



Citizen

LedsC4 Team

Réverbère IP65 Citizen LED 59W Blanc chaud - 3 000 K 1-10V Gris urbain 4257lm

Caractéristiques techniques

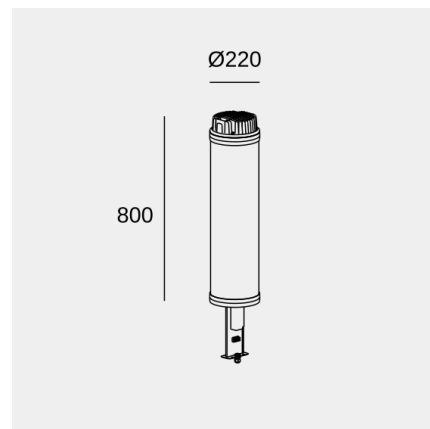
Puissance totale du luminaire: 59W
Lumens réels: 4257
Lm/W réels: 72
Température de couleur corrélée (CCT): Blanc chaud - 3 000 K
Angle des lentilles/Réflecteur: FLOOD 88°
UGR: <=22
Matière de la structure: Aluminium, Acier
Finition structure: Gris urbain
Matière du diffuseur: Polycarbonate
Finition diffuseur: Transparent
Marque Driver: MEANWELL
Tension/Fréquence: 100-240V/50-60Hz
Protocole de variation: 1-10V
Power Factor: 0.90
Durée de vie: 50,000h L80B20
Garantie: 5 ans
Résistance en milieu marin: Oui



Caractéristiques luminotechniques

Luminance C0°G65°: 855
CRI: 80
MacAdam steps: 2
Risque photobiologique: RG1

UGR		Douille	Quantité	Puissance source lumineuse (W)	Température de couleur corrélée (CCT)
S=0.250					
Plafond/Cavité	0.7	LED	1	54W	Blanc chaud - 3 000 K
Murs	0.5				
Plan De Travail	0.2				
Dimensions de la pièce	X=4H, Y=8H				
UGR transversal	19.3				
UGR longitudinal	20.6				



Il se peut que l'image ne corresponde pas à la référence. LedsC4 se réserve le droit de modifier l'un des éléments qui composent le produit. Les données relatives au flux, à la puissance et à la température de couleur peuvent être modifiées par le fabricant.



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Logistique



x 1

Poids net (kg): 7.46

Poids emballé (kg): 8.91

Emballage: 300mm x 320mm x
1215mm

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Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

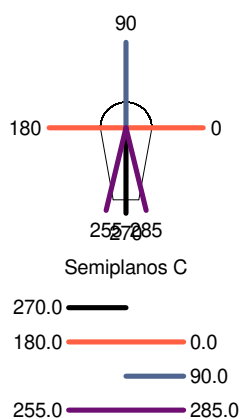
Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

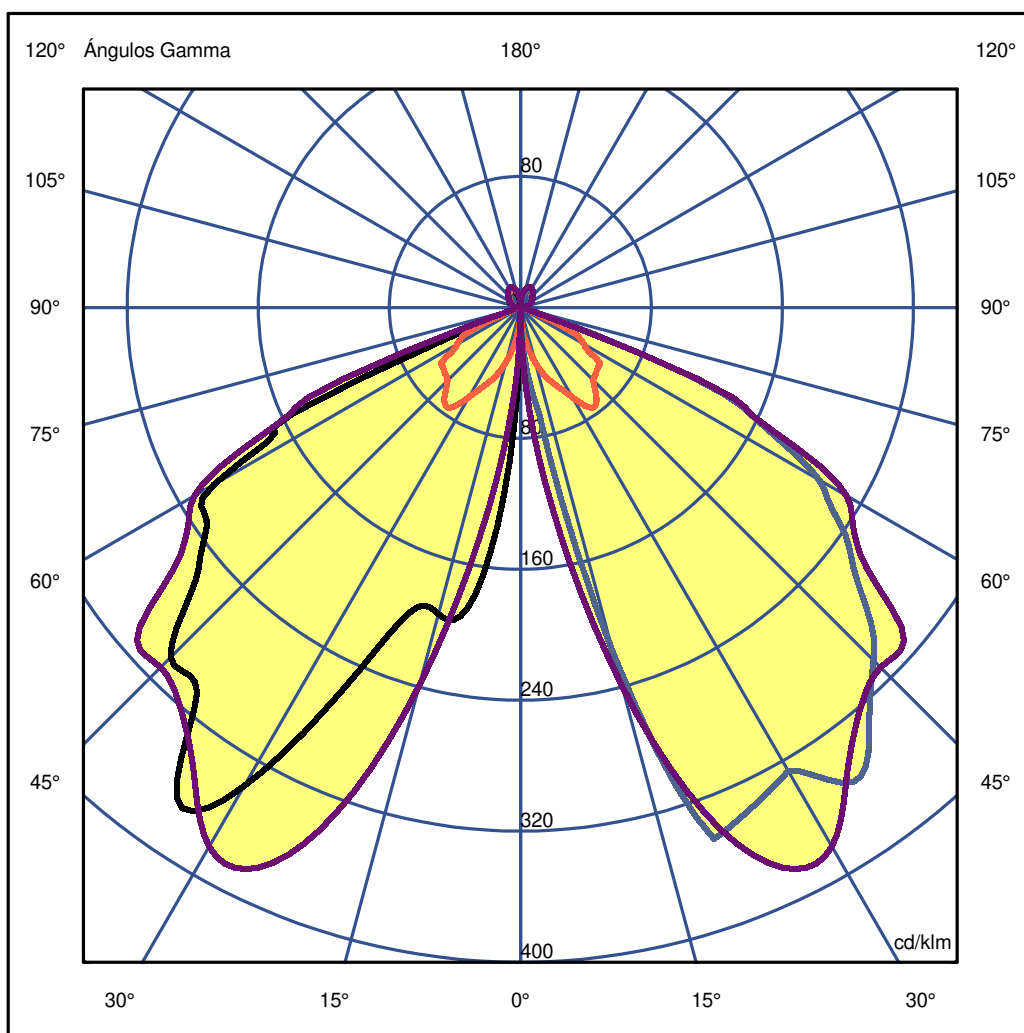
Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90
Luminaria Redonda		Diam.	230 mm	Altura	900 mm		
Área Luminosa Redonda		Diam.	230 mm	Altura	730 mm		
Área Luminosa Horizontal		0.041548 m2		Área Emisión sobre Pl. 180°		0.167900 m2	
Área Emisión sobre Pl. 0°		0.167900 m2		Área Emisión sobre Pl. 270°		0.167900 m2	
Área Emisión sobre Pl. 90°		0.167900 m2		Área de deslumbramiento a 76°		0.172964 m2	
Sist. de Coorden.		CG viales		Tipo de Simetría		Sim. en los planos 270-90	
Fecha		02-03-2017		Máximo Ángulo Gamma		180	
Distancia de Ensayo		0.00		Flujo de Ensayo		4257 lm	
Operador		Asselum T2		Tensión Nominal			
Temperatura				Corriente Nominal			
Humedad				Fotocélula			
Notas							

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	CITIZEN LED	CITIZEN LED	4257.10	59.00	1
C.I.E.	46 87 99 95 100	D DIN 5040	A31		



ULOR 4.90 %
DLOR 95.10 %
RN 4.90 %



Luminaria

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Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG Sim. en los planos 270-90	

Tabla de Intensidad Luminosa cd/klm Tabla 1/2

	C 270.00	C 285.00	C 300.00	C 310.00	C 315.00	C 320.00	C 325.00	C 330.00	C 335.00	C 340.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	186.51	141.24	132.93	138.29	149.50	144.24	199.65	153.50	186.39	122.55
G 20.0	198.35	328.32	332.29	336.45	346.83	254.77	307.58	260.90	305.53	235.80
G 30.0	337.77	380.23	321.73	375.87	358.67	336.93	340.58	362.57	346.06	339.25
G 35.0	365.82	347.67	338.72	344.90	346.58	336.88	343.27	349.13	348.85	348.32
G 40.0	307.28	322.09	298.99	312.85	314.05	305.12	304.96	317.94	310.77	328.29
G 45.0	302.08	310.85	291.07	316.73	312.32	286.59	296.74	290.89	295.09	299.20
G 47.5	281.94	312.50	284.89	310.24	299.52	287.19	287.76	290.10	287.62	294.23
G 50.0	258.80	303.54	274.71	298.22	283.24	277.10	274.80	281.52	277.24	287.86
G 52.5	245.93	270.31	251.23	276.77	262.32	261.25	262.23	266.84	263.74	278.72
G 55.0	233.85	250.47	233.25	254.36	248.18	245.94	249.79	258.73	249.34	265.31
G 57.5	230.01	240.08	225.42	238.29	240.06	234.40	234.58	242.47	204.72	224.06
G 60.0	216.32	229.69	213.05	226.95	207.42	221.83	184.33	203.98	176.58	193.41
G 62.5	169.38	199.83	159.82	205.34	164.64	183.68	162.77	178.37	148.22	170.30
G 65.0	153.52	156.24	137.91	155.48	142.06	150.74	114.79	148.69	84.28	134.11
G 67.5	29.05	131.53	63.84	131.17	65.36	118.46	33.63	89.83	18.37	66.66
G 70.0	5.46	40.69	7.20	42.62	8.44	38.74	6.54	20.21	5.94	13.91
G 72.5	4.69	6.43	4.74	6.39	4.68	6.36	4.58	5.83	4.81	5.79
G 75.0	4.15	4.94	4.35	4.71	4.17	4.62	4.14	4.65	4.24	5.00
G 77.5	3.81	4.31	4.08	4.22	3.90	4.00	3.80	4.01	3.97	4.31
G 80.0	3.49	3.84	3.87	3.85	3.68	3.72	3.59	3.77	3.74	4.02
G 82.5	3.14	3.59	3.36	3.64	3.37	3.52	3.30	3.54	3.43	3.73
G 85.0	2.62	3.26	2.73	3.30	2.75	3.22	2.66	3.20	2.82	3.36
G 87.5	2.48	2.81	2.61	2.81	2.66	2.78	2.56	2.71	2.62	2.66
G 90.0	2.74	2.61	2.79	2.60	2.83	2.59	2.81	2.56	2.81	2.61
G 92.5	3.04	2.87	3.17	2.85	3.15	2.80	3.13	2.80	3.12	2.82
G 95.0	3.42	3.23	3.66	3.18	3.63	3.14	3.49	3.12	3.52	3.13
G 97.5	3.80	3.63	4.10	3.58	4.13	3.53	3.99	3.48	4.05	3.48
G100.0	4.23	4.05	4.54	3.98	4.56	4.04	4.43	4.07	4.47	3.99
G102.5	4.83	4.70	4.99	4.63	5.03	4.57	4.95	4.50	4.91	4.48
G105.0	5.24	5.15	5.48	5.06	5.47	5.03	5.39	4.94	5.33	4.91
G120.0	7.80	7.99	8.36	7.82	8.34	7.75	8.13	7.64	8.08	7.59
G135.0	10.15	10.52	10.93	10.32	10.90	10.29	10.65	10.13	10.60	10.08
G150.0	12.17	13.61	14.14	13.57	14.20	13.50	14.04	13.28	13.79	13.10
G165.0	8.68	11.43	13.06	12.95	13.17	13.39	13.03	12.99	12.61	12.72
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71

	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	150.82	151.74	65.32	23.63	49.19	112.24	101.17	210.88	67.11	212.25
G 20.0	319.63	249.70	127.39	44.83	126.06	282.70	266.80	249.41	212.26	292.44
G 30.0	358.71	324.04	147.25	63.44	156.82	280.45	369.22	312.56	335.32	337.26
G 35.0	374.27	295.37	154.37	74.76	169.71	317.00	356.14	339.28	338.71	353.81
G 40.0	321.97	283.24	137.64	72.15	161.22	273.87	340.33	309.85	332.56	323.65
G 45.0	308.42	257.54	132.23	62.91	141.53	259.90	315.44	277.72	301.09	276.64
G 47.5	299.45	252.52	130.67	61.66	137.28	253.42	304.72	271.60	279.51	269.28
G 50.0	289.60	250.48	128.29	60.72	133.55	243.04	295.92	263.47	269.55	261.54
G 52.5	277.44	237.46	126.17	59.80	128.85	233.06	277.33	256.42	261.02	255.43
G 55.0	249.54	228.96	105.34	59.47	121.80	207.64	268.35	243.02	255.06	246.23
G 57.5	203.26	185.08	92.53	48.48	103.97	174.80	233.77	202.57	235.51	214.29
G 60.0	179.13	168.89	82.19	44.78	94.62	157.95	197.65	170.46	194.96	175.65
G 62.5	143.27	146.68	62.26	40.72	86.73	127.55	178.55	144.02	169.53	155.22
G 65.0	72.02	109.58	27.48	34.10	70.95	77.08	141.74	94.19	143.99	116.05
G 67.5	16.71	50.91	7.62	14.77	33.91	20.50	74.42	28.14	94.03	45.82
G 70.0	5.53	11.21	5.25	5.33	9.89	6.44	18.57	6.76	27.83	6.38
G 72.5	4.86	5.79	4.66	4.34	5.38	5.10	6.08	5.01	7.01	4.86
G 75.0	4.43	5.26	4.26	4.02	4.90	4.64	5.14	4.47	5.35	4.35
G 77.5	4.08	4.61	3.89	3.73	4.38	4.31	4.55	4.14	4.59	4.02
G 80.0	3.78	4.30	3.62	3.50	4.05	4.05	4.17	3.89	4.23	3.76
G 82.5	3.36	3.89	3.27	3.28	3.79	3.63	3.91	3.53	3.97	3.33
G 85.0	2.72	3.50	2.63	2.96	3.42	2.95	3.57	2.86	3.61	2.81
G 87.5	2.57	2.92	2.36	2.53	2.96	2.50	2.93	2.50	2.99	2.46
G 90.0	2.76	2.64	2.62	2.21	2.35	2.61	2.53	2.62	2.59	2.59
G 92.5	3.05	2.83	2.95	2.52	2.52	2.88	2.67	2.90	2.72	2.95
G 95.0	3.55	3.18	3.37	2.87	2.82	3.37	2.96	3.37	3.01	3.38
G 97.5	3.98	3.53	3.79	3.24	3.17	3.77	3.31	3.82	3.35	3.79
G100.0	4.39	4.00	4.22	3.67	3.64	4.19	3.78	4.24	3.87	4.21
G102.5	4.83	4.41	4.72	4.17	4.17	4.60	4.29	4.65	4.32	4.64
G105.0	5.30	4.93	5.16	4.70	4.58	5.07	4.72	5.09	4.76	5.17
G120.0	8.04	7.54	7.81	7.36	7.26	7.81	7.42	7.92	7.45	7.94
G135.0	10.40	9.85	10.05	9.62	9.56	10.06	9.87	10.25	9.94	10.34
G150.0	13.33	12.43	12.46	12.04	11.89	12.65	12.71	13.20	12.93	13.52
G165.0	11.87	11.28	10.66	10.76	11.06	10.90	12.76	11.39	13.36	11.92
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Ensayo

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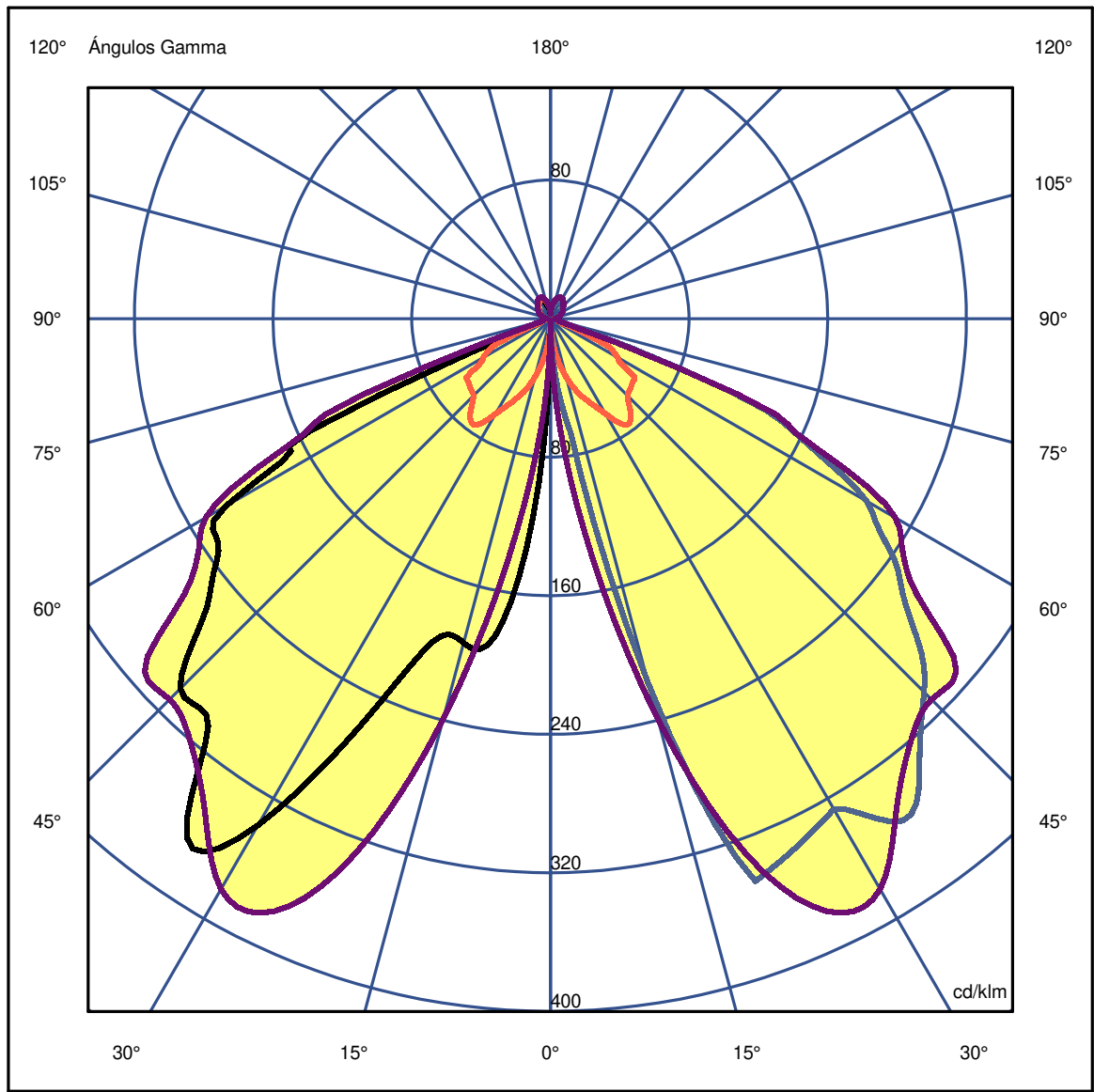
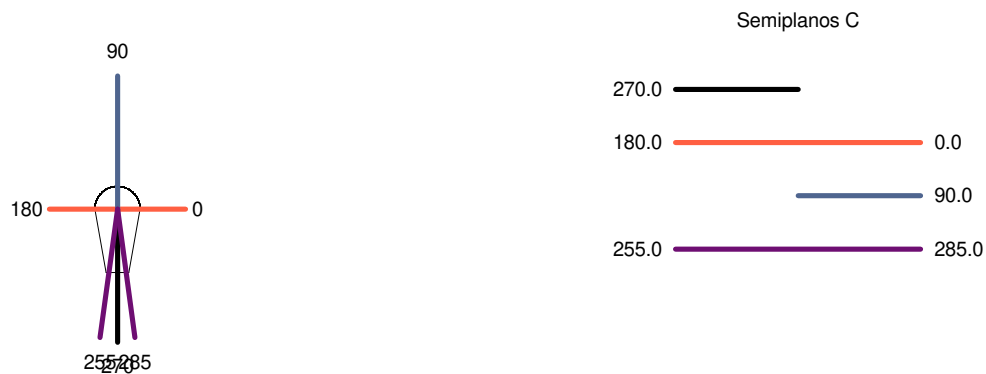
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Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

Tabla de Intensidad Luminosa cd/klm Tabla 2/2

	C 35.00	C 40.00	C 45.00	C 50.00	C 60.00	C 75.00	C 90.00
G 0.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87
G 10.0	62.17	119.52	76.05	155.45	87.06	175.27	66.82
G 20.0	219.19	316.00	275.64	304.64	265.83	310.38	345.61
G 30.0	315.70	360.45	371.43	343.83	332.24	362.62	326.92
G 35.0	328.94	351.82	359.80	320.97	352.65	350.09	353.92
G 40.0	314.71	319.14	345.45	313.53	328.75	341.12	331.20
G 45.0	287.40	280.31	309.42	276.56	293.28	309.43	304.75
G 47.5	266.92	270.09	292.07	262.62	282.70	272.97	291.63
G 50.0	260.28	259.31	280.11	250.18	273.41	261.87	271.66
G 52.5	251.43	245.71	260.07	237.79	258.49	247.45	255.21
G 55.0	242.08	232.95	246.87	224.58	236.85	228.89	242.14
G 57.5	230.17	211.13	230.78	203.73	219.58	218.53	223.85
G 60.0	202.83	166.61	209.71	187.38	203.28	188.90	210.53
G 62.5	168.05	133.87	171.29	159.42	191.36	167.70	182.34
G 65.0	145.31	108.90	137.99	125.83	155.34	141.24	155.42
G 67.5	107.64	64.51	116.80	70.93	130.17	89.77	124.89
G 70.0	44.69	8.42	69.84	9.78	68.71	7.76	49.83
G 72.5	8.59	4.83	11.03	4.91	8.14	5.47	8.43
G 75.0	5.04	4.27	5.06	4.39	5.21	4.88	5.50
G 77.5	4.29	3.96	4.31	3.95	4.58	4.45	4.60
G 80.0	4.00	3.73	4.02	3.77	4.13	4.14	4.20
G 82.5	3.76	3.44	3.82	3.53	3.96	3.84	3.95
G 85.0	3.45	2.88	3.57	3.08	3.76	3.36	3.73
G 87.5	2.83	2.54	2.95	2.61	3.33	2.80	3.30
G 90.0	2.53	2.65	2.63	2.69	2.73	2.72	2.68
G 92.5	2.66	3.03	2.71	3.01	2.76	3.06	2.59
G 95.0	2.97	3.38	3.03	3.38	3.08	3.53	2.88
G 97.5	3.32	3.89	3.38	3.78	3.45	3.96	3.21
G100.0	3.89	4.30	3.96	4.40	3.83	4.40	3.65
G102.5	4.32	4.75	4.42	4.86	4.48	4.86	4.15
G105.0	4.75	5.30	4.85	5.31	4.91	5.53	4.57
G120.0	7.50	8.03	7.66	8.07	7.74	8.32	7.22
G135.0	10.08	10.55	10.25	10.66	10.24	10.78	9.56
G150.0	13.13	13.68	13.40	14.00	13.49	13.81	12.05
G165.0	13.81	12.47	13.62	12.71	13.46	11.52	8.06
G180.0	2.71	2.71	2.71	2.71	2.71	2.71	2.71

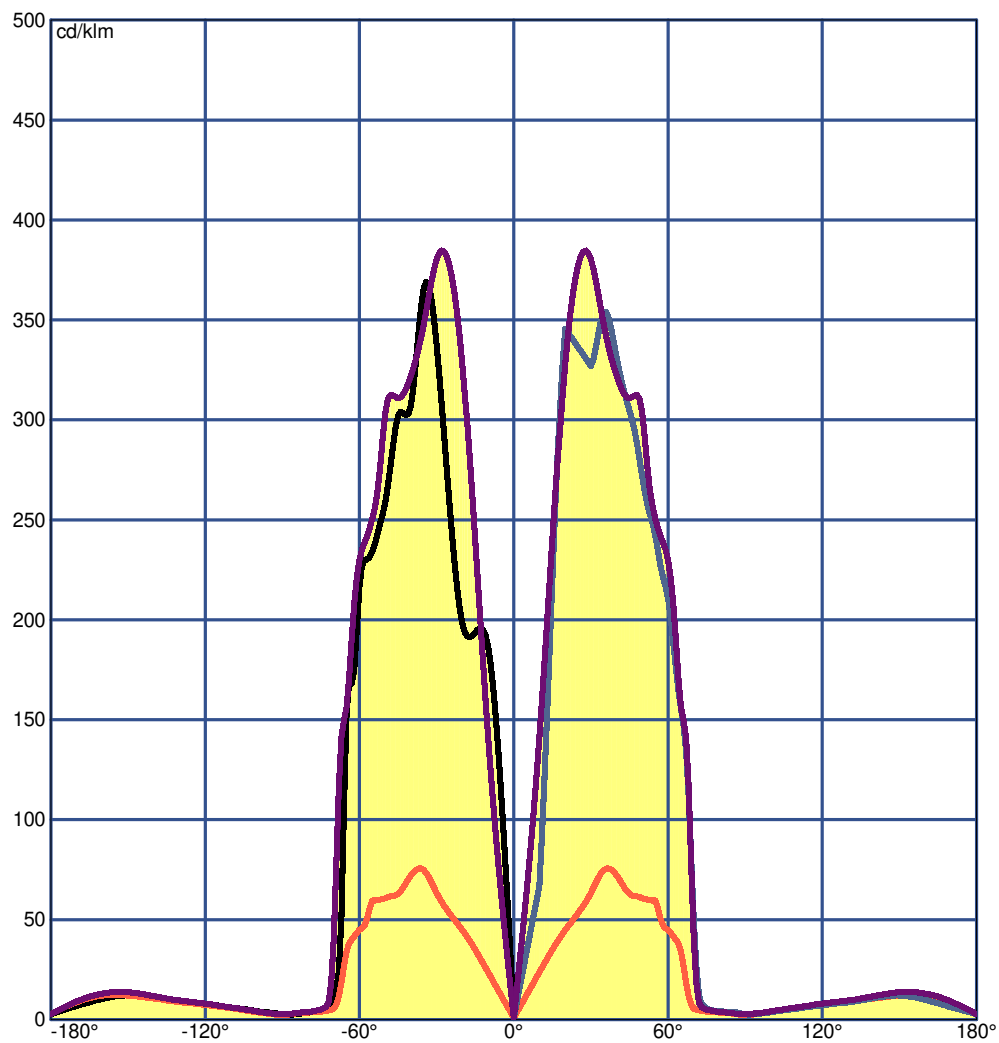
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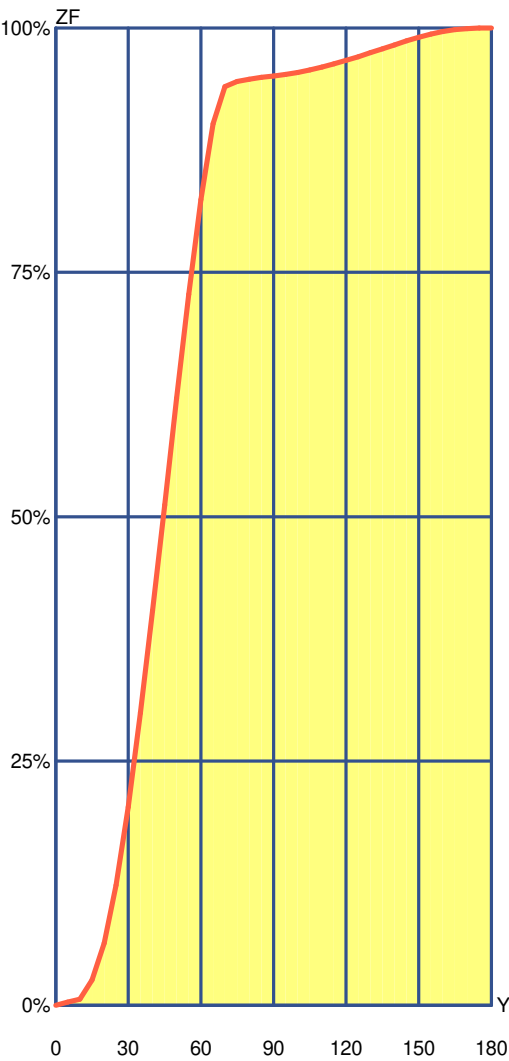
UGR
S = 0.250

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										
	Vista Lateral					Vista Longitudinal				
x=2H y=2H	19.0	20.2	19.3	20.5	20.9	20.2	21.4	20.5	21.7	22.1
x=2H y=3H	19.0	20.1	19.4	20.4	20.8	20.5	21.6	20.9	22.0	22.3
x=2H y=4H	18.9	19.9	19.3	20.3	20.7	20.4	21.5	20.8	21.8	22.2
x=2H y=6H	18.8	19.8	19.2	20.1	20.5	20.3	21.3	20.8	21.7	22.1
x=2H y=8H	18.7	19.7	19.2	20.0	20.5	20.3	21.2	20.7	21.6	22.0
x=2H y=12H	18.7	19.6	19.2	20.0	20.4	20.3	21.1	20.7	21.5	22.0
x=4H y=2H	19.4	20.5	19.9	20.8	21.2	20.5	21.5	20.9	21.9	22.3
x=4H y=3H	19.4	20.3	19.9	20.7	21.2	20.8	21.7	21.2	22.1	22.5
x=4H y=4H	19.4	20.1	19.8	20.6	21.0	20.7	21.5	21.2	21.9	22.4
x=4H y=6H	19.3	19.9	19.8	20.4	20.9	20.6	21.3	21.1	21.8	22.2
x=4H y=8H	19.3	19.9	19.8	20.3	20.8	20.6	21.2	21.1	21.7	22.2
x=4H y=12H	19.2	19.8	19.7	20.3	20.8	20.6	21.1	21.1	21.6	22.1
x=8H y=4H	19.3	19.9	19.8	20.3	20.9	20.6	21.2	21.1	21.7	22.2
x=8H y=6H	19.2	19.7	19.7	20.2	20.7	20.5	21.0	21.1	21.5	22.1
x=8H y=8H	19.1	19.6	19.7	20.1	20.7	20.5	20.9	21.0	21.4	22.0
x=8H y=12H	19.1	19.5	19.7	20.0	20.6	20.4	20.8	21.0	21.4	22.0
x=12H y=4H	19.2	19.8	19.8	20.3	20.8	20.6	21.1	21.1	21.6	22.1
x=12H y=6H	19.1	19.6	19.7	20.1	20.7	20.5	20.9	21.0	21.4	22.0
x=12H y=8H	19.1	19.5	19.7	20.0	20.6	20.4	20.8	21.0	21.4	22.0

Luminaria
Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED
Ensayo
Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

Flujo Total=4257.10 Flujo Luminaria=4257.10												
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	0.27	0.38	0.47	0.55	0.62	0.71	0.77	0.81	0.85	0.88	0.93	0.96
RC	6	5	5	5	4	4	4	4	4	4	4	5
Flujo Zonal por 1000 Lúmenes												
Y°	10	20	30	40	50	60	70	80	90	100	110	120
ZF(Y)	6	64	203	404	621	825	940	947	951	955	960	967
Códigos de Flujo C.I.E.												
46 87 99 95 100												
C.I.E.	6/5/5/5/4/4/4/4/4/4/5											
D DIN 5040	A31											
F UTE	0.95 F + 0.05 T											
B NBN	BZ 5 / 1 / BZ 4											
RN	4.90188 %											
BLF	1.0											
LOR	100.00000 %											
ULOR	4.90188 %											
DLOR	95.09812 %											
UFF	4.90188 %											
DFF	95.09812 %											
FFR	5.15455 %											



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	3.12	3.12	0.31 %	0.31 %
10°	3.12	6.24	0.31 %	0.62 %
15°	19.59	25.83	1.96 %	2.58 %
20°	37.74	63.57	3.77 %	6.36 %
25°	59.40	122.96	5.94 %	12.30 %
30°	79.72	202.68	7.97 %	20.27 %
35°	96.31	298.99	9.63 %	29.90 %
40°	105.02	404.01	10.50 %	40.40 %
45°	107.94	511.94	10.79 %	51.19 %
50°	109.23	621.18	10.92 %	62.12 %
55°	106.44	727.62	10.64 %	72.76 %
60°	96.95	824.57	9.69 %	82.46 %
65°	77.36	901.93	7.74 %	90.19 %
70°	38.16	940.09	3.82 %	94.01 %
75°	5.12	945.21	0.51 %	94.52 %
80°	2.28	947.49	0.23 %	94.75 %
85°	1.94	949.43	0.19 %	94.94 %
90°	1.55	950.98	0.16 %	95.10 %
95°	1.60	952.58	0.16 %	95.26 %
100°	2.00	954.59	0.20 %	95.46 %
105°	2.47	957.06	0.25 %	95.71 %
110°	2.93	959.98	0.29 %	96.00 %
115°	3.30	963.29	0.33 %	96.33 %
120°	3.59	966.88	0.36 %	96.69 %
125°	3.81	970.68	0.38 %	97.07 %
130°	3.96	974.64	0.40 %	97.46 %
135°	4.06	978.70	0.41 %	97.87 %
140°	4.09	982.79	0.41 %	98.28 %
145°	3.98	986.76	0.40 %	98.68 %
150°	3.72	990.48	0.37 %	99.05 %
155°	3.30	993.78	0.33 %	99.38 %
160°	2.71	996.49	0.27 %	99.65 %
165°	1.93	998.42	0.19 %	99.84 %
170°	1.06	999.48	0.11 %	99.95 %
175°	0.42	999.90	0.04 %	99.99 %
180°	0.10	1000.00	0.01 %	100.00 %

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

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	254	229	211	191	217	182	143	121	121	103	79	60	49	34	96	64	56	40	32	53	34	29	18				
0.80	288	264	221	204	251	195	173	151	134	118	91	72	58	43	110	76	68	49	41	65	42	37	22				
1.00	311	289	222	208	275	199	197	176	142	127	99	82	66	51	119	85	77	57	49	74	50	45	25				
1.25	330	311	218	206	296	198	222	201	147	134	107	91	75	60	126	93	86	66	57	82	58	53	27				
1.50	344	326	213	204	311	196	241	222	149	139	112	98	82	68	131	99	93	73	65	89	66	60	29				
2.00	362	347	202	195	331	189	271	254	151	143	120	108	93	80	135	108	103	85	77	98	78	72	33				
2.50	374	362	194	189	345	183	293	277	152	145	125	115	102	90	138	114	110	94	87	105	87	81	35				
3.00	383	372	189	184	356	179	309	295	152	147	129	120	108	97	140	119	115	101	94	111	94	88	37				
4.00	395	387	182	179	370	175	332	320	154	149	135	127	117	108	143	126	123	110	105	118	104	99	39				
5.00	404	397	178	176	380	172	347	337	154	151	138	132	123	116	145	130	128	117	112	124	111	106	41				
10.00	422	418	170	169	402	166	382	376	156	154	146	143	137	133	149	141	139	132	129	135	128	123	45				
20.00	432	430	165	164	413	162	402	399	156	155	151	149	146	143	151	146	145	141	140	142	137	133	47				

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	474	460	419	409	453	403	357	347	326	318	273	265	235	230	314	266	264	231	229	262	229	227	208
0.80	524	510	447	438	499	431	406	395	359	351	308	300	270	263	345	300	297	265	262	294	262	259	236
1.00	555	541	459	451	528	443	440	428	378	370	330	321	293	286	363	321	317	287	283	314	283	280	253
1.25	579	566	463	456	550	447	469	456	391	383	347	338	312	304	374	336	333	305	301	328	300	295	266
1.50	595	583	464	458	565	448	490	477	398	391	358	349	325	317	381	347	343	318	313	337	311	306	274
2.00	607	596	452	448	575	438	512	500	398	392	365	357	337	328	381	352	349	327	323	342	320	313	277
2.50	615	606	444	440	582	431	528	516	398	393	369	362	344	336	380	355	352	334	329	344	325	317	278
3.00	619	611	437	434	586	424	538	527	396	391	371	364	349	341	378	357	354	337	333	344	328	319	278
4.00	632	625	435	432	598	423	558	549	400	396	379	374	361	354	382	365	362	349	345	351	338	328	284
5.00	645	639	438	436	610	426	576	568	407	404	389	384	373	367	389	374	372	360	357	360	348	337	291
10.00	692	688	463	462	656	452	636	630	441	439	430	427	420	416	423	414	412	405	403	398	391	378	327
20.00	742	740	501	501	706	491	694	691	485	484	478	476	472	469	467	461	460	455	454	445	440	425	373

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	557	543	520	508	533	501	416	407	401	393	333	326	284	279	387	326	323	280	278	321	278	276	258
0.80	682	665	628	616	651	606	536	524	511	502	444	434	393	386	494	433	430	387	383	426	383	379	361
1.00	775	758	706	695	741	683	631	616	596	586	531	520	481	472	575	518	514	473	469	509	467	463	445
1.25	862	846	777	767	824	754	722	706	676	666	616	604	567	557	652	600	596	558	552	588	550	544	526
1.50	925	909	826	817	884	803	789	773	733	724	677	665	632	621	708	660	655	620	614	646	611	603	586
2.00	1000	999	893	886	969	871	888	872	814	806	767	756	728	716	787	747	743	713	707	731	701	690	674
2.50	1000	1000	932	926	1000	911	951	936	863	856	823	812	788	776	835	801	797	771	765	782	756	744	728
3.00	1000	1000	958	953	1000	937	996	981	897	890	862	851	831	819	868	838	834	812	805	818	795	781	766
4.00	1000	1000	988	984	1000	968	1000	1000	936	931	907	899	882	871	906	882	878	860	854	859	841	824	809
5.00	1000	1000	1000	1000	1000	986	1000	1000	959	954	935	927	912	903	928	908	905	889	884	884	868	849	834
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	990	986	977	970	973	961	959	949	946	933	924	900	885
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	990	989	983	981	961	955	928	914

LM53 SHR C0-C180: 5.077 SHR C90-C270: 6.065 SHR Superficial: 1.560

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Ensayo

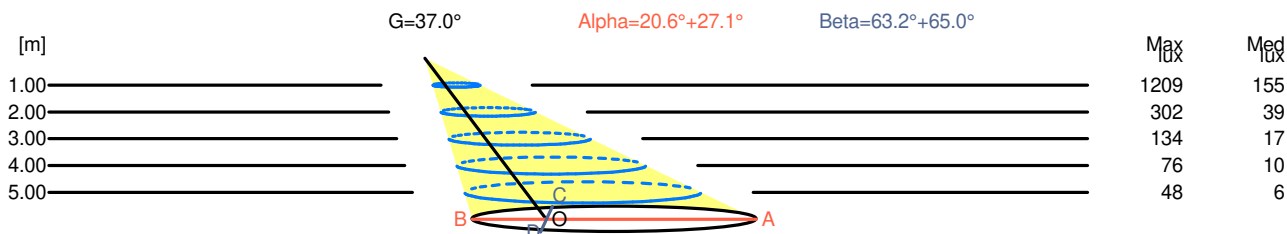
Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

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	1.30	2.61	3.91	5.22	6.52	OC	2.48	4.95	7.43	9.91	12.39
OB	0.46	0.92	1.38	1.84	2.30	OD	2.69	5.38	8.06	10.75	13.44

				Intensidades Luminosas [cd/klm]							
	0	5	15	25	35	45	55	65	75	85	
OA	3.71	52.11	148.38	226.51	318.26	267.81	253.16	145.16	17.11	12.62	
OB	3.71	52.11	148.38	226.51	318.26	267.81	253.16	145.16	17.11	12.62	
OC	3.71	144.07	928.50	1431.52	1506.68	1297.33	1030.83	661.63	23.43	15.88	
OD	3.71	489.41	824.98	1101.23	1557.33	1285.97	995.51	653.54	17.68	11.17	



H[m]	D[m]	Max lux	Med lux	Alpha=20.6°+27.1°	G=37.0
1.00	1.76	1209	155		
2.00	3.53	302	39		
3.00	5.29	134	17		
4.00	7.06	76	10		
5.00	8.82	48	6		

H[m]	D[m]	Max lux	Med lux	Beta=65.0°+63.2°	G=0.0
1.00	5.17	1209	155		
2.00	10.33	302	39		
3.00	15.50	134	17		
4.00	20.66	76	10		
5.00	25.83	48	6		

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

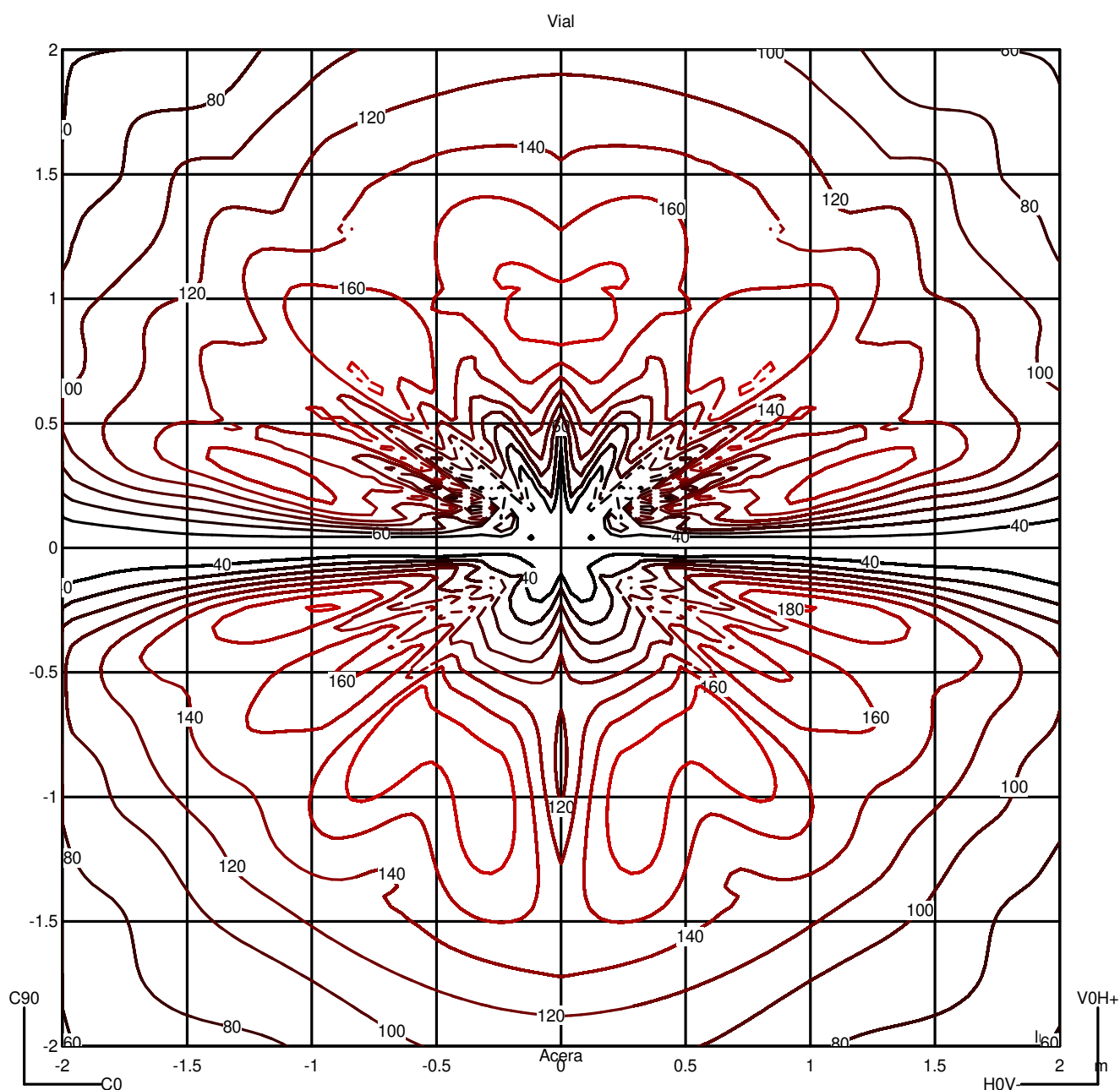
Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

Isolux (Suelo)

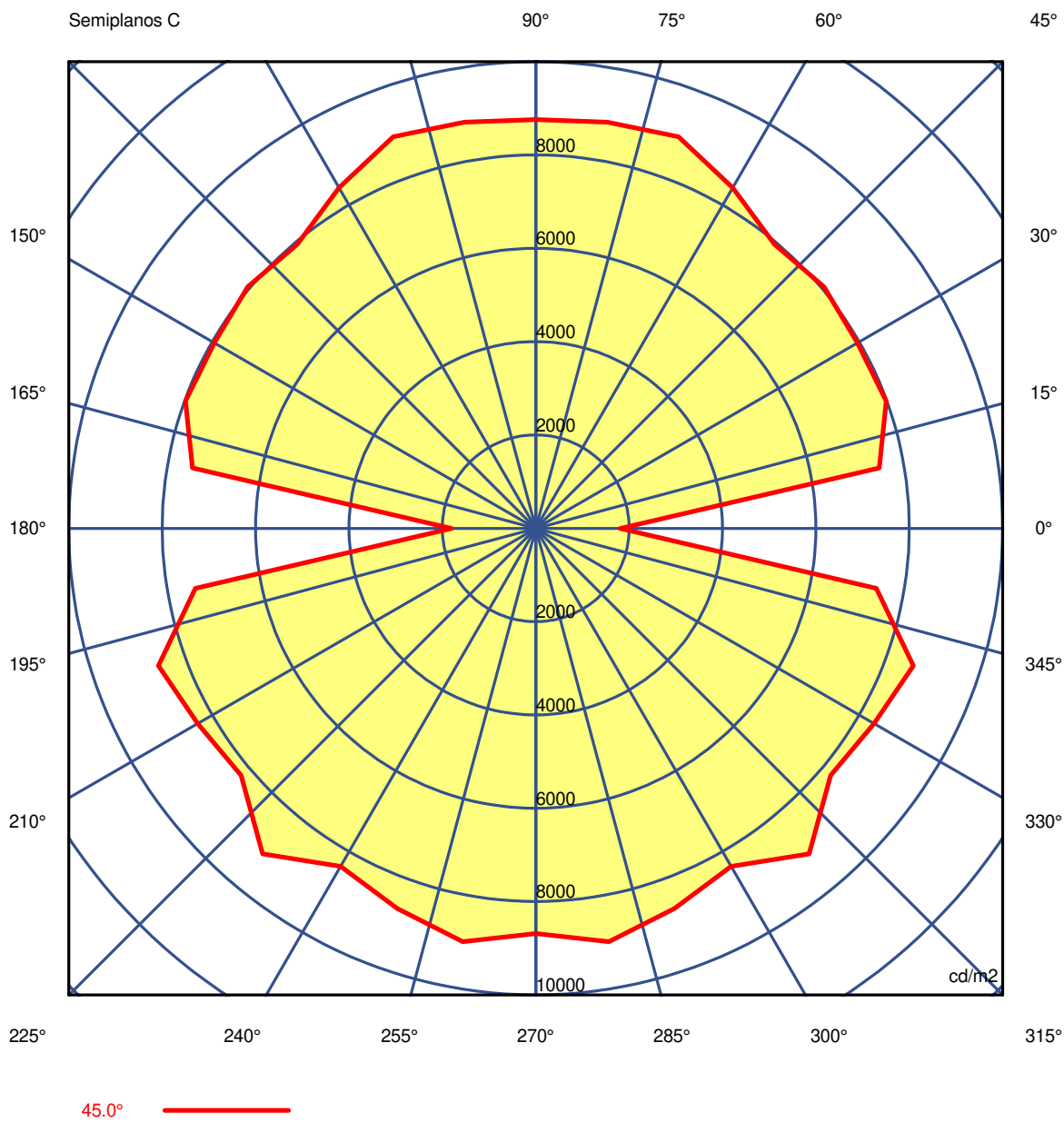
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria
Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED
Ensayo
Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

Luminancia



Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

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	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	930.20	3394.42	9394.58	9019.98	3697.41	5821.52	2400.57	4769.64	6904.65	2571.69	6904.65	4769.64	2400.57
G 10.0	1435.88	6818.73	12811.82	12895.12	7261.12	9443.98	5289.23	8200.30	10361.55	4059.27	10361.55	8200.30	5289.23
G 15.0	1775.10	10743.94	12283.68	13502.85	11366.58	12055.61	9108.86	11532.96	13235.66	11108.08	13235.66	11532.96	9108.86
G 20.0	1978.21	12475.39	11006.51	12905.51	13945.08	13443.93	11731.05	12480.69	14525.70	15251.88	14525.70	12480.69	11731.05
G 25.0	2085.49	11036.44	10744.90	12309.65	13949.45	13420.40	12119.17	13028.02	13906.87	13180.07	13906.87	13028.02	12119.17
G 30.0	2251.73	9955.08	11094.73	11971.32	12794.68	12204.52	11793.09	12641.59	12706.21	11604.45	12706.21	12641.59	11793.09
G 35.0	2441.82	10354.07	11081.50	11556.27	11491.09	10483.56	11518.44	11462.68	11476.48	11559.85	11476.48	11462.68	11518.44
G 40.0	2197.72	8342.63	9438.64	9859.05	9721.57	9550.88	10014.47	10467.94	10290.08	10089.14	10290.08	10467.94	10014.47
G 45.0	1808.30	7470.55	7983.01	7951.81	8057.45	7949.47	8430.12	8934.09	8841.94	8759.72	8841.94	8934.09	8430.12
G 50.0	1664.22	6661.06	7221.18	7168.20	7106.97	6856.75	7493.56	7282.75	7113.67	7445.45	7113.67	7282.75	7493.56
G 55.0	1568.82	5477.75	6411.31	6495.89	6145.70	5924.87	6248.58	6108.59	6040.33	6388.11	6040.33	6108.59	6248.58
G 60.0	1147.03	4046.25	4366.68	4499.70	4268.17	4800.20	5207.45	4961.96	4851.24	5393.16	4851.24	4961.96	5207.45
G 65.0	855.26	1933.38	2362.53	2910.81	2731.46	3156.12	3896.20	3660.49	3504.35	3898.17	3504.35	3660.49	3896.20
G 70.0	132.04	159.52	167.43	158.04	208.31	242.13	1700.74	694.99	52.18	1233.44	52.18	694.99	1700.74
G 75.0	98.93	114.34	110.01	106.97	105.18	107.95	128.32	122.88	120.28	135.48	120.28	122.88	128.32
G 80.0	86.24	99.84	96.02	92.69	92.12	92.89	101.95	102.13	102.68	103.61	102.68	102.13	101.95
G 85.0	73.85	73.49	71.37	69.89	71.66	76.78	93.77	87.07	82.63	92.91	82.63	87.07	93.77
G 90.0	56.05	66.29	66.42	65.58	67.19	68.16	69.23	69.18	68.83	68.07	68.83	69.18	69.23

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG Sim. en los planos	270-90

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	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	5821.52	3697.41	9019.98	9394.58	3394.42	930.20	6257.90	4785.60	6286.63	5752.33	4559.53	4070.78	4268.22
G 10.0	9443.98	7261.12	12895.12	12811.82	6818.73	1435.88	9218.57	7445.05	9325.59	8763.13	8401.57	8075.83	8263.62
G 15.0	12055.61	11366.58	13502.85	12283.68	10743.94	1775.10	10308.79	9092.05	10569.00	10307.62	12392.44	12597.76	12317.33
G 20.0	13443.93	13945.08	12905.51	11006.51	12475.39	1978.21	11019.50	10405.89	11513.58	11243.05	14847.42	14664.04	14547.31
G 25.0	13420.40	13949.45	12309.65	10744.90	11036.44	2085.49	11866.82	11589.98	12699.89	11920.45	14841.77	12817.37	14156.47
G 30.0	12204.52	12794.68	11971.32	11094.73	9955.08	2251.73	11502.02	12042.18	12869.72	11959.76	13341.86	11420.34	12607.10
G 35.0	10483.56	11491.09	11556.27	11081.50	10354.07	2441.82	9647.56	11377.03	11403.41	11003.20	11265.34	11063.37	11200.03
G 40.0	9550.88	9721.57	9859.05	9438.64	8342.63	2197.72	8628.03	10000.31	9685.17	9294.54	9530.01	9107.90	9561.47
G 45.0	7949.47	8057.45	7951.81	7983.01	7470.55	1808.30	7402.70	8600.29	8361.39	8237.72	9104.16	8366.50	8668.77
G 50.0	6856.75	7106.97	7168.20	7221.18	6661.06	1664.22	6865.08	7889.49	7715.81	7594.55	8173.63	7529.19	8021.40
G 55.0	5924.87	6145.70	6495.89	6411.31	5477.75	1568.82	6040.20	6999.31	6825.64	6488.31	6710.40	6153.55	6396.28
G 60.0	4800.20	4268.17	4499.70	4366.68	4046.25	1147.03	4326.61	4954.75	5225.44	5682.86	5813.83	5457.85	5741.98
G 65.0	3156.12	2731.46	2910.81	2362.53	1933.38	855.26	2748.40	3363.81	3729.33	3780.91	3899.64	3459.17	3765.65
G 70.0	242.13	208.31	158.04	167.43	159.52	132.04	277.46	344.32	500.16	958.87	1054.93	178.34	566.52
G 75.0	107.95	105.18	106.97	110.01	114.34	98.93	129.48	123.06	114.37	113.70	116.00	107.14	115.29
G 80.0	92.89	92.12	92.69	96.02	99.84	86.24	106.09	99.12	92.93	91.69	95.05	95.52	95.24
G 85.0	76.78	71.66	69.89	71.37	73.49	73.85	87.08	83.62	79.78	80.33	82.15	67.89	74.16
G 90.0	68.16	67.19	65.58	66.42	66.29	56.05	66.87	66.23	65.00	65.59	66.00	70.72	67.76

Luminaria

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

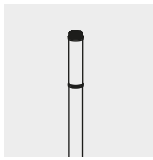
Ensayo

Código 60-3239-Z5-CLV2
Nombre Capçal CITIZEN LED

Flujo Luminaria	4257 lm	Potencia Luminaria	59.0 W	Eficacia	72.154 lm/W	Eficiencia	100.00%
Flujo Fuente	4257 lm	Valor Máximo	380.23 cd/klm	Posición	C=285.00 G=30.00	CG	Sim. en los planos 270-90

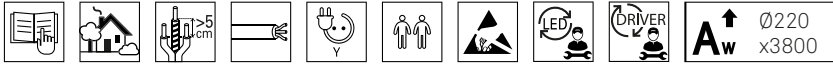
Luminance cd/m2 Tabla 3/3

	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	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19	89.19
G 5.0	5868.49	8735.90	5868.49	4268.22	4070.78	4559.53	5752.33	6286.63	4785.60	6257.90
G 10.0	9262.58	11331.21	9262.58	8263.62	8075.83	8401.57	8763.13	9325.59	7445.05	9218.57
G 15.0	11488.61	9869.70	11488.61	12317.33	12597.76	12392.44	10307.62	10569.00	9092.05	10308.79
G 20.0	13067.12	8753.14	13067.12	14547.31	14664.04	14847.42	11243.05	11513.58	10405.89	11019.50
G 25.0	14126.78	10139.05	14126.78	14156.47	12817.37	14841.77	11920.45	12699.89	11589.98	11866.82
G 30.0	13566.73	11989.72	13566.73	12607.10	11420.34	13341.86	11959.76	12869.72	12042.18	11502.02
G 35.0	11539.20	11948.49	11539.20	11200.03	11063.37	11265.34	11003.20	11403.41	11377.03	9647.56
G 40.0	9823.79	9360.22	9823.79	9561.47	9107.90	9530.01	9294.54	9685.17	10000.31	8628.03
G 45.0	8996.57	8683.02	8996.57	8668.77	8366.50	9104.16	8237.72	8361.39	8600.29	7402.70
G 50.0	8197.74	7093.12	8197.74	8021.40	7529.19	8173.63	7594.55	7715.81	7889.49	6865.08
G 55.0	6609.24	6169.24	6609.24	6396.28	6153.55	6710.40	6488.31	6825.64	6999.31	6040.20
G 60.0	5913.95	5541.58	5913.95	5741.98	5457.85	5813.83	5682.86	5225.44	4954.75	4326.61
G 65.0	4014.14	3850.51	4014.14	3765.65	3459.17	3899.64	3780.91	3729.33	3363.81	2748.40
G 70.0	1020.36	135.12	1020.36	566.52	178.34	1054.93	958.87	500.16	344.32	277.46
G 75.0	120.33	102.25	120.33	115.29	107.14	116.00	113.70	114.37	123.06	129.48
G 80.0	92.83	86.16	92.83	95.24	95.52	95.05	91.69	92.93	99.12	106.09
G 85.0	80.95	65.36	80.95	74.16	67.89	82.15	80.33	79.78	83.62	87.08
G 90.0	65.78	69.50	65.78	67.76	70.72	66.00	65.59	65.00	66.23	66.87



CITIZEN

LedsC4



A_w $\uparrow$ $\varnothing 220$
 $\times 3800$

