

LEDS C4[®]

Luminaria

Código 15-4922-BY-M1
Nombre BOL

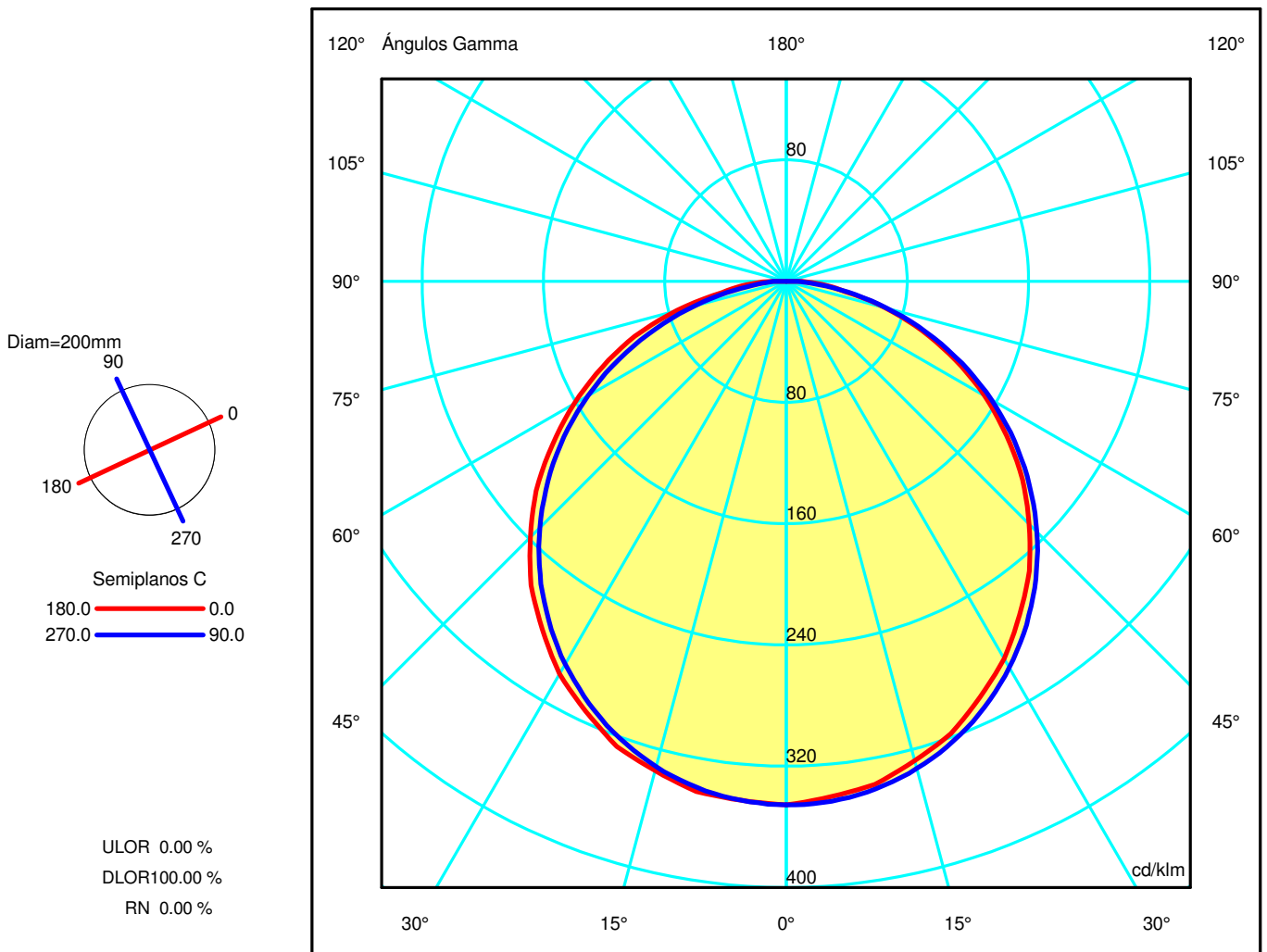
Ensayo

Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico
Luminaria Redonda Área Luminosa Redonda	Diam. Diam.	200 mm 200 mm	Altura Altura	1 mm 0 mm			
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°	0.031416 m2 0.000000 m2 0.000000 m2	Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°			0.000000 m2 0.000000 m2 0.007600 m2		
Sist. de Coorden. Fecha Distancia de Ensayo	CG 02-04-2015 0.00	Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo			Asimétrico 90 1064.40 lm		
Operador Temperatura Humedad Notas	25.00 °C 60.00 %	Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula					

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	15-4922	15-4922	1064.40	20.90	1
C.I.E. F UTE	46 78 95 100 100 1.00 E	D DIN 5040 B NBN	A30 BZ 5		



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Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 6/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	345.45	345.45	345.45	345.45	345.45	345.45	345.45
G 0.5	345.08	345.07	345.05	345.04	345.04	345.03	345.03
G 1.0	344.70	344.67	344.64	344.63	344.62	344.61	344.61
G 1.5	344.33	344.28	344.24	344.21	344.19	344.18	344.18
G 2.0	343.93	343.87	343.83	343.79	343.77	343.76	343.76
G 2.5	343.52	343.45	343.41	343.37	343.34	343.33	343.34
G 3.0	343.10	343.03	342.97	342.94	342.92	342.91	342.92
G 3.5	342.69	342.61	342.54	342.50	342.48	342.47	342.49
G 4.0	342.17	342.17	342.11	342.06	342.05	342.04	342.06
G 4.5	341.66	341.66	341.67	341.62	341.60	341.61	341.64
G 5.0	341.14	341.15	341.19	341.18	341.16	341.18	341.21
G 5.5	340.65	340.63	340.68	340.73	340.72	340.74	340.77
G 6.0	340.19	340.12	340.16	340.27	340.27	340.29	340.35
G 6.5	339.72	339.64	339.66	339.77	339.83	339.85	339.92
G 7.0	339.25	339.17	339.15	339.26	339.37	339.41	339.49
G 7.5	338.70	338.69	338.66	338.76	338.92	338.97	339.05
G 8.0	338.14	338.20	338.18	338.26	338.45	338.52	338.62
G 8.5	337.59	337.66	337.69	337.76	337.97	338.08	338.18
G 9.0	337.01	337.11	337.20	337.26	337.48	337.63	337.75
G 9.5	336.40	336.57	336.71	336.78	336.98	337.19	337.32
G 10.0	335.78	336.01	336.17	336.29	336.49	336.73	336.88
G 10.5	335.15	335.41	335.63	335.80	335.85	335.92	335.95
G 11.0	334.51	334.79	335.09	334.96	334.86	334.95	334.99
G 11.5	333.86	334.17	334.11	334.00	333.89	333.98	334.02
G 12.0	333.21	333.14	333.13	333.02	332.91	333.00	333.05
G 12.5	332.28	332.10	332.08	332.04	331.95	332.02	332.08
G 13.0	331.21	331.07	331.05	331.05	330.98	331.03	331.12
G 13.5	330.15	330.05	330.02	330.02	330.07	330.05	330.15
G 14.0	329.09	329.02	328.98	329.09	329.05	329.08	329.18
G 14.5	328.07	327.97	327.96	328.12	328.09	328.11	328.21
G 15.0	327.06	326.92	326.94	327.11	327.13	327.14	327.25
G 15.5	326.04	325.87	325.91	326.09	326.16	326.17	326.28
G 16.0	324.99	324.83	324.90	325.07	325.20	325.22	325.31
G 16.5	323.87	323.81	323.88	324.05	324.22	324.26	324.35
G 17.0	322.75	322.78	322.86	323.03	323.25	323.30	323.38
G 17.5	321.66	321.76	321.82	322.00	322.28	322.34	322.42
G 18.0	320.55	320.73	320.80	320.99	321.31	321.38	321.45
G 18.5	319.44	319.68	319.78	319.98	320.34	320.42	320.48
G 19.0	318.33	318.59	318.76	318.99	319.38	319.47	319.51
G 19.5	317.23	317.50	317.74	317.98	318.41	318.51	318.55
G 20.0	316.11	316.42	316.72	316.99	317.43	317.55	317.58
G 20.5	315.00	315.35	315.71	315.99	316.42	316.34	316.14
G 21.0	313.90	314.26	314.68	314.99	315.00	314.80	314.63
G 21.5	312.80	313.18	313.66	313.60	313.41	313.25	313.11
G 22.0	311.65	312.10	312.48	312.01	311.82	311.71	311.59
G 22.5	310.50	311.02	310.82	310.41	310.22	310.17	310.08
G 23.0	309.36	309.70	309.18	308.80	308.63	308.62	308.56
G 23.5	308.23	308.04	307.53	307.20	307.05	307.07	307.05
G 24.0	307.07	306.36	305.88	305.58	305.47	305.51	305.53
G 24.5	305.36	304.68	304.23	303.96	303.88	303.96	304.01
G 25.0	303.64	302.95	302.56	302.33	302.30	302.41	302.49
G 25.5	301.81	301.22	300.88	300.70	300.72	300.85	300.97
G 26.0	299.99	299.48	299.21	299.07	299.14	299.29	299.45
G 26.5	298.17	297.75	297.54	297.44	297.56	297.73	297.92
G 27.0	296.36	296.04	295.86	295.80	295.98	296.17	296.40
G 27.5	294.58	294.32	294.16	294.17	294.39	294.60	294.87
G 28.0	292.78	292.59	292.47	292.52	292.81	293.04	293.34
G 28.5	290.99	290.87	290.76	290.89	291.21	291.48	291.81
G 29.0	289.18	289.13	289.05	289.25	289.59	289.91	290.28
G 29.5	287.36	287.34	287.34	287.62	287.97	288.35	288.74
G 30.0	285.53	285.55	285.62	285.99	286.36	286.78	287.21
G 30.5	283.70	283.77	283.91	284.37	284.73	285.13	285.38
G 31.0	281.88	281.98	282.20	282.69	283.03	283.23	283.47
G 31.5	280.06	280.19	280.49	281.03	281.12	281.33	281.58
G 32.0	278.24	278.39	278.78	279.12	279.21	279.43	279.68
G 32.5	276.43	276.58	277.07	277.19	277.30	277.55	277.78
G 33.0	274.54	274.77	275.12	275.26	275.39	275.65	275.88
G 33.5	272.63	272.96	273.18	273.33	273.48	273.75	273.99
G 34.0	270.74	270.99	271.24	271.39	271.57	271.86	272.11
G 34.5	268.87	268.96	269.31	269.46	269.67	269.97	270.22
G 35.0	266.91	266.95	267.36	267.52	267.77	268.09	268.33
G 35.5	264.84	264.98	265.40	265.60	265.87	266.20	266.44
G 36.0	262.74	263.01	263.43	263.68	263.96	264.31	264.55

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Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 12/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 36.5	260.65	261.06	261.46	261.77	262.06	262.42	262.67
G 37.0	258.62	259.10	259.51	259.86	260.17	260.53	260.79
G 37.5	256.60	257.14	257.54	257.97	258.28	258.64	258.91
G 38.0	254.58	255.19	255.54	256.05	256.39	256.75	257.02
G 38.5	252.56	253.19	253.49	254.14	254.49	254.87	255.13
G 39.0	250.55	251.17	251.43	252.24	252.60	252.98	253.25
G 39.5	248.54	249.15	249.35	250.34	250.71	251.09	251.36
G 40.0	246.54	247.14	247.28	248.43	248.83	249.20	249.47
G 40.5	244.54	245.12	245.18	246.53	246.94	247.26	247.25
G 41.0	242.51	243.12	243.23	244.63	245.03	244.91	244.92
G 41.5	240.44	241.13	241.38	242.72	242.64	242.56	242.59
G 42.0	238.36	239.16	239.56	240.56	240.25	240.21	240.26
G 42.5	236.29	237.19	237.77	238.11	237.85	237.87	237.93
G 43.0	234.24	235.24	235.76	235.65	235.45	235.51	235.60
G 43.5	232.22	233.28	233.42	233.20	233.04	233.16	233.27
G 44.0	230.23	231.31	230.99	230.76	230.65	230.82	230.94
G 44.5	228.24	228.86	228.49	228.31	228.24	228.47	228.61
G 45.0	226.26	226.28	225.98	225.85	225.85	226.11	226.28
G 45.5	224.25	223.70	223.47	223.39	223.45	223.75	223.95
G 46.0	221.82	221.12	220.96	220.92	221.05	221.38	221.63
G 46.5	219.14	218.54	218.46	218.47	218.66	219.02	219.30
G 47.0	216.47	215.95	215.95	216.01	216.26	216.65	216.97
G 47.5	213.80	213.37	213.41	213.55	213.87	214.28	214.64
G 48.0	211.15	210.79	210.86	211.10	211.46	211.91	212.32
G 48.5	208.49	208.20	208.32	208.64	209.07	209.55	209.99
G 49.0	205.82	205.58	205.79	206.20	206.66	207.17	207.66
G 49.5	203.17	202.96	203.26	203.72	204.26	204.80	205.34
G 50.0	200.49	200.35	200.73	201.23	201.85	202.42	203.01
G 50.5	197.76	197.75	198.21	198.75	199.44	200.01	200.46
G 51.0	195.06	195.14	195.67	196.29	197.01	197.40	197.86
G 51.5	192.36	192.55	193.13	193.83	194.39	194.78	195.25
G 52.0	189.67	189.94	190.60	191.27	191.76	192.16	192.63
G 52.5	186.99	187.34	188.05	188.62	189.14	189.54	190.03
G 53.0	184.32	184.72	185.44	185.97	186.52	186.94	187.42
G 53.5	181.65	182.11	182.76	183.33	183.91	184.33	184.82
G 54.0	178.99	179.49	180.08	180.70	181.29	181.73	182.21
G 54.5	176.33	176.79	177.41	178.07	178.67	179.12	179.59
G 55.0	173.68	174.11	174.76	175.44	176.06	176.52	176.98
G 55.5	170.93	171.42	172.10	172.81	173.45	173.91	174.37
G 56.0	168.15	168.74	169.45	170.18	170.84	171.31	171.77
G 56.5	165.38	166.07	166.80	167.55	168.23	168.71	169.16
G 57.0	162.63	163.40	164.15	164.92	165.61	166.10	166.54
G 57.5	159.88	160.73	161.51	162.30	163.01	163.50	163.94
G 58.0	157.17	158.06	158.88	159.67	160.41	160.90	161.33
G 58.5	154.48	155.39	156.24	157.05	157.81	158.30	158.73
G 59.0	151.80	152.74	153.60	154.43	155.20	155.69	156.12
G 59.5	149.13	150.08	150.97	151.80	152.60	153.09	153.51
G 60.0	146.47	147.44	148.34	149.19	150.00	150.50	150.90
G 60.5	143.80	144.80	145.71	146.58	147.40	147.84	148.14
G 61.0	141.14	142.16	143.09	143.97	144.72	145.02	145.33
G 61.5	138.47	139.52	140.46	141.36	141.87	142.20	142.53
G 62.0	135.80	136.87	137.84	138.50	139.02	139.38	139.72
G 62.5	133.15	134.22	135.16	135.64	136.17	136.57	136.92
G 63.0	130.49	131.57	132.24	132.77	133.32	133.75	134.11
G 63.5	127.83	128.87	129.33	129.90	130.48	130.93	131.31
G 64.0	125.17	125.93	126.43	127.05	127.63	128.11	128.50
G 64.5	122.50	123.00	123.52	124.18	124.78	125.29	125.70
G 65.0	119.63	120.07	120.62	121.33	121.95	122.47	122.90
G 65.5	116.64	117.14	117.73	118.46	119.10	119.65	120.10
G 66.0	113.67	114.22	114.83	115.60	116.26	116.84	117.30
G 66.5	110.70	111.30	111.94	112.73	113.43	114.02	114.49
G 67.0	107.74	108.39	109.06	109.87	110.59	111.21	111.69
G 67.5	104.78	105.48	106.17	107.01	107.75	108.39	108.89
G 68.0	101.84	102.57	103.29	104.15	104.91	105.57	106.08
G 68.5	98.90	99.66	100.41	101.30	102.08	102.75	103.28
G 69.0	95.96	96.76	97.53	98.44	99.24	99.93	100.47
G 69.5	93.02	93.86	94.65	95.58	96.41	97.12	97.67
G 70.0	90.08	90.95	91.78	92.73	93.57	94.31	94.87
G 70.5	87.15	88.06	88.90	89.87	90.75	91.52	92.10
G 71.0	84.21	85.16	86.02	87.02	88.00	88.78	89.35
G 71.5	81.27	82.26	83.15	84.29	85.28	86.04	86.58
G 72.0	78.34	79.37	80.37	81.60	82.56	83.30	83.82
G 72.5	75.42	76.48	77.72	78.92	79.85	80.56	81.06

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Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 13/18

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 73.0	78.65	78.81	78.92	78.89	78.90	78.71	78.54	78.16	77.56	76.91	76.09	75.16	74.98
G 73.5	75.86	76.01	76.11	76.08	76.08	75.89	75.72	75.42	74.83	74.20	73.39	72.45	71.78
G 74.0	73.07	73.22	73.30	73.26	73.26	73.07	72.90	72.62	72.11	71.51	70.70	69.77	68.66
G 74.5	70.29	70.42	70.49	70.45	70.44	70.26	70.10	69.83	69.37	68.82	68.02	67.07	65.93
G 75.0	67.50	67.62	67.68	67.64	67.62	67.46	67.29	67.03	66.59	66.12	65.34	64.40	63.26
G 75.5	64.72	64.83	64.87	64.83	64.81	64.65	64.49	64.25	63.81	63.43	62.68	61.74	60.61
G 76.0	61.93	62.03	62.05	62.02	61.99	61.84	61.69	61.46	61.04	60.68	60.02	59.11	58.03
G 76.5	59.15	59.24	59.24	59.21	59.18	59.03	58.89	58.68	58.28	57.94	57.38	56.50	55.50
G 77.0	56.36	56.44	56.44	56.40	56.36	56.23	56.10	55.90	55.52	55.20	54.72	53.90	52.97
G 77.5	53.58	53.65	53.63	53.58	53.55	53.42	53.30	53.12	52.78	52.48	52.04	51.33	50.47
G 78.0	50.79	50.85	50.82	50.77	50.74	50.62	50.51	50.34	50.04	49.77	49.38	48.79	47.99
G 78.5	48.00	48.06	48.01	47.96	47.93	47.81	47.72	47.57	47.30	47.07	46.73	46.23	45.52
G 79.0	45.22	45.26	45.19	45.14	45.12	45.01	44.94	44.80	44.57	44.38	44.09	43.68	43.06
G 79.5	42.44	42.47	42.38	42.33	42.31	42.21	42.15	42.02	41.85	41.70	41.46	41.13	40.61
G 80.0	39.65	39.67	39.57	39.52	39.51	39.41	39.36	39.26	39.13	39.04	38.84	38.59	38.17
G 80.5	38.04	37.97	37.62	37.12	36.70	36.61	36.57	36.51	36.42	36.37	36.24	36.08	35.74
G 81.0	36.42	36.36	36.02	35.55	34.92	34.02	33.79	33.75	33.71	33.71	33.64	33.57	33.33
G 81.5	34.82	34.75	34.42	33.98	33.38	32.52	31.50	30.99	31.00	31.06	31.06	31.07	30.94
G 82.0	33.20	33.15	32.83	32.40	31.83	31.01	30.05	28.84	28.31	28.40	28.49	28.59	28.56
G 82.5	31.60	31.54	31.24	30.83	30.29	29.52	28.60	27.45	26.14	25.76	25.92	26.12	26.19
G 83.0	29.98	29.93	29.64	29.27	28.75	28.02	27.15	26.07	24.83	23.42	23.36	23.66	23.85
G 83.5	28.37	28.33	28.04	27.70	27.21	26.52	25.71	24.68	23.52	22.19	20.80	21.20	21.51
G 84.0	26.76	26.72	26.45	26.13	25.67	25.02	24.27	23.30	22.22	20.97	19.59	18.76	19.20
G 84.5	25.15	25.11	24.86	24.56	24.13	23.52	22.83	21.93	20.92	19.75	18.48	17.12	16.89
G 85.0	23.53	23.50	23.26	22.99	22.59	22.03	21.39	20.55	19.63	18.54	17.37	16.13	14.71
G 85.5	21.93	21.89	21.66	21.43	21.05	20.54	19.95	19.18	18.33	17.33	16.27	15.14	13.86
G 86.0	20.31	20.28	20.08	19.86	19.51	19.05	18.52	17.80	17.04	16.12	15.17	14.16	13.00
G 86.5	18.71	18.68	18.48	18.29	17.98	17.56	17.08	16.43	15.76	14.93	14.08	13.18	12.16
G 87.0	17.09	17.07	16.89	16.72	16.44	16.07	15.64	15.06	14.47	13.73	12.98	12.20	11.32
G 87.5	15.48	15.46	15.29	15.15	14.91	14.58	14.21	13.69	13.18	12.53	11.90	11.23	10.49
G 88.0	13.87	13.86	13.70	13.59	13.37	13.09	12.78	12.33	11.89	11.34	10.81	10.26	9.67
G 88.5	12.26	12.24	12.11	12.03	11.84	11.60	11.34	10.95	10.61	10.15	9.73	9.29	8.84
G 89.0	10.64	10.64	10.51	10.46	10.31	10.12	9.91	9.59	9.33	8.95	8.64	8.32	8.02
G 89.5	9.04	9.03	8.93	8.90	8.77	8.62	8.47	8.22	8.04	7.77	7.56	7.36	7.21
G 90.0	7.42	7.42	7.33	7.33	7.23	7.14	7.05	6.86	6.76	6.58	6.48	6.39	6.39

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 14/18

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 73.0	76.68	77.90	75.27	81.06	80.40	80.89	84.96	89.13	84.58	88.06	86.82	85.02	85.44
G 73.5	73.41	75.35	72.61	78.12	77.16	77.74	81.81	86.19	81.94	85.49	83.46	81.73	82.75
G 74.0	70.17	72.77	69.95	74.69	73.87	74.60	78.60	82.71	79.29	82.90	80.14	78.55	80.07
G 74.5	66.96	69.37	67.30	71.29	70.50	71.78	75.29	79.29	76.65	79.34	76.82	75.85	77.39
G 75.0	63.75	66.05	64.67	67.89	67.20	68.96	72.07	75.87	74.04	75.87	73.50	73.19	74.71
G 75.5	60.51	62.76	62.13	64.38	64.01	66.19	68.97	72.40	71.44	72.44	70.13	70.54	72.05
G 76.0	57.29	59.48	59.67	60.94	60.82	63.42	65.89	68.98	68.90	69.02	66.78	67.94	69.42
G 76.5	54.33	56.22	57.25	57.53	57.69	60.60	62.82	65.55	66.44	65.61	63.74	65.38	66.80
G 77.0	51.77	53.04	54.91	54.11	55.13	57.78	60.33	62.09	64.08	62.26	61.13	62.82	64.21
G 77.5	49.29	49.90	52.61	50.70	52.66	54.82	57.93	58.64	61.77	58.93	58.61	60.30	61.64
G 78.0	46.85	46.76	49.86	47.42	50.17	51.86	55.52	55.33	58.92	55.64	56.12	57.80	59.09
G 78.5	44.45	43.65	46.66	44.50	47.59	49.23	53.03	52.37	55.52	52.36	53.65	55.30	56.27
G 79.0	42.07	40.80	43.52	42.24	45.11	46.60	50.60	50.04	52.16	49.40	51.20	52.82	53.24
G 79.5	39.73	38.50	40.40	40.04	42.88	43.97	48.44	47.79	48.83	47.03	48.79	50.35	50.23
G 80.0	37.41	36.24	37.30	37.89	40.73	41.34	46.37	45.60	45.52	44.69	46.41	47.59	47.24
G 80.5	35.11	34.01	34.23	35.77	38.64	38.85	44.39	43.44	42.25	42.38	44.06	44.64	44.25
G 81.0	32.84	31.81	31.21	33.68	36.62	36.36	42.50	41.32	39.04	40.09	41.73	41.72	41.28
G 81.5	30.57	29.65	28.25	31.63	34.45	33.96	40.40	39.24	35.88	37.81	39.18	38.82	38.30
G 82.0	28.33	27.52	26.26	29.15	31.21	31.57	37.02	36.57	33.74	35.58	36.38	35.93	35.33
G 82.5	26.09	25.42	24.32	26.32	28.03	29.08	33.71	33.42	31.59	33.36	33.59	33.04	32.37
G 83.0	23.86	23.36	22.44	23.52	25.04	26.59	30.65	30.28	29.52	31.08	30.80	30.17	29.41
G 83.5	21.66	21.35	20.61	20.76	22.07	24.52	27.60	27.16	27.52	28.44	28.03	27.31	26.47
G 84.0	19.47	19.37	18.84	18.07	19.08	22.45	24.54	24.10	25.57	25.85	25.28	24.47	23.52
G 84.5	17.31	17.43	17.12	15.92	17.27	20.39	22.71	21.66	23.70	23.27	22.56	21.65	21.46
G 85.0	15.15	15.50	15.44	14.46	15.80	18.32	21.26	19.99	21.39	20.71	19.84	18.94	20.12
G 85.5	13.03	13.59	13.77	13.04	14.54	16.68	20.13	18.40	18.97	18.16	17.16	17.70	18.79
G 86.0	11.66	11.69	12.14	11.66	12.77	15.03	18.44	16.89	16.58	15.63	15.29	16.46	17.47
G 86.5	10.95	9.81	10.52	10.29	10.00	13.48	15.45	15.26	14.21	13.12	14.19	15.24	16.15
G 87.0	10.26	9.15	8.92	8.81	7.29	11.93	12.45	13.09	11.87	11.99	13.09	14.02	14.84
G 87.5	9.57	8.64	7.62	7.39	6.14	10.76	11.00	10.96	9.88	11.02	11.99	12.80	13.53
G 88.0	8.89	8.15	7.28	6.00	5.65	9.58	10.20	8.88	9.11	10.06	10.90	11.58	12.23
G 88.5	8.21	7.65	6.95	5.20	5.03	8.64	8.62	7.54	8.35	9.11	9.82	10.37	10.94
G 89.0	7.53	7.17	6.63	4.92	4.31	7.70	6.54	6.93	7.60	8.16	8.74	9.17	9.64
G 89.5	6.87	6.68	6.32	4.67	4.01	7.23	5.66	6.33	6.85	7.23	7.66	7.97	8.34
G 90.0	6.20	6.20	6.01	4.42	3.85	6.76	5.17	5.73	6.11	6.29	6.58	6.76	7.05

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 15/18

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 73.0	86.69	87.76	88.72	89.40	89.47	89.02	88.73	88.31	87.92	87.59	87.19	86.76	86.29
G 73.5	83.98	85.09	86.03	86.61	86.25	85.81	85.51	85.12	84.72	84.41	84.03	83.62	83.16
G 74.0	81.29	82.42	83.33	83.42	83.03	82.61	82.31	81.92	81.54	81.23	80.87	80.47	80.05
G 74.5	78.61	79.75	80.56	80.22	79.83	79.41	79.11	78.73	78.35	78.05	77.71	77.32	76.92
G 75.0	75.94	77.09	77.36	77.03	76.62	76.22	75.90	75.54	75.17	74.87	74.55	74.17	73.80
G 75.5	73.27	74.42	74.16	73.84	73.42	73.03	72.70	72.34	71.98	71.69	71.39	71.03	70.67
G 76.0	70.61	71.32	70.98	70.65	70.22	69.83	69.49	69.15	68.80	68.52	68.23	67.88	67.55
G 76.5	67.99	68.15	67.79	67.47	67.03	66.64	66.30	65.95	65.61	65.33	65.06	64.73	64.43
G 77.0	65.22	65.00	64.63	64.29	63.84	63.45	63.10	62.76	62.43	62.16	61.90	61.58	61.31
G 77.5	62.13	61.87	61.46	61.10	60.65	60.26	59.89	59.56	59.24	58.98	58.74	58.44	58.18
G 78.0	59.05	58.74	58.31	57.93	57.48	57.07	56.70	56.37	56.06	55.80	55.58	55.29	55.06
G 78.5	55.98	55.62	55.16	54.74	54.29	53.89	53.50	53.18	52.88	52.62	52.41	52.14	51.94
G 79.0	52.90	52.51	52.02	51.58	51.12	50.70	50.30	49.99	49.70	49.45	49.26	48.99	48.83
G 79.5	49.85	49.40	48.89	48.41	47.94	47.51	47.11	46.80	46.51	46.26	46.09	45.86	45.71
G 80.0	46.80	46.30	45.76	45.25	44.77	44.33	43.91	43.60	43.33	43.09	42.93	42.71	42.59
G 80.5	43.74	43.21	42.64	42.09	41.59	41.14	40.72	40.32	40.92	41.19	41.27	41.23	40.91
G 81.0	40.70	40.13	39.52	38.93	38.43	38.19	38.75	39.22	39.49	39.56	39.53	39.22	38.82
G 81.5	37.66	37.03	36.41	35.79	35.81	36.54	37.08	37.53	37.79	37.85	37.83	37.53	37.15
G 82.0	34.63	33.96	33.31	33.32	34.19	34.87	35.40	35.84	36.08	36.14	36.13	35.84	35.48
G 82.5	31.60	30.89	30.80	31.74	32.56	33.22	33.72	34.15	34.38	34.44	34.43	34.15	33.81
G 83.0	28.59	28.16	29.26	30.15	30.94	31.57	32.05	32.46	32.68	32.73	32.73	32.47	32.15
G 83.5	25.57	26.66	27.72	28.56	29.31	29.90	30.37	30.78	30.98	31.02	31.03	30.78	30.48
G 84.0	24.04	25.18	26.17	26.98	27.69	28.25	28.69	29.09	29.27	29.32	29.33	29.09	28.81
G 84.5	22.63	23.70	24.63	25.40	26.06	26.61	27.02	27.40	27.56	27.61	27.63	27.41	27.15
G 85.0	21.22	22.22	23.10	23.83	24.45	24.95	25.35	25.70	25.86	25.90	25.93	25.71	25.48
G 85.5	19.82	20.75	21.57	22.25	22.83	23.30	23.68	24.02	24.15	24.19	24.23	24.02	23.82
G 86.0	18.42	19.28	20.03	20.67	21.20	21.65	22.00	22.33	22.45	22.49	22.53	22.34	22.15
G 86.5	17.02	17.81	18.50	19.09	19.59	19.99	20.33	20.64	20.75	20.78	20.83	20.65	20.48
G 87.0	15.63	16.36	16.97	17.51	17.97	18.35	18.67	18.96	19.05	19.07	19.13	18.96	18.82
G 87.5	14.24	14.89	15.44	15.94	16.35	16.69	17.00	17.27	17.34	17.36	17.43	17.27	17.16
G 88.0	12.86	13.43	13.91	14.36	14.73	15.05	15.32	15.59	15.64	15.66	15.73	15.59	15.49
G 88.5	11.47	11.98	12.38	12.80	13.12	13.40	13.65	13.90	13.94	13.95	14.03	13.90	13.83
G 89.0	10.09	10.52	10.85	11.23	11.50	11.75	11.98	12.20	12.24	12.24	12.33	12.20	12.16
G 89.5	8.71	9.07	9.33	9.65	9.88	10.10	10.32	10.52	10.53	10.54	10.63	10.52	10.49
G 90.0	7.33	7.61	7.80	8.08	8.27	8.46	8.64	8.83	8.83	8.83	8.93	8.83	8.83

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 16/18

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 73.0	85.74	85.19	84.50	83.76	82.75	81.82	80.91	80.12	79.60	78.24	75.64	73.92	76.55
G 73.5	82.64	82.11	81.45	80.75	79.84	78.91	77.97	77.16	76.63	75.68	73.03	70.71	73.22
G 74.0	79.54	79.04	78.41	77.74	76.90	76.00	75.04	74.23	73.68	73.02	70.43	67.55	69.82
G 74.5	76.44	75.98	75.38	74.75	73.97	73.09	72.11	71.31	70.71	70.02	67.87	64.98	66.41
G 75.0	73.35	72.90	72.34	71.76	71.04	70.22	69.19	68.40	67.74	67.06	65.32	62.41	63.06
G 75.5	70.25	69.84	69.32	68.77	68.11	67.34	66.29	65.51	64.80	64.12	62.84	59.88	59.86
G 76.0	67.16	66.78	66.29	65.79	65.20	64.48	63.50	62.64	61.88	61.23	60.41	57.40	56.73
G 76.5	64.06	63.72	63.27	62.82	62.29	61.62	60.73	59.74	58.99	58.35	57.83	54.98	53.63
G 77.0	60.97	60.65	60.25	59.86	59.39	58.77	57.98	56.92	56.12	55.50	55.00	52.64	50.48
G 77.5	57.87	57.59	57.23	56.90	56.48	55.94	55.22	54.23	53.27	52.65	52.20	50.35	47.32
G 78.0	54.78	54.54	54.22	53.94	53.59	53.11	52.49	51.56	50.42	49.81	49.44	48.11	44.57
G 78.5	51.70	51.48	51.20	50.98	50.70	50.29	49.76	48.91	47.76	47.00	46.68	45.91	42.35
G 79.0	48.61	48.43	48.20	48.03	47.80	47.47	47.03	46.27	45.24	44.21	43.96	43.57	40.24
G 79.5	45.52	45.38	45.20	45.08	44.92	44.65	44.31	43.65	42.74	41.44	41.25	40.91	38.17
G 80.0	42.43	42.32	42.19	42.13	42.03	41.85	41.59	41.04	40.26	38.96	38.56	38.28	36.16
G 80.5	39.33	39.28	39.20	39.19	39.16	39.05	38.88	38.45	37.80	36.65	35.89	35.68	34.24
G 81.0	38.18	37.40	36.42	36.25	36.28	36.25	36.18	35.89	35.35	34.37	33.25	33.12	32.38
G 81.5	36.55	35.79	34.86	33.82	33.41	33.45	33.48	33.32	32.93	32.11	30.89	30.59	30.60
G 82.0	34.90	34.19	33.31	32.32	31.16	30.66	30.81	30.78	30.52	29.87	28.83	28.11	28.21
G 82.5	33.27	32.58	31.75	30.81	29.71	28.41	28.13	28.24	28.13	27.64	26.79	25.68	25.86
G 83.0	31.63	30.98	30.19	29.30	28.26	27.03	25.75	25.72	25.75	25.44	24.77	23.39	23.57
G 83.5	29.99	29.37	28.63	27.80	26.81	25.66	24.46	23.21	23.38	23.25	22.78	21.66	21.34
G 84.0	28.35	27.77	27.08	26.30	25.37	24.29	23.16	21.92	21.02	21.08	20.81	19.94	19.15
G 84.5	26.72	26.16	25.52	24.80	23.93	22.92	21.87	20.73	19.36	18.92	18.86	18.25	17.02
G 85.0	25.08	24.56	23.97	23.30	22.49	21.56	20.58	19.54	18.28	16.86	16.92	16.60	15.49
G 85.5	23.45	22.96	22.42	21.81	21.05	20.21	19.31	18.36	17.21	15.92	15.00	14.97	14.18
G 86.0	21.82	21.35	20.86	20.30	19.62	18.86	18.03	17.18	16.14	14.98	13.68	13.35	12.91
G 86.5	20.18	19.76	19.31	18.81	18.18	17.50	16.75	16.00	15.08	14.04	12.88	11.75	11.68
G 87.0	18.55	18.15	17.76	17.31	16.75	16.15	15.48	14.83	14.02	13.11	12.10	11.04	10.48
G 87.5	16.91	16.55	16.21	15.82	15.31	14.80	14.21	13.65	12.96	12.19	11.32	10.44	9.47
G 88.0	15.28	14.95	14.66	14.33	13.89	13.45	12.95	12.48	11.90	11.26	10.55	9.85	9.05
G 88.5	13.64	13.35	13.11	12.83	12.46	12.11	11.68	11.31	10.85	10.34	9.79	9.25	8.63
G 89.0	12.01	11.75	11.56	11.35	11.03	10.77	10.42	10.14	9.80	9.43	9.03	8.67	8.23
G 89.5	10.37	10.15	10.01	9.86	9.60	9.42	9.15	8.96	8.76	8.52	8.27	8.09	7.83
G 90.0	8.74	8.55	8.46	8.36	8.17	8.08	7.89	7.80	7.70	7.61	7.52	7.52	7.42

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 17/18

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 73.0	70.67	71.97	73.94	70.35	67.09	70.33	67.99	68.87	71.10	71.61	71.35	71.38	71.72
G 73.5	67.60	69.36	70.84	67.78	63.95	67.16	64.96	66.38	68.66	68.67	68.40	68.48	68.81
G 74.0	64.98	66.75	67.74	65.15	61.27	63.98	61.99	63.93	66.09	65.74	65.48	65.58	65.90
G 74.5	62.54	64.11	64.87	62.44	58.78	60.81	59.49	61.48	63.12	62.81	62.57	62.69	63.07
G 75.0	60.15	61.54	62.01	59.82	56.35	57.70	56.97	59.06	60.17	59.88	59.68	59.82	60.61
G 75.5	57.84	59.06	59.19	57.37	53.94	54.71	54.46	56.68	57.24	56.99	56.78	56.95	58.16
G 76.0	55.58	56.65	56.37	54.96	51.59	51.78	52.00	54.33	54.36	54.11	53.92	54.53	55.72
G 76.5	53.31	54.32	53.65	52.60	49.31	48.87	49.59	51.78	51.49	51.26	51.05	52.18	53.28
G 77.0	51.03	51.23	50.92	49.44	47.08	45.90	47.25	48.92	48.64	48.42	48.40	49.84	50.85
G 77.5	48.80	48.20	48.01	46.29	44.89	42.91	44.94	46.12	45.78	45.58	46.16	47.50	48.43
G 78.0	46.74	45.16	45.10	43.13	42.87	40.14	42.66	43.35	42.94	42.75	43.92	45.17	46.02
G 78.5	44.33	42.05	42.51	39.91	40.49	37.79	40.41	40.59	40.13	40.33	41.70	42.84	43.60
G 79.0	41.28	38.99	39.93	36.74	37.38	35.55	38.01	37.85	37.34	38.22	39.50	40.52	41.20
G 79.5	38.28	36.03	37.53	33.75	34.28	33.36	35.36	35.13	34.57	36.13	37.31	38.20	38.79
G 80.0	35.35	33.07	35.14	30.75	31.21	31.21	32.77	32.42	32.36	34.07	35.12	35.88	36.40
G 80.5	32.48	30.25	32.79	27.85	28.25	29.13	30.23	29.74	30.48	32.01	32.96	33.58	34.00
G 81.0	29.65	27.53	30.44	25.00	25.37	27.12	27.72	27.08	28.63	29.98	30.80	31.28	31.60
G 81.5	26.88	25.02	28.04	22.40	22.51	25.19	25.26	24.92	26.79	27.98	28.66	28.99	29.22
G 82.0	24.80	23.52	25.65	20.82	20.54	23.12	22.88	23.28	24.96	25.99	26.53	26.71	26.83
G 82.5	23.26	22.11	23.68	19.30	19.18	21.08	20.56	21.66	23.16	24.00	24.42	24.44	24.91
G 83.0	21.78	20.94	21.70	17.98	17.82	19.07	18.46	20.07	21.37	22.03	22.31	22.43	23.69
G 83.5	20.39	19.81	20.01	16.73	16.48	17.09	17.15	18.50	19.60	20.07	20.22	21.31	22.49
G 84.0	19.13	18.84	18.32	15.56	15.17	15.14	15.88	16.95	17.84	18.11	19.13	20.20	21.30
G 84.5	17.61	16.77	16.77	13.33	13.67	13.22	14.63	15.42	16.09	16.73	18.10	19.10	20.10
G 85.0	15.72	14.49	15.22	10.80	11.92	12.03	13.41	13.91	14.43	15.81	17.08	17.99	18.91
G 85.5	13.88	12.35	13.90	8.48	10.25	11.10	12.21	12.42	13.65	14.90	16.07	16.89	17.72
G 86.0	12.09	10.92	12.59	7.01	8.66	10.20	11.03	11.41	12.87	13.99	15.05	15.79	16.54
G 86.5	10.54	10.60	11.70	6.81	7.34	9.35	9.87	10.81	12.11	13.09	14.03	14.69	15.36
G 87.0	9.74	10.40	10.80	6.80	6.75	8.52	9.37	10.23	11.35	12.19	13.01	13.59	14.18
G 87.5	8.99	9.22	10.19	6.16	6.20	7.82	8.94	9.66	10.59	11.29	12.01	12.50	13.00
G 88.0	8.28	7.73	9.58	5.34	5.67	7.46	8.52	9.09	9.84	10.40	10.99	11.41	11.83
G 88.5	7.80	7.07	9.02	5.01	5.32	7.11	8.10	8.53	9.08	9.52	9.98	10.32	10.65
G 89.0	7.54	6.91	8.46	4.98	5.13	6.77	7.69	7.97	8.34	8.62	8.97	9.23	9.48
G 89.5	7.29	6.78	7.84	4.74	4.96	6.44	7.27	7.41	7.60	7.74	7.96	8.14	8.31
G 90.0	7.05	6.67	7.23	4.42	4.79	6.11	6.86	6.86	6.86	6.86	6.95	7.05	7.14

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 18/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 73.0	72.51	73.86	75.07	76.23	77.13	77.83	78.31
G 73.5	69.68	71.26	72.42	73.54	74.43	75.08	75.54
G 74.0	67.14	68.67	69.78	70.87	71.71	72.35	72.78
G 74.5	64.59	66.07	67.14	68.19	69.01	69.62	70.02
G 75.0	62.06	63.49	64.51	65.51	66.29	66.88	67.27
G 75.5	59.54	60.91	61.88	62.83	63.59	64.14	64.51
G 76.0	57.01	58.33	59.25	60.17	60.88	61.41	61.74
G 76.5	54.50	55.76	56.63	57.49	58.17	58.67	58.98
G 77.0	51.98	53.19	54.01	54.82	55.47	55.94	56.23
G 77.5	49.48	50.63	51.40	52.16	52.76	53.20	53.47
G 78.0	46.99	48.06	48.79	49.49	50.07	50.48	50.70
G 78.5	44.50	45.51	46.18	46.83	47.36	47.75	47.95
G 79.0	42.01	42.96	43.56	44.18	44.65	45.01	45.19
G 79.5	39.53	40.42	40.96	41.52	41.96	42.28	42.43
G 80.0	37.06	37.87	38.36	38.86	39.26	39.55	39.67
G 80.5	34.59	35.33	35.76	36.20	36.94	37.62	37.97
G 81.0	32.13	32.79	33.34	34.48	35.38	36.04	36.37
G 81.5	29.67	30.67	31.88	32.96	33.82	34.45	34.76
G 82.0	27.72	29.28	30.42	31.44	32.27	32.86	33.15
G 82.5	26.42	27.89	28.97	29.93	30.71	31.28	31.55
G 83.0	25.12	26.51	27.52	28.42	29.16	29.70	29.93
G 83.5	23.84	25.12	26.06	26.92	27.60	28.11	28.33
G 84.0	22.54	23.74	24.61	25.40	26.05	26.52	26.72
G 84.5	21.25	22.36	23.16	23.89	24.50	24.94	25.11
G 85.0	19.96	20.98	21.71	22.39	22.94	23.36	23.51
G 85.5	18.68	19.60	20.26	20.88	21.39	21.77	21.89
G 86.0	17.39	18.23	18.81	19.37	19.84	20.19	20.28
G 86.5	16.10	16.85	17.36	17.87	18.28	18.60	18.68
G 87.0	14.83	15.47	15.92	16.36	16.73	17.01	17.07
G 87.5	13.54	14.10	14.47	14.85	15.18	15.44	15.46
G 88.0	12.26	12.72	13.02	13.35	13.63	13.85	13.86
G 88.5	10.98	11.35	11.57	11.85	12.07	12.27	12.24
G 89.0	9.70	9.98	10.13	10.33	10.52	10.68	10.64
G 89.5	8.42	8.61	8.68	8.83	8.97	9.10	9.03
G 90.0	7.14	7.23	7.23	7.33	7.42	7.52	7.42

LEDS C4[®]

Luminaria

Código 15-4922-BY-M1
Nombre BOL

Ensayo

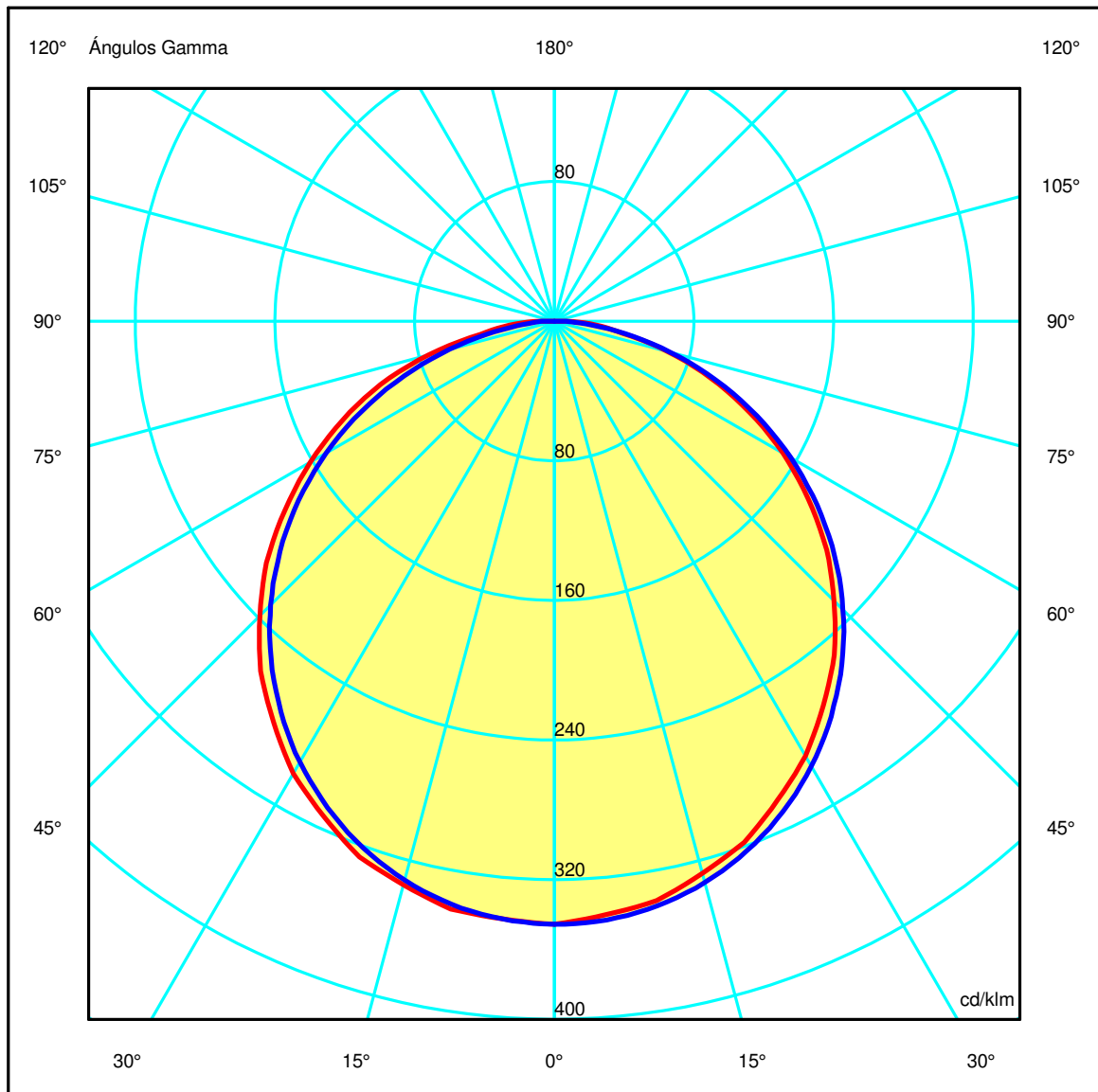
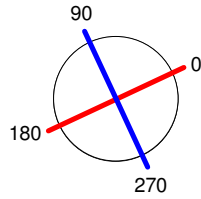
Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Diam=200mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



LEDS C4[®]

Luminaria

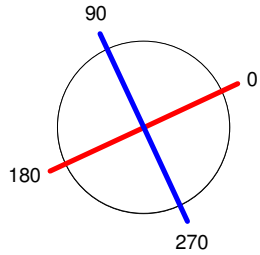
Código 15-4922-BY-M1
Nombre BOL

Ensayo

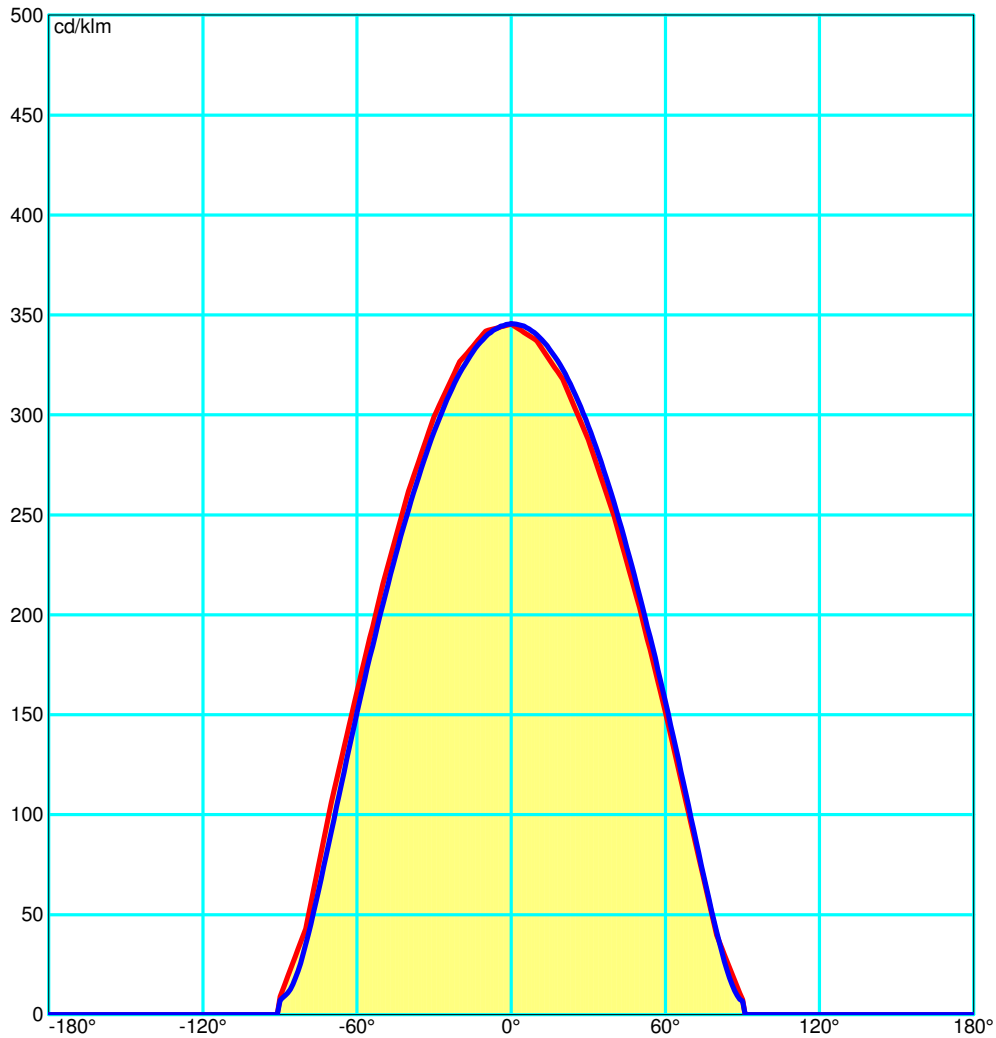
Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Diam=200mm



Semiplanos C



Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	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	21.0	22.3	21.3	22.6	22.8	20.5	21.8	20.8	22.1	22.3
x=2H y=3H	22.8	24.0	23.1	24.2	24.5	22.0	23.3	22.4	23.5	23.8
x=2H y=4H	23.5	24.6	23.8	24.9	25.2	22.6	23.8	23.0	24.1	24.4
x=2H y=6H	24.0	25.0	24.3	25.3	25.7	23.0	24.1	23.4	24.4	24.7
x=2H y=8H	24.2	25.2	24.5	25.5	25.8	23.1	24.1	23.5	24.5	24.8
x=2H y=12H	24.4	25.3	24.7	25.7	26.0	23.2	24.2	23.6	24.5	24.8
x=4H y=2H	21.8	22.9	22.1	23.2	23.5	21.3	22.4	21.6	22.7	23.0
x=4H y=3H	23.7	24.7	24.1	25.0	25.4	23.0	24.0	23.4	24.3	24.6
x=4H y=4H	24.6	25.4	25.0	25.8	26.1	23.7	24.6	24.1	24.9	25.3
x=4H y=6H	25.2	25.9	25.6	26.3	26.7	24.2	25.0	24.6	25.3	25.7
x=4H y=8H	25.4	26.1	25.9	26.5	26.9	24.3	25.0	24.8	25.4	25.8
x=4H y=12H	25.7	26.3	26.1	26.7	27.2	24.4	25.1	24.9	25.5	25.9
x=8H y=4H	24.9	25.6	25.4	26.0	26.4	24.1	24.8	24.5	25.2	25.6
x=8H y=6H	25.7	26.3	26.1	26.7	27.1	24.7	25.3	25.2	25.7	26.2
x=8H y=8H	26.0	26.5	26.5	27.0	27.4	24.9	25.4	25.4	25.9	26.3
x=8H y=12H	26.4	26.8	26.9	27.3	27.8	25.1	25.5	25.6	26.0	26.5
x=12H y=4H	24.9	25.6	25.4	26.0	26.4	24.1	24.7	24.5	25.1	25.6
x=12H y=6H	25.8	26.3	26.2	26.7	27.2	24.8	25.3	25.3	25.7	26.2
x=12H y=8H	26.1	26.6	26.6	27.0	27.5	25.0	25.5	25.5	25.9	26.4

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Flujo Total=1064.40 Flujo Luminaria=1064.40

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	0.30	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.86	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

Flujo Zonal por 1000 Lúmenes

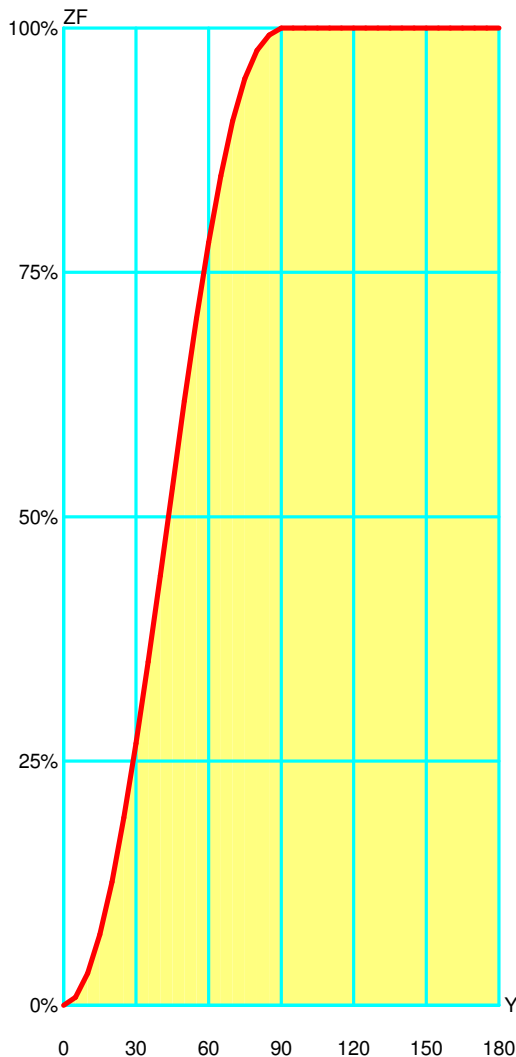
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	33	126	268	440	618	781	905	977	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

46 78 95 100 100

C.I.E.	5
D DIN 5040	A30
F UTE	1.00 E
B NBN	BZ 5
RN	0.00000 %
BLF	1.0

LOR	99.99970 %
ULOR	0.00000 %
DLOR	99.99970 %
UFF	0.00000 %
DFF	100.00000 %
FFR	0.00000 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.22	8.22	0.82 %	0.82 %
10°	24.37	32.59	2.44 %	3.26 %
15°	39.74	72.33	3.97 %	7.23 %
20°	53.73	126.06	5.37 %	12.61 %
25°	65.97	192.03	6.60 %	19.20 %
30°	75.95	267.98	7.60 %	26.80 %
35°	83.46	351.44	8.35 %	35.14 %
40°	88.15	439.59	8.82 %	43.96 %
45°	90.00	529.59	9.00 %	52.96 %
50°	88.80	618.40	8.88 %	61.84 %
55°	84.68	703.08	8.47 %	70.31 %
60°	77.63	780.71	7.76 %	78.07 %
65°	68.08	848.79	6.81 %	84.88 %
70°	56.36	905.15	5.64 %	90.52 %
75°	43.06	948.21	4.31 %	94.82 %
80°	28.77	976.98	2.88 %	97.70 %
85°	15.81	992.79	1.58 %	99.28 %
90°	7.21	1000.00	0.72 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

Luminaria

Código 15-4922-BY-M1
Nombre BOL

Ensayo

Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	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	218	196	172	155	186	148	112	95	88	75	47	35	17	12	70	38	33	14	11	32	12	10	0	0.80	253	232	184	169	220	162	140	123	100	88	56	45	23	17	83	47	42	20	16	40	17	15	0	1.00	275	256	186	174	244	166	163	146	107	96	63	52	29	22	90	54	49	25	21	47	22	20	0	1.25	295	278	183	174	265	167	187	170	112	103	70	59	36	29	96	61	56	31	27	54	28	25	0	1.50	309	294	179	171	280	165	206	189	115	106	74	65	41	34	100	66	62	37	33	59	33	30	0	2.00	327	314	168	163	300	157	234	219	115	109	81	72	51	44	103	73	69	46	42	66	43	39	0	2.50	338	328	160	155	313	151	255	241	115	110	85	78	58	52	104	77	74	54	50	71	50	46	0	3.00	346	337	153	149	322	145	270	258	115	110	88	81	64	58	105	81	78	60	56	75	56	52	0	4.00	357	350	144	142	335	138	292	282	114	110	92	87	72	67	106	86	84	68	65	81	64	61	0	5.00	364	358	138	136	343	133	307	298	113	111	95	91	78	73	106	89	88	74	71	85	70	67	0	10.00	379	376	125	124	361	122	340	335	111	110	101	99	91	88	107	97	96	88	86	93	84	82	0	20.00	387	385	117	117	370	115	359	356	109	109	104	103	99	97	106	101	100	96	95	98	93	91	0

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	470	458	412	404	452	399	356	348	322	317	270	266	233	231	314	266	265	231	230	264	230	230	210	0.80	530	517	451	443	508	437	413	404	365	359	313	308	274	271	354	308	306	272	271	304	271	270	246	1.00	569	557	472	465	545	458	455	444	392	386	342	336	303	300	380	336	334	301	299	331	299	298	271	1.25	604	592	488	482	578	474	493	482	414	409	368	362	331	327	402	361	359	328	326	356	325	323	293	1.50	629	617	498	492	601	485	522	511	431	425	387	381	352	348	418	380	377	348	346	373	345	342	310	2.00	654	644	500	496	625	488	556	546	443	439	406	401	375	370	430	398	395	370	367	391	366	362	326	2.50	669	660	499	495	639	488	579	569	450	446	417	412	389	385	436	408	406	384	381	401	378	374	335	3.00	677	669	495	493	647	485	594	584	452	449	424	419	399	394	439	414	412	392	389	406	386	381	340	4.00	694	687	496	494	663	486	619	610	460	458	437	433	416	411	447	427	425	408	406	418	401	395	351	5.00	706	701	498	496	675	489	637	630	467	465	447	444	429	425	454	437	435	420	418	427	413	406	360	10.00	732	729	502	501	701	494	678	674	482	480	470	468	459	456	469	459	458	449	447	448	439	431	380	20.00	739	737	495	495	706	488	694	691	481	481	475	474	469	467	469	463	463	457	456	452	447	437	384

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	591	578	551	542	570	536	453	445	436	430	369	365	321	319	427	365	363	320	319	362	319	318	300	0.80	699	684	643	634	672	625	555	545	529	522	461	455	409	406	516	454	452	407	405	450	405	404	385	1.00	783	768	714	704	753	695	639	627	604	597	537	530	485	481	588	529	526	481	479	523	479	477	459	1.25	863	848	778	769	828	758	721	708	675	668	611	604	560	555	657	601	598	556	553	594	552	549	531	1.50	922	908	824	816	885	804	784	771	729	721	668	660	619	613	709	657	654	613	610	648	608	604	587	2.00	1000	995	888	883	968	870	881	867	807	801	755	747	711	704	786	741	738	703	699	730	696	690	674	2.50	1000	1000	928	924	1000	911	945	931	857	852	812	804	772	765	836	797	794	762	759	784	754	747	732	3.00	1000	1000	956	952	1000	939	991	979	893	888	852	846	817	810	871	836	834	806	802	823	796	787	773	4.00	1000	1000	988	986	1000	972	1000	1000	936	932	903	897	873	867	913	885	883	860	856	870	848	838	824	5.00	1000	1000	1000	1000	1000	993	1000	1000	962	959	934	929	908	902	939	916	914	894	890	899	881	869	856	10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	986	982	994	981	979	968	962	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	990	972	962

LM53 SHR C0-C180: 1.238 SHR C90-C270: 1.262 SHR Superficial: 1.370

LEDS C4[®]

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

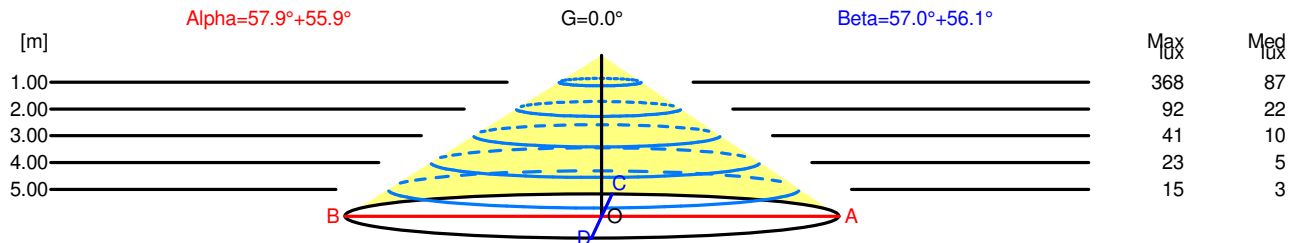
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

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	1.48	2.95	4.43	5.91	7.38	OC	1.54	3.08	4.62	6.15	7.69
OB	1.59	3.19	4.78	6.38	7.97	OD	1.49	2.98	4.47	5.96	7.45

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	367.70	363.25	348.50	322.15	285.85	241.15	188.80	131.20	71.85	25.05
OB	367.70	365.80	355.75	333.00	298.50	253.90	200.50	142.40	79.35	27.60
OC	367.70	366.50	354.20	329.80	294.30	248.70	195.70	136.30	73.40	19.50
OD	367.70	365.80	352.80	327.40	290.70	244.60	190.40	129.10	66.00	16.20



H[m]	D[m]	Max lux	Med lux	Alpha=57.9°+55.9°	G=0.0
1.00	3.07	368	87		
2.00	6.14	92	22		
3.00	9.21	41	10		
4.00	12.28	23	5		
5.00	15.35	15	3		

H[m]	D[m]	Max lux	Med lux	Beta=56.1°+57.0°	G=0.0
1.00	3.03	368	87		
2.00	6.06	92	22		
3.00	9.09	41	10		
4.00	12.11	23	5		
5.00	15.14	15	3		

LEDS C4[®]

Luminaria

Código 15-4922-BY-M1
Nombre BOL

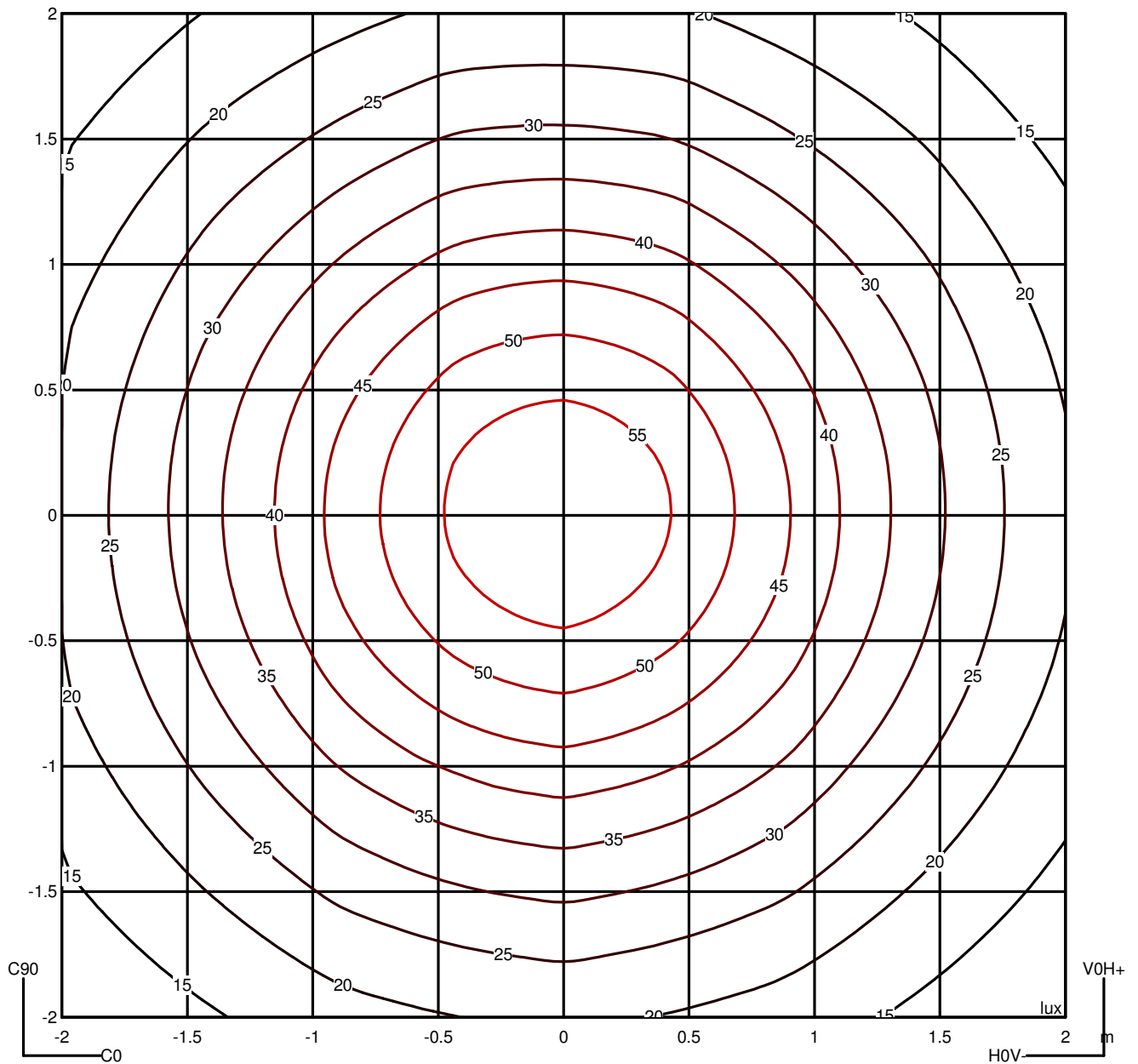
Ensayo

Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Isolux (Suelo)

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



LEDS C4[®]

Luminaria

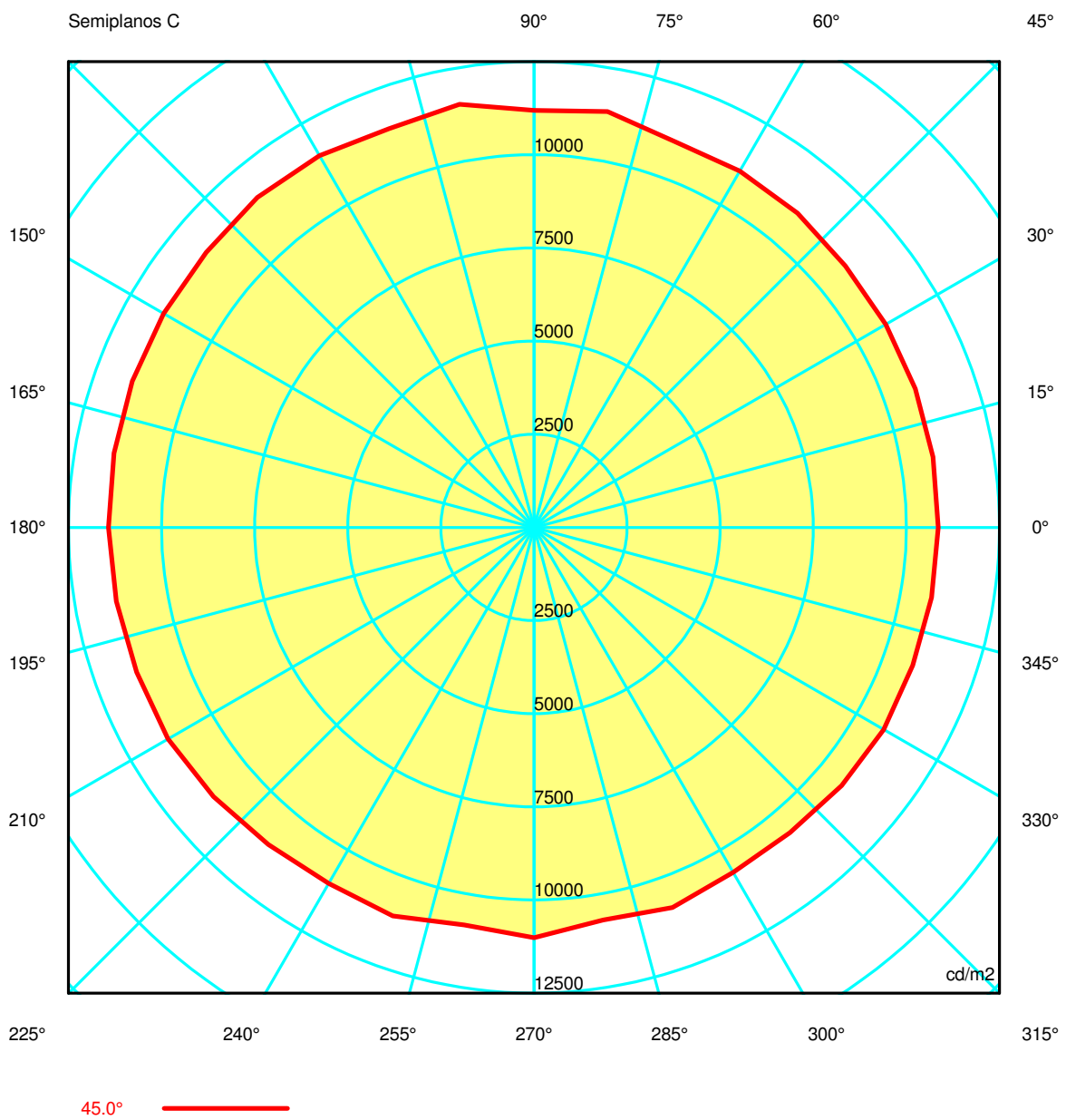
Código 15-4922-BY-M1
Nombre BOL

Ensayo

Código 15-4922-BY-M1
Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Luminancia



Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

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	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25
G 5.0	11606.77	11609.01	11616.36	11622.75	11629.78	11640.00	11653.42	11669.72	11688.89	11710.62	11703.27	11697.84	11694.00
G 10.0	11597.15	11605.87	11610.72	11618.80	11614.92	11615.57	11622.68	11636.25	11660.17	11697.34	11690.56	11694.43	11706.07
G 15.0	11484.42	11497.27	11517.71	11538.80	11578.67	11627.44	11613.60	11612.61	11628.10	11672.26	11674.57	11704.22	11747.06
G 20.0	11456.13	11460.53	11454.77	11461.55	11476.79	11522.86	11610.26	11589.59	11588.91	11635.66	11652.60	11714.59	11793.51
G 25.0	11314.43	11334.09	11350.95	11376.94	11407.15	11425.76	11493.90	11577.14	11542.72	11583.11	11628.41	11746.42	11724.65
G 30.0	11250.78	11276.51	11286.07	11287.54	11300.40	11340.10	11375.02	11509.07	11496.68	11515.42	11600.69	11714.27	11659.50
G 35.0	11107.69	11129.45	11160.93	11223.88	11244.86	11225.82	11256.13	11371.93	11445.76	11436.05	11575.16	11614.79	11600.42
G 40.0	11036.32	11037.15	11035.49	11048.78	11108.20	11175.52	11130.64	11210.84	11386.61	11335.50	11547.00	11507.52	11536.61
G 45.0	10855.56	10876.72	10890.68	10902.83	10913.63	11009.52	11043.73	11024.37	11334.98	11195.43	11534.85	11389.00	11525.40
G 50.0	10731.03	10766.19	10772.63	10753.81	10731.03	10743.41	10953.87	10851.37	11137.10	11043.01	11389.16	11284.67	11523.85
G 55.0	10477.58	10506.99	10545.28	10611.88	10590.79	10512.54	10584.68	10711.21	10853.28	10860.50	11164.61	11243.97	11233.43
G 60.0	10243.21	10241.94	10231.12	10241.94	10310.06	10352.71	10192.92	10562.16	10480.67	10599.72	10876.01	11234.43	10949.22
G 65.0	9881.79	9899.87	9886.31	9842.63	9797.44	9899.12	9938.28	9907.40	9975.94	10265.92	10502.42	10712.56	10828.55
G 70.0	9446.36	9486.38	9478.00	9417.51	9309.55	9166.23	9345.85	9248.13	9608.30	9716.26	10335.16	10255.12	10404.96
G 75.0	8836.51	8859.87	8852.50	8808.22	8717.21	8553.64	8280.61	8645.88	8886.93	9027.14	9932.31	9932.31	9580.57
G 80.0	7735.57	7720.91	7708.07	7680.58	7634.75	7577.93	7447.78	7070.17	7392.79	8065.52	8897.74	8719.93	9284.52
G 85.0	9148.75	9042.84	8783.53	8316.05	7629.44	6752.91	5719.34	6026.12	5620.73	7121.78	7771.87	8049.44	7362.83
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	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	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25
G 5.0	11692.41	11692.41	11692.41	11692.09	11690.49	11688.25	11685.06	11680.58	11672.92	11667.16	11667.48	11667.80	11670.68
G 10.0	11724.17	11741.30	11761.99	11765.87	11766.84	11761.99	11748.09	11723.52	11697.67	11671.49	11650.15	11637.55	11633.99
G 15.0	11798.14	11774.09	11752.67	11742.78	11730.92	11723.34	11707.85	11691.70	11673.91	11660.40	11649.19	11602.40	11583.61
G 20.0	11746.77	11736.60	11745.07	11758.62	11771.49	11774.54	11751.85	11721.70	11675.97	11625.16	11583.49	11560.12	11517.78
G 25.0	11709.19	11734.83	11731.32	11722.54	11710.60	11695.50	11674.07	11651.95	11651.95	11656.51	11559.58	11459.48	11441.22
G 30.0	11687.80	11693.32	11713.17	11732.28	11731.18	11702.87	11656.56	11600.69	11549.97	11528.29	11564.31	11434.19	11354.43
G 35.0	11639.28	11712.33	11718.16	11657.54	11626.84	11599.25	11561.17	11518.81	11473.35	11417.00	11390.97	11299.05	11238.64
G 40.0	11659.60	11638.83	11583.98	11573.59	11576.92	11576.50	11537.86	11478.02	11393.67	11303.08	11236.60	11259.45	11155.57
G 45.0	11557.81	11492.09	11485.34	11480.38	11457.88	11429.52	11388.10	11354.34	11350.29	11242.25	11102.25	11031.58	11097.75
G 50.0	11354.99	11366.38	11393.61	11412.43	11400.05	11350.04	11272.29	11190.09	11118.78	11109.86	11020.23	10805.31	10887.52
G 55.0	11205.12	11297.25	11315.01	11229.54	11177.38	11126.87	11067.49	10992.02	10913.22	10824.98	10833.30	10652.39	10513.65
G 60.0	11140.85	11093.74	10997.61	10970.87	10958.77	10937.13	10888.74	10805.98	10690.12	10538.60	10411.28	10502.95	10077.69
G 65.0	10799.17	10668.12	10702.76	10758.50	10764.52	10725.36	10650.04	10552.13	10439.90	10296.04	10042.97	9890.83	9810.24
G 70.0	10202.07	10391.00	10525.01	10586.44	10578.99	10516.64	10389.13	10215.10	10028.03	9844.69	9708.81	9306.76	9259.29
G 75.0	9940.92	10126.63	10029.47	9936.00	9840.07	9758.90	9660.51	9543.67	9393.63	9191.94	8953.34	8778.71	8169.93
G 80.0	9130.54	8928.90	8734.59	8567.79	8454.14	8377.15	8309.32	8258.00	8219.50	8164.51	8006.86	7601.76	7469.77
G 85.0	8250.31	8980.75	9503.02	9853.62	10054.50	10080.06	9904.76	9546.84	9057.45	8381.79	7596.57	6555.69	6453.43
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria

Código 15-4922-BY-M1

Nombre BOL

Ensayo

Código 15-4922-BY-M1

Nombre BOL

Flujo Luminaria	1064.40 lm	Potencia luminaria	20.90 W	Eficacia	50.93 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1064.40 lm	Valor Máximo	345.45 cd/klm	Posición	C=0.00 G=0.00	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	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25	11704.25
G 5.0	11677.39	11688.25	11663.97	11643.52	11628.18	11616.04	11604.86	11602.62	11603.58	11603.58
G 10.0	11642.07	11665.02	11614.28	11579.37	11556.42	11544.14	11547.37	11559.97	11569.67	11584.86
G 15.0	11588.89	11626.12	11547.36	11500.90	11484.09	11491.01	11478.16	11466.96	11473.88	11474.86
G 20.0	11513.38	11567.91	11456.81	11407.69	11400.58	11382.96	11389.40	11408.71	11429.03	11449.35
G 25.0	11421.90	11498.81	11352.01	11304.59	11291.60	11308.46	11359.38	11325.31	11302.13	11304.94
G 30.0	11311.43	11408.83	11229.47	11186.46	11205.21	11270.63	11186.83	11171.39	11188.67	11219.54
G 35.0	11182.30	11296.15	11083.21	11051.74	11161.32	11063.78	11026.87	11041.24	11064.95	11088.26
G 40.0	11023.85	11160.98	10908.75	10942.83	10958.20	10861.38	10881.33	10930.78	10987.70	11021.78
G 45.0	10830.36	11010.87	10697.11	10855.11	10692.16	10685.85	10778.59	10842.06	10821.80	10833.96
G 50.0	10631.50	10810.27	10474.52	10600.79	10417.57	10565.64	10591.88	10560.19	10606.74	10669.63
G 55.0	10384.90	10566.37	10214.53	10187.89	10208.98	10308.31	10231.73	10284.45	10363.25	10427.07
G 60.0	10147.08	10230.48	9940.82	9697.63	9966.92	9770.20	9854.24	9991.11	10109.52	10198.01
G 65.0	9872.00	9723.62	9612.90	9299.58	9218.99	9280.75	9494.65	9625.71	9726.64	9818.52
G 70.0	8921.46	9064.78	8589.21	8589.21	8518.48	8860.03	8854.45	9009.87	9185.77	9342.12
G 75.0	7873.53	8117.04	7376.67	7457.84	7875.99	7812.04	7933.79	8311.36	8575.78	8755.34
G 80.0	6897.86	6855.70	6089.47	6393.76	6313.11	6852.03	7101.33	7389.12	7581.59	7717.24
G 85.0	6110.13	5916.56	4634.64	5211.68	5609.78	6639.69	7351.87	8155.36	8703.18	9079.36
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00