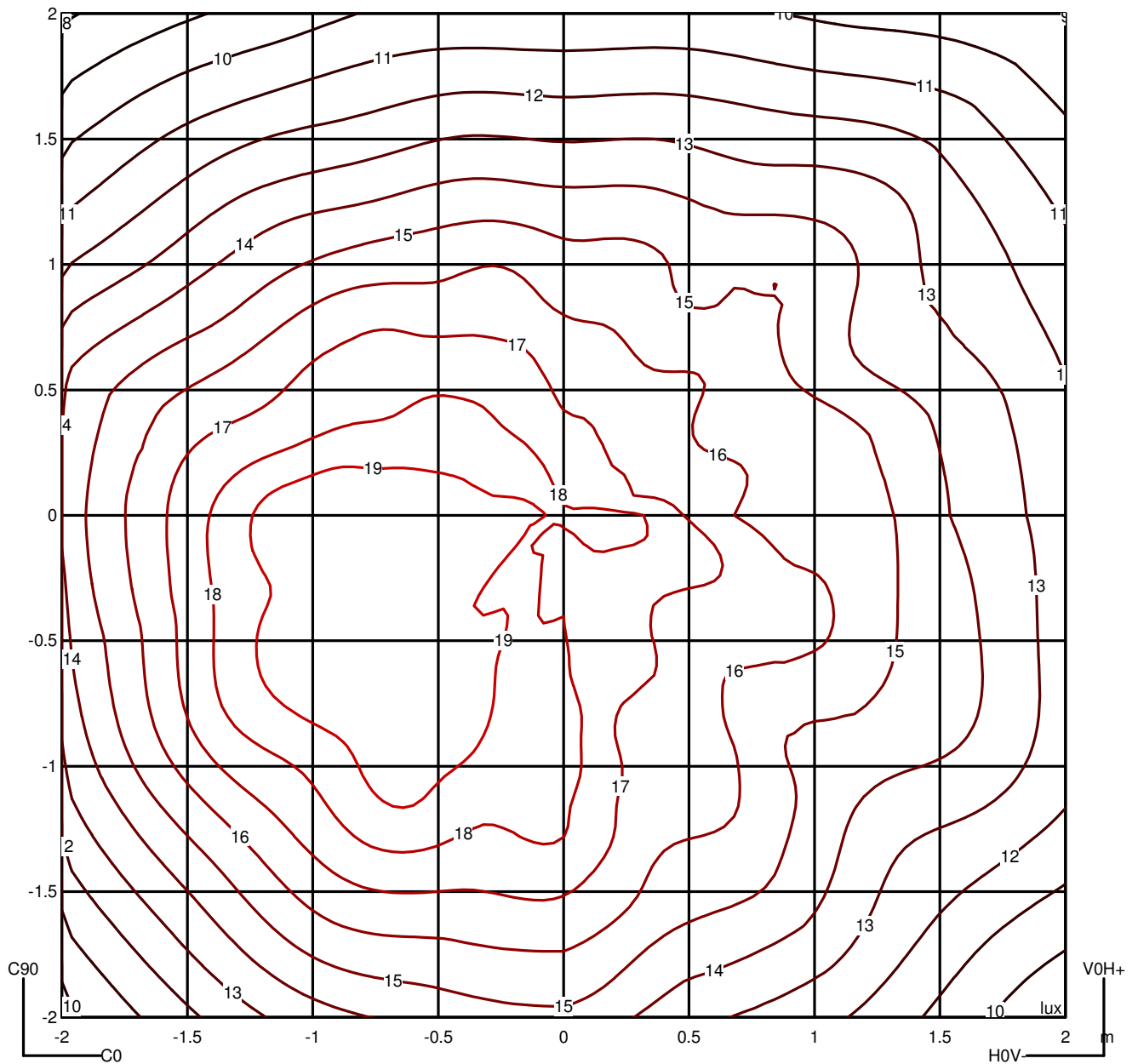
Código 00-6306-21-14

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Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Isolux (Suelo)

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



LEDS C4[®]

Luminaria

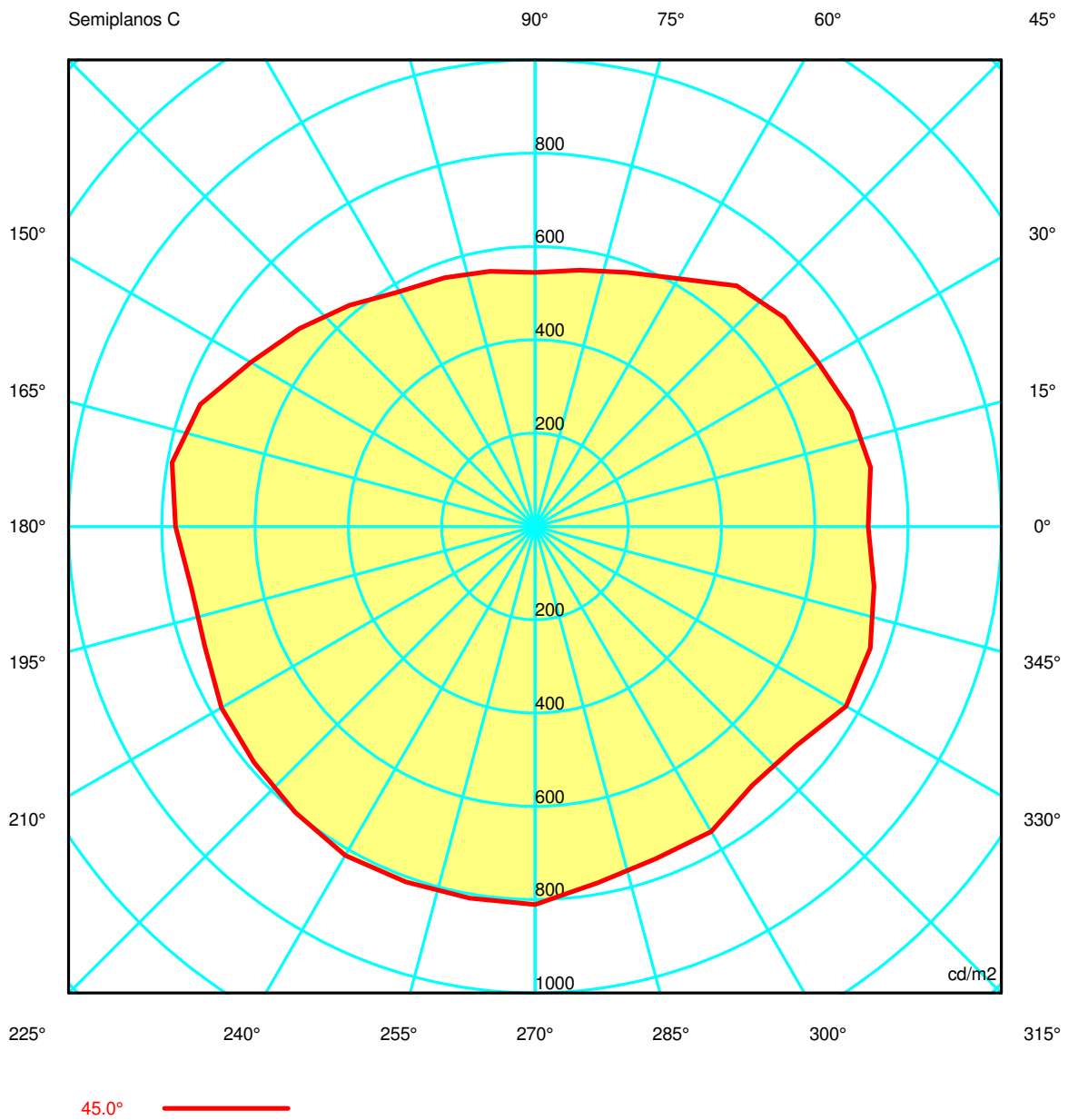
Código 00-6306-21-14
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Ensayo

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Luminancia



Luminaria

Código 00-6306-21-14

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Ensayo

Código 00-6306-21-14

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Luminance cd/m2 Tabla 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73
G 5.0	794.89	757.28	745.90	745.78	743.43	741.95	745.85	750.26	753.20	757.61	767.80	777.26	786.14
G 10.0	681.70	663.71	653.47	652.54	655.85	657.14	657.56	664.89	668.11	669.44	686.96	698.34	703.64
G 15.0	606.22	611.68	605.50	597.38	606.97	610.89	605.90	611.64	615.35	618.94	637.81	650.56	655.74
G 20.0	577.81	594.76	594.26	584.50	587.74	582.45	572.25	583.14	587.56	586.59	608.60	622.98	625.76
G 25.0	588.00	600.45	588.23	568.56	580.56	584.33	578.07	579.21	578.24	574.98	588.78	599.92	607.56
G 30.0	605.30	602.34	588.30	572.69	599.93	605.59	578.64	570.55	564.40	557.23	568.53	581.00	591.80
G 35.0	625.53	630.47	617.78	605.15	623.72	621.18	589.02	570.32	555.47	545.54	556.79	569.15	581.86
G 40.0	670.87	665.58	657.90	656.23	660.27	644.62	595.95	570.61	551.97	540.21	556.57	571.65	583.07
G 45.0	714.09	730.11	721.19	701.56	697.42	673.23	613.72	579.90	558.08	544.81	555.37	567.60	581.70
G 50.0	777.01	787.19	780.73	766.60	761.31	713.42	633.30	589.08	564.66	549.90	555.68	566.47	582.30
G 55.0	823.75	859.59	856.61	827.39	811.28	755.10	664.29	607.21	575.49	557.61	556.17	562.95	580.18
G 60.0	883.02	923.16	928.00	904.15	879.53	805.27	695.36	625.06	585.56	562.61	556.65	561.36	579.31
G 65.0	937.73	1001.03	1010.04	972.79	935.63	854.79	737.78	650.85	597.61	568.58	557.72	559.55	578.52
G 70.0	1007.12	1071.10	1086.71	1055.16	1009.02	912.96	779.29	672.82	607.50	574.67	559.23	557.32	577.32
G 75.0	1072.91	1153.23	1171.18	1128.93	1072.47	969.97	827.23	700.95	619.28	579.75	560.82	556.49	577.99
G 80.0	1153.74	1232.79	1253.25	1213.14	1149.46	1033.50	874.58	730.77	634.01	584.21	559.77	553.10	577.34
G 85.0	1229.76	1318.17	1338.75	1290.88	1220.76	1098.17	929.01	769.37	651.74	583.28	552.42	548.58	580.61
G 90.0	1317.25	1402.32	1427.26	1384.67	1305.41	1167.01	983.70	812.58	679.10	588.51	537.44	534.70	584.98

Luminaria

Código 00-6306-21-14

Nombre VOILES

Ensayo

Código 00-6306-21-14

Nombre VOILES

Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Luminance cd/m2 Tabla 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73
G 5.0	800.43	812.00	815.53	820.23	835.24	855.55	840.16	830.68	828.75	796.42	783.31	784.78	774.67
G 10.0	723.22	735.31	737.10	750.93	779.84	799.37	783.82	788.25	801.51	761.23	742.16	752.21	725.96
G 15.0	672.54	685.96	692.28	707.40	743.69	773.80	758.48	761.37	781.80	757.94	741.60	738.27	702.43
G 20.0	643.34	657.43	665.46	687.42	723.76	751.74	748.11	756.64	772.45	750.35	743.18	749.36	715.48
G 25.0	630.06	652.66	665.26	676.44	714.17	754.83	747.64	754.44	778.93	764.00	754.37	753.53	723.78
G 30.0	615.24	638.88	660.44	690.82	725.05	748.97	753.35	766.87	781.92	765.95	766.14	777.06	747.31
G 35.0	612.75	641.07	668.34	714.96	749.23	755.32	754.55	765.78	788.74	780.89	780.13	787.01	765.16
G 40.0	615.90	646.76	681.33	744.80	766.99	762.92	750.13	763.04	785.48	784.08	791.39	805.24	790.88
G 45.0	619.16	659.78	703.50	764.24	790.55	771.19	748.90	753.61	776.69	786.87	799.86	814.13	810.38
G 50.0	619.07	666.87	721.72	780.60	796.58	770.41	751.93	752.11	765.26	782.03	803.33	824.42	836.44
G 55.0	620.08	680.81	747.30	794.26	795.85	768.92	759.20	758.00	761.37	779.88	806.76	834.18	857.89
G 60.0	621.90	691.73	766.00	805.24	797.10	769.97	770.18	768.19	763.99	779.02	811.64	850.65	884.05
G 65.0	626.84	706.89	786.88	816.47	798.74	774.63	786.93	791.75	778.42	784.46	818.87	868.26	908.95
G 70.0	633.10	721.82	804.82	828.41	805.43	781.59	796.60	805.20	792.50	792.78	828.75	889.27	938.38
G 75.0	642.63	738.55	821.83	841.41	816.52	794.18	810.38	819.60	808.37	811.61	846.67	905.15	958.79
G 80.0	652.21	755.30	838.62	856.22	830.22	810.35	832.75	840.42	823.51	831.39	867.87	921.30	974.38
G 85.0	664.78	771.11	853.70	874.44	844.74	824.96	871.12	881.23	840.54	838.86	875.92	932.24	990.25
G 90.0	680.08	789.46	872.03	892.34	867.47	841.14	902.92	916.35	862.65	853.90	891.13	949.56	1007.98

Luminaria

Código 00-6306-21-14

Nombre VOILES

Ensayo

Código 00-6306-21-14

Nombre VOILES

Flujo Luminaria	2618.72 lm	Potencia luminaria	33.00 W	Eficacia	79.36 lm/W	Eficiencia	100.00%
Flujo de Lámpara	2618.72 lm	Valor Máximo	142.65 cd/klm	Posición	C=330.00 G=120.00	CG	Asimétrico

Luminance cd/m2 Tabla 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73	905.73
G 5.0	769.55	770.45	767.10	764.90	768.62	774.65	779.17	784.13	793.69	798.19
G 10.0	712.87	712.82	692.84	684.92	687.42	682.73	681.02	689.26	697.59	695.11
G 15.0	686.93	685.97	659.33	646.46	645.64	633.23	627.09	635.90	642.50	632.27
G 20.0	695.95	692.14	651.80	632.28	629.10	609.04	605.44	621.56	617.10	598.84
G 25.0	709.14	705.39	664.86	643.82	642.85	608.50	603.54	619.20	621.79	607.64
G 30.0	730.44	727.65	687.94	665.82	663.74	630.72	621.37	629.44	625.82	614.34
G 35.0	754.99	753.26	714.23	697.36	695.35	655.98	646.64	672.80	666.00	644.04
G 40.0	785.12	785.80	743.98	724.44	721.48	692.90	693.21	719.31	704.44	680.84
G 45.0	809.06	810.17	775.38	757.45	755.24	724.26	730.78	770.27	764.65	737.92
G 50.0	846.64	843.86	810.21	788.31	781.10	758.01	771.16	811.87	812.07	793.33
G 55.0	873.95	873.02	848.24	823.46	803.01	779.06	800.90	855.60	872.31	855.28
G 60.0	907.00	909.18	881.09	844.80	815.95	801.90	832.29	890.92	921.53	914.44
G 65.0	934.36	935.53	904.86	866.63	837.44	824.87	861.20	933.08	982.32	980.50
G 70.0	962.50	957.94	928.24	889.96	859.99	855.08	901.27	981.88	1040.84	1046.16
G 75.0	984.10	977.70	953.58	920.37	891.17	888.48	946.14	1044.44	1114.84	1120.34
G 80.0	1001.64	999.80	985.04	955.48	925.45	930.38	1003.21	1114.94	1187.82	1194.99
G 85.0	1022.66	1027.23	1021.82	995.92	968.33	989.58	1087.64	1216.16	1281.83	1276.94
G 90.0	1045.46	1061.87	1068.32	1041.18	1020.08	1088.64	1217.32	1334.68	1376.73	1360.28