

# LEDS C4<sup>®</sup>

## Luminaria

Código 05-6399-14-DU  
Nombre APLIC

## Ensayo

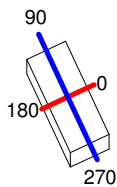
Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico
Luminaria Rectangular		Longit.	180 mm	Anchura	75 mm	Altura	30 mm
Área Luminosa Rectangular		Longit.	175 mm	Anchura	70 mm	Altura	0 mm
Área Luminosa Horizontal		0.012250 m2		Área Emisión sobre Pl. 180°		0.000000 m2	
Área Emisión sobre Pl. 0°		0.000000 m2		Área Emisión sobre Pl. 270°		0.000000 m2	
Área Emisión sobre Pl. 90°		0.000000 m2		Área de deslumbramiento a 76°		0.002964 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Asimétrico	
Fecha		29-01-2018		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		1041.97 lm	
Operador		qualitat		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.
	5630 LM561B	05-6399-14-OU	1041.97	13.50	1
C.I.E.	59 87 97 100 100	D DIN 5040	A40		
F UTE	1.00 D	B NBN	BZ 3		

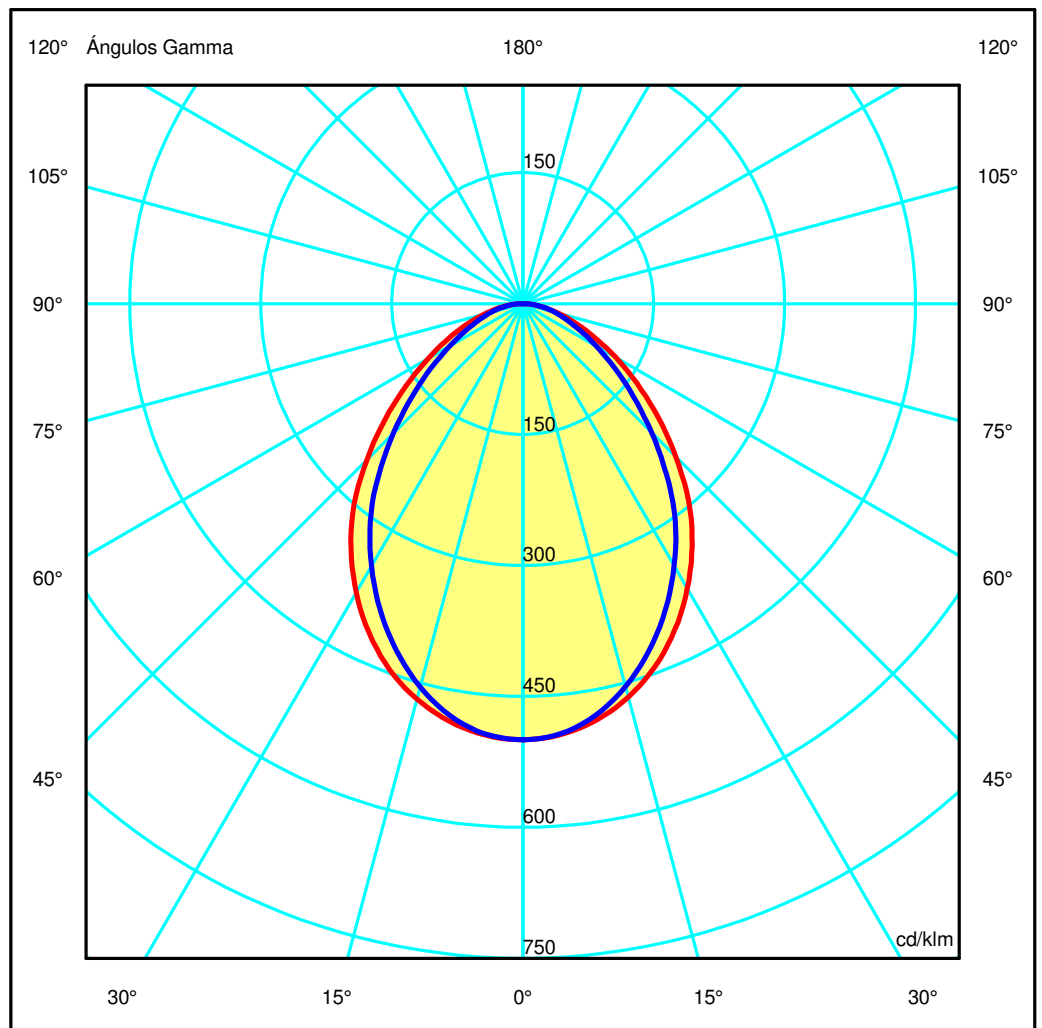
180mm x 75mm



Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%						
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico						
<b>Tabla de Intensidad Luminosa cd/klm</b>													
<b>Tabla 1/4</b>													
	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	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45
G 1.0	499.25	499.23	499.26	499.05	499.19	499.17	499.26	499.20	499.27	499.28	499.43	499.36	499.35
G 2.0	498.71	498.55	498.65	498.44	498.57	498.45	498.57	498.54	498.72	498.72	499.05	499.00	499.04
G 3.0	497.99	497.74	497.72	497.44	497.54	497.35	497.57	497.48	497.90	497.95	498.36	498.29	498.45
G 4.0	496.94	496.61	496.68	496.13	496.20	496.02	496.34	496.17	496.60	496.78	497.35	497.32	497.37
G 5.0	495.42	495.12	495.11	494.44	494.62	494.17	494.52	494.44	495.07	495.08	495.91	495.95	496.02
G 6.0	493.92	493.52	493.39	492.58	492.56	491.94	492.37	492.18	493.12	493.31	494.30	494.38	494.53
G 7.0	491.86	491.29	491.19	490.06	490.06	489.13	489.56	489.40	490.59	490.95	492.30	492.33	492.56
G 8.0	489.79	489.06	488.88	487.42	487.16	485.94	486.30	486.16	487.75	488.41	490.09	490.28	490.57
G 9.0	487.14	486.38	485.99	484.24	483.75	482.30	482.69	482.60	484.55	485.43	487.47	487.84	488.22
G 10.0	484.40	483.48	483.03	480.87	480.11	478.38	478.83	478.71	480.79	482.25	484.74	485.22	485.56
G 11.0	481.44	480.29	479.63	477.09	476.07	474.02	474.48	474.47	476.96	478.64	481.50	482.35	482.86
G 12.0	478.05	476.82	475.84	472.78	471.75	469.49	469.87	469.97	472.74	474.60	478.06	478.97	479.51
G 13.0	474.56	473.16	472.12	468.53	467.08	464.58	465.01	465.08	468.25	470.56	474.44	475.67	476.34
G 14.0	470.48	468.90	467.67	463.65	462.14	459.36	459.68	459.92	463.45	465.92	470.31	471.68	472.59
G 15.0	466.68	464.89	463.31	458.89	457.01	453.91	454.27	454.57	458.47	461.37	466.24	467.87	468.94
G 16.0	462.04	460.07	458.30	453.64	451.55	448.19	448.40	448.83	453.15	456.31	461.40	463.40	464.68
G 17.0	457.74	455.56	453.29	448.32	445.92	442.21	442.40	442.94	447.77	451.19	456.77	459.33	460.52
G 18.0	452.79	450.37	447.75	442.58	439.90	435.93	436.07	436.79	441.94	445.68	451.53	454.47	456.02
G 19.0	447.83	445.24	442.23	436.58	433.76	429.61	429.64	430.42	435.88	440.04	446.35	449.66	451.01
G 20.0	442.55	439.75	436.32	430.49	427.34	422.91	422.89	423.91	429.54	434.06	440.68	444.53	446.16
G 21.0	436.85	433.94	430.15	423.83	420.69	416.00	415.95	416.97	423.07	427.67	434.80	438.87	440.48
G 22.0	431.15	428.08	424.11	417.44	413.85	408.91	408.90	409.96	416.30	421.48	428.90	433.37	435.12
G 23.0	424.91	421.64	417.35	410.33	406.76	401.70	401.65	402.70	409.36	414.51	422.43	427.03	428.89
G 24.0	418.91	415.53	410.93	403.49	399.62	394.36	394.31	395.44	402.31	407.97	416.28	421.16	422.99
G 25.0	411.97	408.52	403.74	396.17	392.12	386.70	386.69	387.79	394.92	400.79	409.26	414.24	416.39
G 26.0	405.58	402.04	397.06	388.93	384.59	379.00	378.90	380.32	387.52	393.74	402.70	408.01	409.95
G 27.0	398.51	394.88	389.62	381.35	376.68	371.06	371.00	372.31	379.79	386.27	395.56	400.96	403.19
G 28.0	391.51	387.75	382.36	373.58	368.83	363.11	363.01	364.42	372.03	378.72	388.45	394.15	396.19
G 29.0	384.22	380.41	374.72	365.81	360.75	354.93	354.91	356.29	364.03	371.07	380.96	386.89	389.20
G 30.0	376.80	372.90	366.96	357.58	352.71	346.69	346.70	348.09	356.06	363.03	373.44	379.35	381.65
G 31.0	369.45	365.47	359.41	349.71	344.43	338.45	338.50	339.85	347.88	355.21	365.96	372.25	374.53
G 32.0	361.53	357.44	351.25	341.14	336.10	329.98	330.04	331.49	339.72	346.73	358.00	364.11	366.56
G 33.0	354.15	349.95	343.54	333.03	327.59	321.62	321.72	323.15	331.37	338.84	350.41	356.87	359.14
G 34.0	345.76	341.50	335.22	324.28	318.93	312.87	312.99	314.41	322.72	330.18	342.05	348.42	351.18
G 35.0	338.19	333.67	327.19	315.73	310.20	304.15	304.30	305.67	313.99	321.84	334.21	340.76	343.17
G 36.0	329.76	325.12	318.63	306.94	301.11	295.21	295.30	296.69	304.98	313.03	325.64	332.16	335.09
G 37.0	321.73	317.00	310.35	297.95	291.98	286.10	286.05	287.57	295.74	304.15	317.40	324.08	326.68
G 38.0	313.20	308.26	301.51	288.86	281.97	276.29	276.25	277.70	285.90	294.95	308.53	315.38	318.45
G 39.0	304.59	299.45	292.50	278.71	271.87	266.22	266.25	267.80	275.81	285.16	299.52	306.56	309.54
G 40.0	295.92	290.51	283.08	268.68	261.19	255.85	256.22	257.77	265.62	275.39	290.32	297.75	301.04
G 41.0	286.41	280.52	273.02	257.88	250.76	245.82	246.30	247.88	255.69	265.33	280.35	287.88	291.41
G 42.0	276.87	270.95	263.11	247.86	240.85	236.13	236.69	238.20	246.16	255.77	270.99	278.57	281.95
G 43.0	266.42	260.29	252.80	238.00	231.56	226.26	227.19	228.57	237.02	245.91	260.93	268.31	271.91
G 44.0	257.22	250.81	243.23	228.96	222.51	216.74	217.94	219.09	228.02	236.83	251.58	258.93	262.10
G 45.0	247.56	240.71	233.09	220.14	213.51	207.17	208.63	209.56	218.97	227.56	241.44	248.67	252.53
G 46.0	238.62	231.60	223.54	211.35	204.64	197.88	199.38	200.30	210.16	218.75	231.82	239.09	242.93
G 47.0	229.48	222.14	213.86	202.55	195.78	188.92	190.37	191.36	201.20	209.85	221.95	229.28	233.81
G 48.0	220.46	212.92	204.48	193.67	187.13	180.39	181.79	183.00	192.39	200.96	212.44	219.77	224.30
G 49.0	211.55	203.91	195.34	185.17	178.42	172.17	173.44	174.63	183.42	192.44	203.05	210.89	215.27
G 50.0	202.34	194.81	186.26	176.68	169.85	163.39	165.42	166.86	174.81	184.11	193.75	201.63	205.72
G 51.0	193.77	186.33	177.96	168.68	161.66	155.05	157.53	159.39	166.33	175.78	185.24	193.49	196.85
G 52.0	184.55	177.84	169.57	160.40	153.67	146.93	149.83	152.00	158.17	167.36	176.51	185.11	187.65
G 53.0	176.34	170.06	162.23	152.58	146.06	140.90	142.52	144.75	150.45	159.52	168.63	176.74	178.98
G 54.0	167.59	161.76	154.50	144.90	138.44	133.67	135.21	137.49	143.24	151.56	160.63	168.26	170.48
G 55.0	159.75	154.11	147.11	137.61	131.39	126.64	128.16	130.47	136.02	143.97	153.14	160.22	162.17
G 56.0	151.84	146.31	139.73	130.57	124.39	121.65	121.19	123.40	128.96	136.57	145.62	152.14	154.30
G 57.0	144.45	138.82	132.43	123.69	117.80	114.82	114.52	116.48	122.08	129.36	138.11	144.12	146.57
G 58.0	137.05	131.68	125.34	117.24	111.30	108.17	108.30	109.86	115.31	122.60	130.97	136.65	139.25
G 59.0	129.67	124.34	118.24	110.66	104.97	101.76	102.39	103.55	108.78	115.85	123.93	128.89	131.74
G 60.0	122.73	117.63	111.68	104.53	98.80	95.71	96.96	97.64	102.38	109.65	117.31	122.05	124.67
G 61.0	115.43	110.67	104.98	98.38	92.87	89.97	91.69	92.02	96.23	103.32	110.56	115.18	117.82
G 62.0	108.82	104.43	98.92	92.62	87.15	84.64	86.63	86.65	90.35	97.38	104.36	109.40	111.63
G 63.0	101.87	98.06	92.72	86.96	81.59	79.61	81.55	81.33	84.74	91.40	97.98	103.04	105.50
G 64.0	95.72	92.38	87.09	81.54	76.42	74.77	76.62	76.28	79.55	85.70	92.19	96.89	99.54
G 65.0	89.76	86.71	81.55	76.29	71.60	70.04	71.84	71.49	74.58	80.23	86.38	91.05	93.73
G 66.0	84.21	81.21	76.31	71.18	67.19	65.62	67.35	66.99	69.98	74.90	80.96	85.44	88.04
G 67.0	78.92	75.90	71.36	66.38	63.12	61.58	63.27	62.79	65.69	69.88	75.83	80.10	82.57
G 68.0	73.59	70.57	66.60	61.80	59.30	57.83	59.52	58.91	61.68	65.08	71.04	74.62	77.31
G 69.0	68.60	65.74	62.31	57.76	55.60	54.30	55.94	55.33	57.79	60.74	67.84	69.77	72.75
G 70.0	63.42	60.90	58.01	53.89	52.07	50.90	52.41	51.86	54.07	56.50	63.69	64.62	67.93
G 71.0	58.80	56.57	54.02	50.35	48.75	47.70	49.09	48.55	50.62	52.69	59.27	60.09	63.20
G 72.0	54.13	52.13	49.86	46.83	45.66	44.57	45.98	45.40	47.32	49.01	54.09	56.15	58.38

**Luminaria**

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Nombre APLIC

**Ensayo**

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Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

**Tabla de Intensidad Luminosa cd/klm Tabla 2/4**

	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	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45	499.45
G 1.0	499.39	499.43	499.42	499.38	499.41	499.26	499.30	499.25	499.26	499.21	499.31
G 2.0	499.10	499.00	499.09	498.89	499.00	498.66	498.81	498.67	498.77	498.70	498.75
G 3.0	498.46	498.30	498.46	498.07	498.21	497.77	497.95	497.73	497.98	497.80	498.05
G 4.0	497.54	497.36	497.45	496.93	496.97	496.48	496.74	496.47	496.77	496.64	497.03
G 5.0	496.36	495.87	496.02	495.33	495.43	494.83	495.02	494.80	495.17	495.22	495.55
G 6.0	494.80	494.35	494.35	493.41	493.39	492.55	493.00	492.74	493.45	493.36	493.95
G 7.0	492.89	492.28	492.16	490.88	490.75	489.81	490.37	490.20	491.06	491.24	491.89
G 8.0	490.87	489.96	489.67	488.02	487.79	486.76	487.29	487.21	488.57	488.81	489.63
G 9.0	488.47	487.31	486.96	484.96	484.47	483.16	483.91	484.00	485.57	486.00	487.16
G 10.0	485.83	484.45	483.78	481.44	480.78	479.22	480.16	480.26	482.24	482.84	484.33
G 11.0	483.03	481.20	480.40	477.63	476.74	475.08	476.01	476.38	478.72	479.54	481.28
G 12.0	479.68	477.66	476.62	473.35	472.14	470.36	471.53	472.04	474.61	475.68	477.79
G 13.0	476.35	474.11	472.62	468.81	467.43	465.40	466.61	467.40	470.64	472.04	474.34
G 14.0	472.56	469.85	468.12	463.83	462.19	460.06	461.40	462.36	465.82	467.55	470.06
G 15.0	468.79	465.69	463.54	458.79	456.85	454.45	456.01	457.17	461.10	463.10	466.10
G 16.0	464.39	460.96	458.47	453.41	451.16	448.55	450.27	451.65	455.96	458.29	461.46
G 17.0	460.10	456.21	453.42	447.83	445.26	442.47	444.37	445.94	450.67	453.20	456.89
G 18.0	455.35	451.08	447.82	442.05	439.15	436.06	438.23	439.92	444.98	447.87	451.98
G 19.0	450.52	445.61	442.22	435.82	432.86	429.63	431.83	433.61	439.03	442.19	446.70
G 20.0	445.54	440.17	436.22	429.57	426.41	422.97	425.30	427.22	432.97	436.52	441.49
G 21.0	439.88	434.06	430.03	423.10	419.61	415.99	418.44	420.52	426.30	430.09	435.52
G 22.0	434.44	428.25	423.71	416.36	412.81	408.96	411.54	413.76	420.04	424.09	429.93
G 23.0	428.24	421.65	416.88	409.36	405.63	401.76	404.24	406.66	412.93	417.28	423.40
G 24.0	422.27	415.39	410.43	402.30	398.46	394.44	397.11	399.45	406.16	410.73	417.39
G 25.0	415.63	408.58	403.22	394.96	391.02	386.84	389.51	392.10	398.90	403.61	410.50
G 26.0	409.26	401.84	396.38	387.43	383.35	379.04	381.86	384.46	391.72	396.66	403.93
G 27.0	402.40	394.79	388.95	379.87	375.45	371.10	374.05	376.64	384.12	389.36	397.08
G 28.0	395.46	387.37	381.54	372.03	367.51	363.18	366.01	368.71	376.43	381.80	389.87
G 29.0	388.42	380.16	373.85	364.24	359.53	355.08	357.99	360.83	368.79	374.45	382.75
G 30.0	380.80	372.34	366.09	356.25	351.30	346.80	349.73	352.64	360.58	366.44	375.09
G 31.0	373.83	364.93	358.28	348.21	343.24	338.66	341.51	344.44	352.85	358.96	367.85
G 32.0	365.85	356.77	350.04	340.02	334.85	330.21	333.07	336.13	344.32	350.71	359.80
G 33.0	358.35	349.14	342.14	331.64	326.54	321.77	324.67	327.69	336.31	342.92	352.42
G 34.0	350.19	340.96	333.57	323.17	317.95	313.14	315.93	319.05	327.76	334.76	343.99
G 35.0	342.27	332.77	325.37	314.46	309.22	304.41	307.21	310.21	319.36	326.58	336.23
G 36.0	333.88	324.52	316.57	305.58	300.51	295.59	298.38	301.27	310.59	318.29	327.82
G 37.0	325.59	315.97	308.01	296.56	291.61	286.59	289.34	292.07	301.90	309.67	319.51
G 38.0	317.09	307.54	299.04	287.32	282.32	277.03	279.91	282.27	292.92	301.21	311.12
G 39.0	308.06	298.41	289.84	277.38	272.89	267.22	270.28	272.32	283.03	291.99	302.18
G 40.0	299.58	289.57	280.06	267.19	263.13	257.27	260.50	262.28	273.66	282.80	293.47
G 41.0	289.88	279.36	269.82	256.42	252.81	247.27	250.57	252.17	263.56	272.99	283.34
G 42.0	280.27	269.63	259.43	245.96	242.66	237.72	240.87	242.51	253.98	263.76	274.19
G 43.0	269.95	259.18	248.80	236.02	232.73	228.18	231.27	233.24	244.05	254.08	264.05
G 44.0	259.95	249.15	239.10	226.69	223.10	218.95	221.90	224.31	234.75	244.57	254.72
G 45.0	249.76	239.04	229.50	217.79	213.47	209.68	212.43	215.41	225.41	235.05	244.91
G 46.0	240.05	228.95	220.81	208.98	204.00	200.53	203.12	206.61	216.59	225.37	235.58
G 47.0	230.46	219.22	211.78	200.25	194.71	191.41	193.88	197.84	207.82	216.08	226.28
G 48.0	220.76	209.37	202.92	191.61	185.81	182.82	184.96	189.12	199.13	206.49	217.02
G 49.0	211.68	200.15	193.95	183.06	177.34	174.23	176.40	180.52	190.84	197.49	208.33
G 50.0	202.17	190.71	185.15	174.51	169.26	166.00	168.21	171.88	182.26	188.23	199.21
G 51.0	193.52	182.32	176.79	166.13	161.85	158.00	160.50	163.51	174.29	179.88	191.17
G 52.0	184.65	173.93	168.45	157.81	154.56	150.10	152.96	155.22	166.11	171.48	182.45
G 53.0	176.54	166.18	160.76	149.78	147.68	142.58	145.62	147.35	158.37	163.49	174.56
G 54.0	168.33	158.55	152.86	142.04	140.81	135.23	138.28	139.90	150.53	155.84	166.36
G 55.0	160.62	151.12	145.44	134.65	133.81	128.13	131.27	132.85	142.96	148.29	158.45
G 56.0	152.83	143.97	138.02	127.68	126.72	121.17	124.31	125.96	135.38	141.06	150.50
G 57.0	145.26	136.51	131.08	121.02	119.78	114.44	117.54	119.18	128.10	133.77	142.85
G 58.0	137.69	129.36	124.24	114.67	112.95	107.99	110.93	112.50	121.23	126.88	135.21
G 59.0	130.12	122.08	117.58	108.42	106.15	101.87	104.41	106.00	114.44	119.89	127.59
G 60.0	123.22	115.36	111.11	102.21	99.63	96.27	98.27	99.72	108.33	113.42	120.79
G 61.0	116.26	108.62	104.65	96.14	93.40	90.94	92.47	93.60	102.10	106.87	113.71
G 62.0	110.99	102.35	98.65	90.20	87.63	85.97	87.04	87.70	96.37	100.59	107.48
G 63.0	105.33	96.16	92.71	84.38	82.29	81.08	81.77	82.10	90.50	94.43	101.09
G 64.0	99.52	90.21	87.26	78.81	77.36	76.29	76.68	76.91	84.93	88.38	95.16
G 65.0	93.53	84.70	81.81	73.64	72.67	71.59	71.79	72.06	79.47	82.78	89.41
G 66.0	87.67	79.31	76.61	68.89	68.10	67.08	67.21	67.44	74.16	77.35	83.76
G 67.0	82.20	74.28	71.45	64.65	63.79	62.93	63.01	63.22	69.11	72.41	78.47
G 68.0	76.81	69.31	66.51	60.78	59.70	59.07	59.04	59.29	64.20	67.68	73.09
G 69.0	72.89	64.76	61.86	57.12	55.88	55.52	55.39	55.55	59.88	63.33	68.27
G 70.0	68.13	60.24	57.46	53.44	52.24	52.04	51.93	51.94	55.62	58.96	63.18
G 71.0	63.47	56.10	53.55	49.96	48.98	48.73	48.63	48.64	51.83	54.81	58.72
G 72.0	58.79	51.99	49.81	46.66	45.87	45.53	45.40	45.52	48.13	50.68	54.14

**Luminaria**

Código 05-6399-14-DU

Nombre APLIC

**Ensayo**

Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

**Tabla de Intensidad Luminosa cd/klm Tabla 3/4**

	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 73.0	49.96	48.04	45.92	43.37	42.63	41.73	43.16	42.54	44.10	45.55	48.94	52.47	54.00
G 74.0	45.84	43.98	42.11	40.09	39.61	39.07	40.42	39.74	40.99	42.20	44.81	48.39	49.63
G 75.0	41.91	40.19	38.67	36.97	36.64	36.37	37.61	36.97	37.99	38.95	41.11	43.77	45.47
G 76.0	38.14	36.69	35.44	34.13	33.80	33.57	34.73	34.17	35.03	35.86	37.58	39.47	41.81
G 77.0	34.40	33.27	32.29	31.31	31.06	30.87	32.03	31.36	32.20	32.87	34.19	36.05	38.00
G 78.0	31.04	30.10	29.46	28.58	28.36	28.34	29.45	28.68	29.42	30.07	31.14	32.80	34.36
G 79.0	27.72	26.87	26.80	25.83	25.68	25.80	26.77	26.07	26.70	27.32	28.27	29.29	30.52
G 80.0	24.70	24.04	24.24	23.27	23.03	23.21	24.16	23.50	24.01	24.69	25.58	26.05	27.25
G 81.0	21.63	21.21	21.62	20.72	20.44	20.63	21.63	20.93	21.40	22.12	22.88	23.32	24.03
G 82.0	18.77	18.65	19.11	18.26	17.87	17.88	18.92	18.17	18.79	19.54	20.34	20.59	20.81
G 83.0	15.96	16.09	16.53	15.74	15.30	14.96	16.11	15.41	16.05	17.02	17.73	18.02	17.91
G 84.0	13.30	13.56	13.98	13.17	12.78	12.20	13.33	12.73	13.46	14.42	15.12	15.49	15.14
G 85.0	10.77	11.23	11.39	10.66	10.31	9.73	10.78	10.30	11.05	11.90	12.52	13.15	12.38
G 86.0	8.21	8.70	8.68	8.02	7.82	7.27	8.23	7.85	8.68	9.29	9.85	10.60	9.52
G 87.0	5.89	6.21	6.07	5.32	5.33	4.95	5.79	5.49	6.23	6.61	7.26	7.96	6.83
G 88.0	3.63	4.18	3.56	3.11	3.14	2.99	3.64	3.46	4.02	4.08	4.66	5.18	4.29
G 89.0	1.86	2.14	1.87	0.90	1.70	1.02	1.99	1.43	1.94	1.86	2.39	2.93	2.26
G 90.0	0.10	0.10	0.18	0.15	0.27	0.22	0.35	0.00	0.53	0.00	0.12	0.68	0.23

**Luminaria**

Código 05-6399-14-DU

Nombre APLIC

**Ensayo**

Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

**Tabla de Intensidad Luminosa cd/klm Tabla 4/4**

	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 73.0	54.36	47.96	46.42	43.52	42.87	42.58	42.34	42.40	44.74	46.62	49.92
G 74.0	50.12	44.20	43.01	40.54	40.11	39.83	39.47	39.34	41.44	42.77	45.81
G 75.0	45.85	40.60	39.80	37.61	37.43	37.13	36.71	36.34	38.28	38.97	41.89
G 76.0	41.63	37.28	36.66	34.73	34.74	34.42	34.09	33.49	35.22	35.46	38.24
G 77.0	37.69	34.09	33.73	31.89	32.02	31.64	31.40	30.71	32.23	32.14	34.62
G 78.0	34.22	31.19	30.94	29.16	29.34	29.02	28.71	28.00	29.42	29.29	31.37
G 79.0	30.64	28.42	28.23	26.47	26.78	26.39	26.10	25.31	26.64	26.55	28.06
G 80.0	26.76	25.83	25.62	23.87	24.28	23.86	23.53	22.69	24.04	23.90	25.09
G 81.0	23.72	23.28	22.94	21.26	21.78	21.34	21.01	20.07	21.42	21.29	22.14
G 82.0	21.11	20.74	20.42	18.69	19.31	18.93	18.54	17.52	18.92	18.75	19.46
G 83.0	18.64	18.20	17.89	16.16	16.85	16.48	16.07	15.01	16.43	16.20	16.81
G 84.0	16.17	15.60	15.35	13.63	14.39	13.92	13.61	12.53	13.92	13.56	14.16
G 85.0	13.82	13.00	12.81	11.18	11.89	11.30	11.18	10.12	11.43	10.98	11.77
G 86.0	11.22	10.29	10.32	8.69	9.31	8.64	8.64	7.69	8.88	8.31	9.28
G 87.0	8.56	7.61	7.69	6.22	6.77	6.07	6.11	5.28	6.25	5.76	6.82
G 88.0	5.76	4.86	5.04	3.96	4.42	3.89	3.76	3.24	3.59	3.44	4.26
G 89.0	3.08	2.86	2.76	1.98	2.30	1.71	2.06	1.19	1.94	1.12	1.85
G 90.0	0.41	0.86	0.48	0.64	0.69	0.00	0.37	0.00	0.29	0.16	0.16

# LEDS C4<sup>®</sup>

**Luminaria**

Código 05-6399-14-DU  
Nombre APLIC

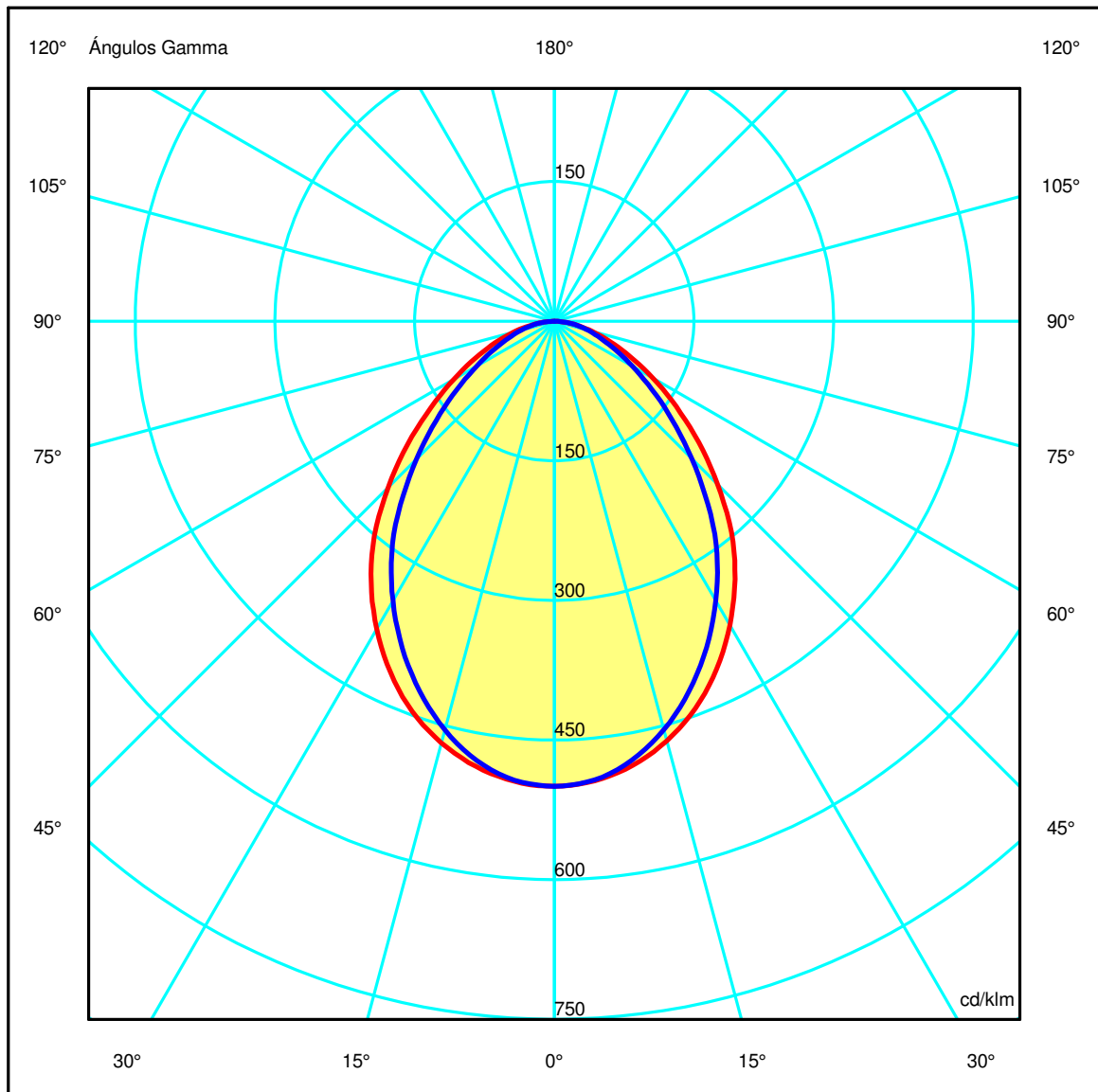
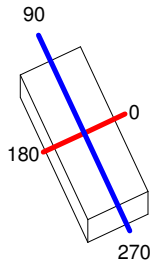
**Ensayo**

Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

180mm x 75mm

Semiplanos C



# LEDS C4<sup>®</sup>

## Luminaria

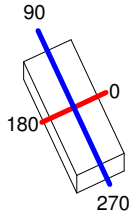
Código 05-6399-14-DU  
Nombre APLIC

## Ensayo

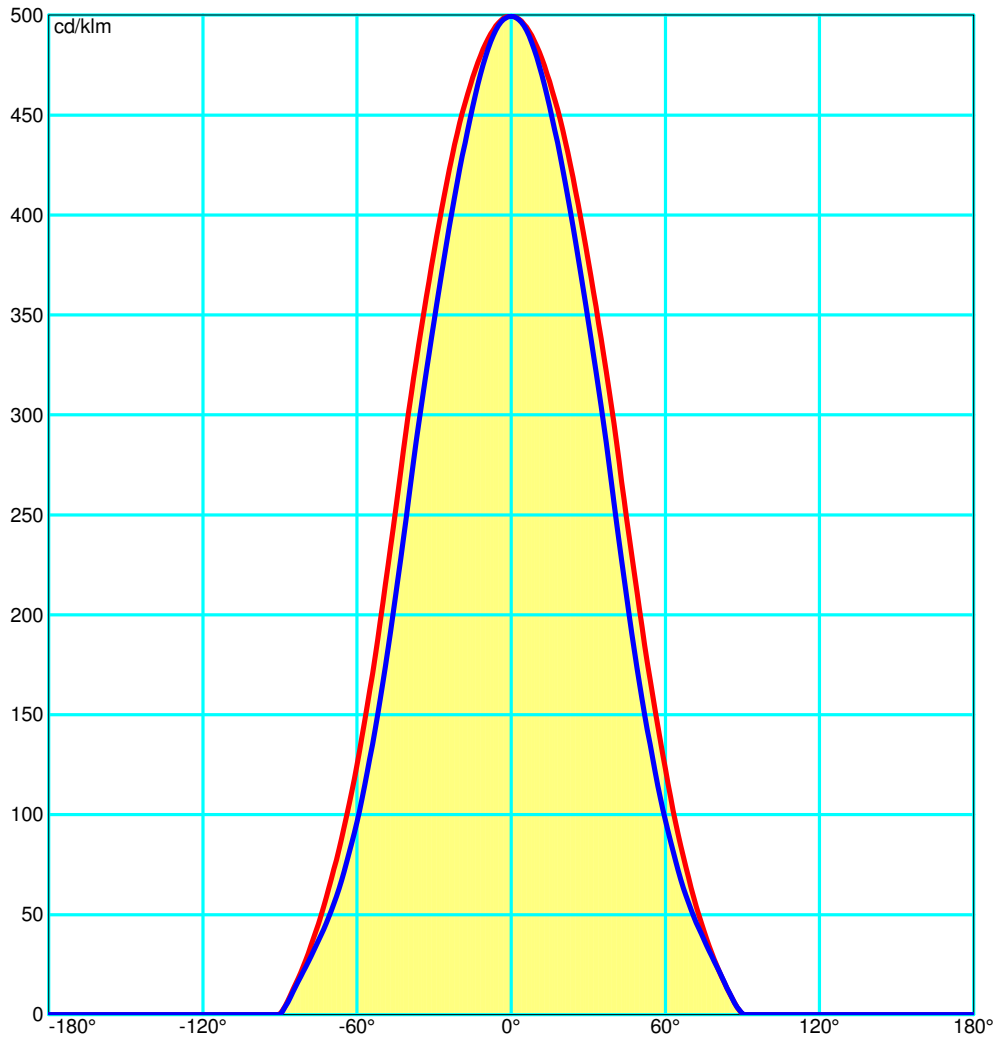
Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

180mm x 75mm



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



**Luminaria**

Código 05-6399-14-DU  
Nombre APLIC

**Ensayo**

Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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	23.1	24.3	23.4	24.5	24.7	22.0	23.2	22.3	23.4	23.6
x=2H y=3H	24.2	25.3	24.5	25.5	25.8	22.9	24.0	23.2	24.2	24.5
x=2H y=4H	24.7	25.7	25.0	25.9	26.2	23.3	24.3	23.7	24.6	24.9
x=2H y=6H	25.0	25.9	25.4	26.2	26.5	23.7	24.6	24.1	24.9	25.2
x=2H y=8H	25.1	26.0	25.5	26.3	26.6	23.9	24.7	24.2	25.0	25.4
x=2H y=12H	25.2	26.0	25.6	26.4	26.7	24.0	24.8	24.3	25.1	25.4
x=4H y=2H	23.5	24.5	23.8	24.8	25.0	22.6	23.6	22.9	23.9	24.1
x=4H y=3H	24.8	25.6	25.2	26.0	26.3	23.7	24.5	24.1	24.9	25.2
x=4H y=4H	25.4	26.1	25.8	26.5	26.8	24.2	25.0	24.6	25.3	25.7
x=4H y=6H	25.8	26.5	26.3	26.9	27.3	24.7	25.4	25.1	25.7	26.1
x=4H y=8H	26.0	26.6	26.4	27.0	27.4	24.9	25.5	25.4	25.9	26.3
x=4H y=12H	26.2	26.7	26.6	27.1	27.5	25.1	25.6	25.5	26.0	26.5
x=8H y=4H	25.6	26.1	26.0	26.5	27.0	24.5	25.1	25.0	25.5	25.9
x=8H y=6H	26.2	26.6	26.6	27.0	27.5	25.1	25.6	25.6	26.0	26.5
x=8H y=8H	26.4	26.8	26.9	27.3	27.7	25.4	25.8	25.9	26.3	26.8
x=8H y=12H	26.6	27.0	27.1	27.5	27.9	25.7	26.0	26.1	26.5	27.0
x=12H y=4H	25.6	26.1	26.0	26.5	26.9	24.5	25.1	25.0	25.5	25.9
x=12H y=6H	26.2	26.6	26.7	27.1	27.5	25.2	25.6	25.7	26.1	26.6
x=12H y=8H	26.5	26.8	27.0	27.3	27.8	25.5	25.9	26.0	26.4	26.8



## Luminaria

Código 05-6399-14-DU  
Nombre APLIC

## Ensayo

Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Flujo Total=1041.97 Flujo Luminaria=1041.97

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	0.39	0.48	0.55	0.62	0.67	0.75	0.80	0.83	0.87	0.89	0.94	0.97
RC	4	3	3	3	3	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

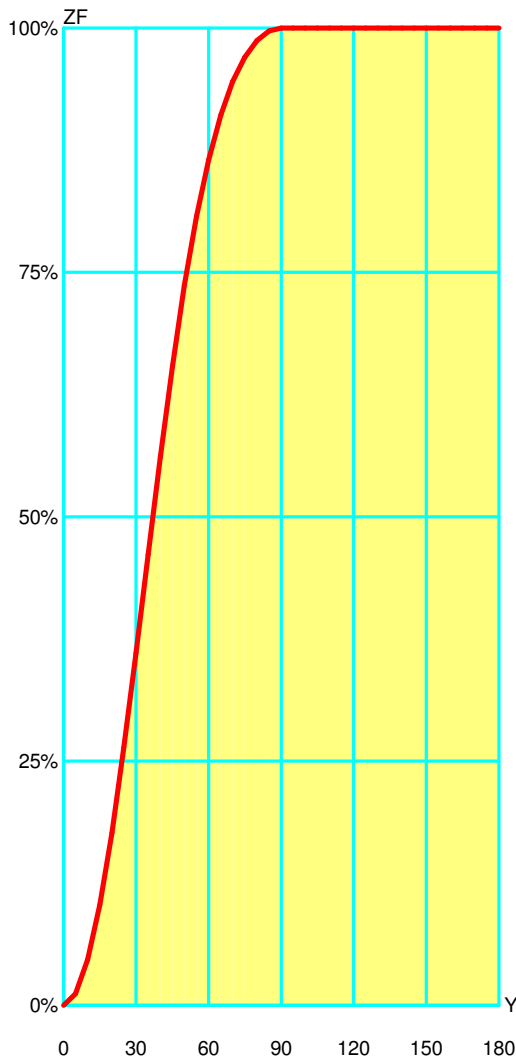
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	47	177	360	561	737	865	945	987	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

59 87 97 100 100

C.I.E. 4/3/3/3/3/3/3/3/3/3  
D DIN 5040 A40  
F UTE 1.00 D  
B NBN BZ 3  
RN 0.00000 %  
BLF 1.0

LOR 100.00000 %  
ULOR 0.00000 %  
DLOR 100.00000 %  
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°	11.89	11.89	1.19%	1.19%
10°	34.96	46.86	3.50%	4.69%
15°	55.94	102.80	5.59%	10.28%
20°	73.71	176.51	7.37%	17.65%
25°	87.41	263.92	8.74%	26.39%
30°	96.48	360.41	9.65%	36.04%
35°	100.71	461.11	10.07%	46.11%
40°	99.78	560.90	9.98%	56.09%
45°	93.05	653.94	9.30%	65.39%
50°	82.67	736.61	8.27%	73.66%
55°	70.62	807.23	7.06%	80.72%
60°	58.00	865.23	5.80%	86.52%
65°	45.59	910.82	4.56%	91.08%
70°	34.47	945.29	3.45%	94.53%
75°	25.09	970.38	2.51%	97.04%
80°	16.93	987.31	1.69%	98.73%
85°	9.72	997.03	0.97%	99.70%
90°	2.97	1000.00	0.30%	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%



# LEDS C4<sup>®</sup>

## Luminaria

Código 05-6399-14-DU  
Nombre APLIC

## Ensayo

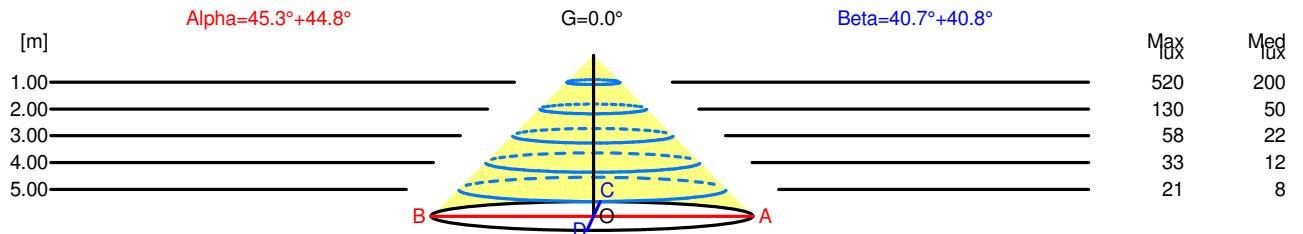
Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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	0.99	1.98	2.98	3.97	4.96	OC	0.86	1.72	2.58	3.44	4.29
OB	1.01	2.02	3.03	4.04	5.05	OD	0.86	1.72	2.59	3.45	4.31

	Intensidades Luminosas [ cd/klm ]									
	0	5	15	25	35	45	55	65	75	85
OA	520.41	516.21	486.26	429.26	352.38	257.95	166.46	93.53	43.66	11.22
OB	520.41	516.84	488.62	433.87	357.57	263.13	168.98	97.67	47.38	12.90
OC	520.41	515.28	473.34	402.92	317.07	217.38	133.54	74.86	39.19	11.23
OD	520.41	515.60	473.53	403.08	317.19	218.48	133.51	74.59	38.69	11.78



H[m]	D[m]	Max lux	Med lux	Alpha=45.3°+44.8°	G=0.0
1.00	2.00	520	200		
2.00	4.00	130	50		
3.00	6.01	58	22		
4.00	8.01	33	12		
5.00	10.01	21	8		

H[m]	D[m]	Max lux	Med lux	Beta=40.8°+40.7°	G=0.0
1.00	1.72	520	200		
2.00	3.44	130	50		
3.00	5.16	58	22		
4.00	6.88	33	12		
5.00	8.60	21	8		

# LEDS C4<sup>®</sup>

## Luminaria

Código 05-6399-14-DU

Nombre APLIC

## Ensayo

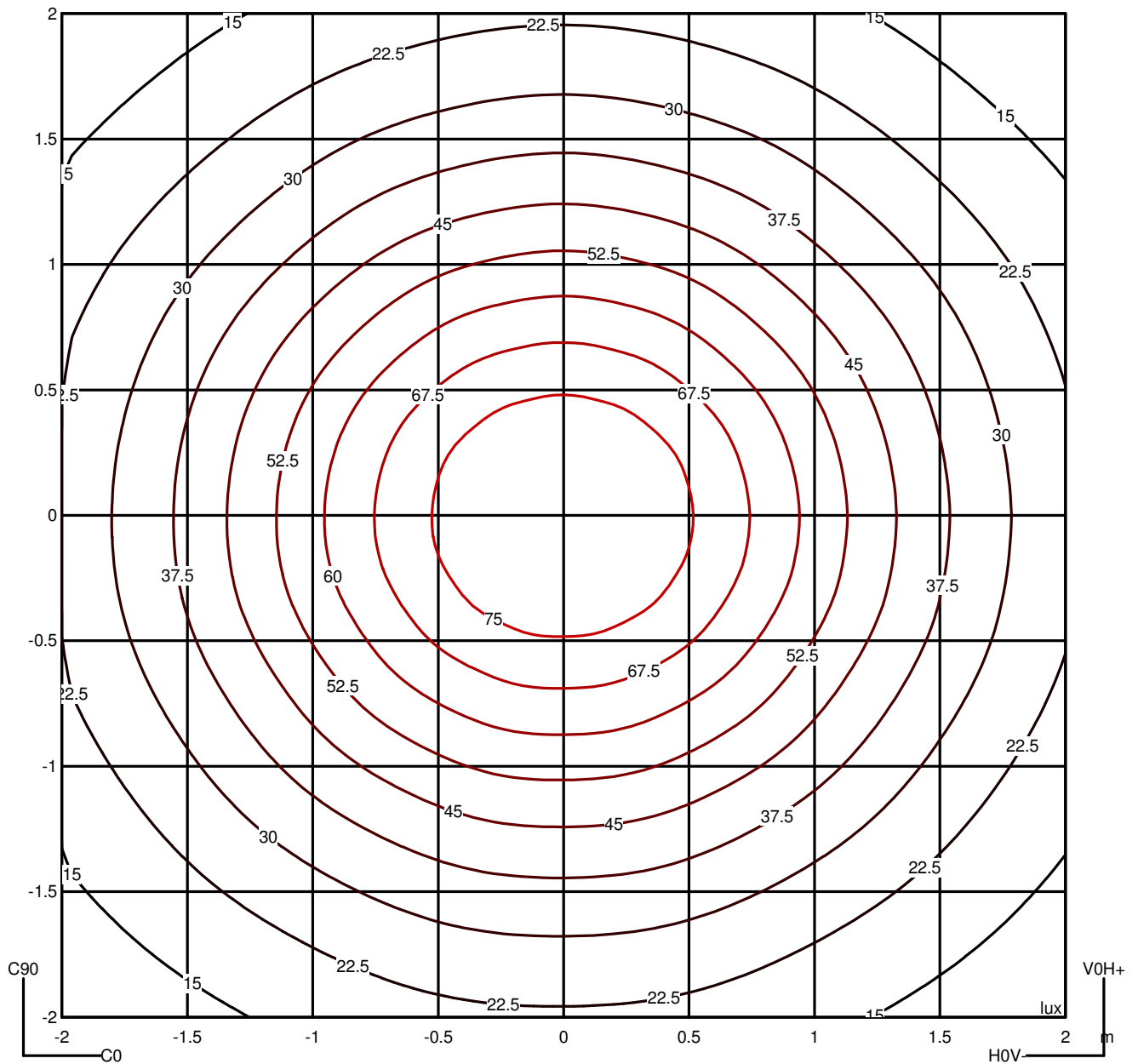
Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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<sup>®</sup>

**Luminaria**

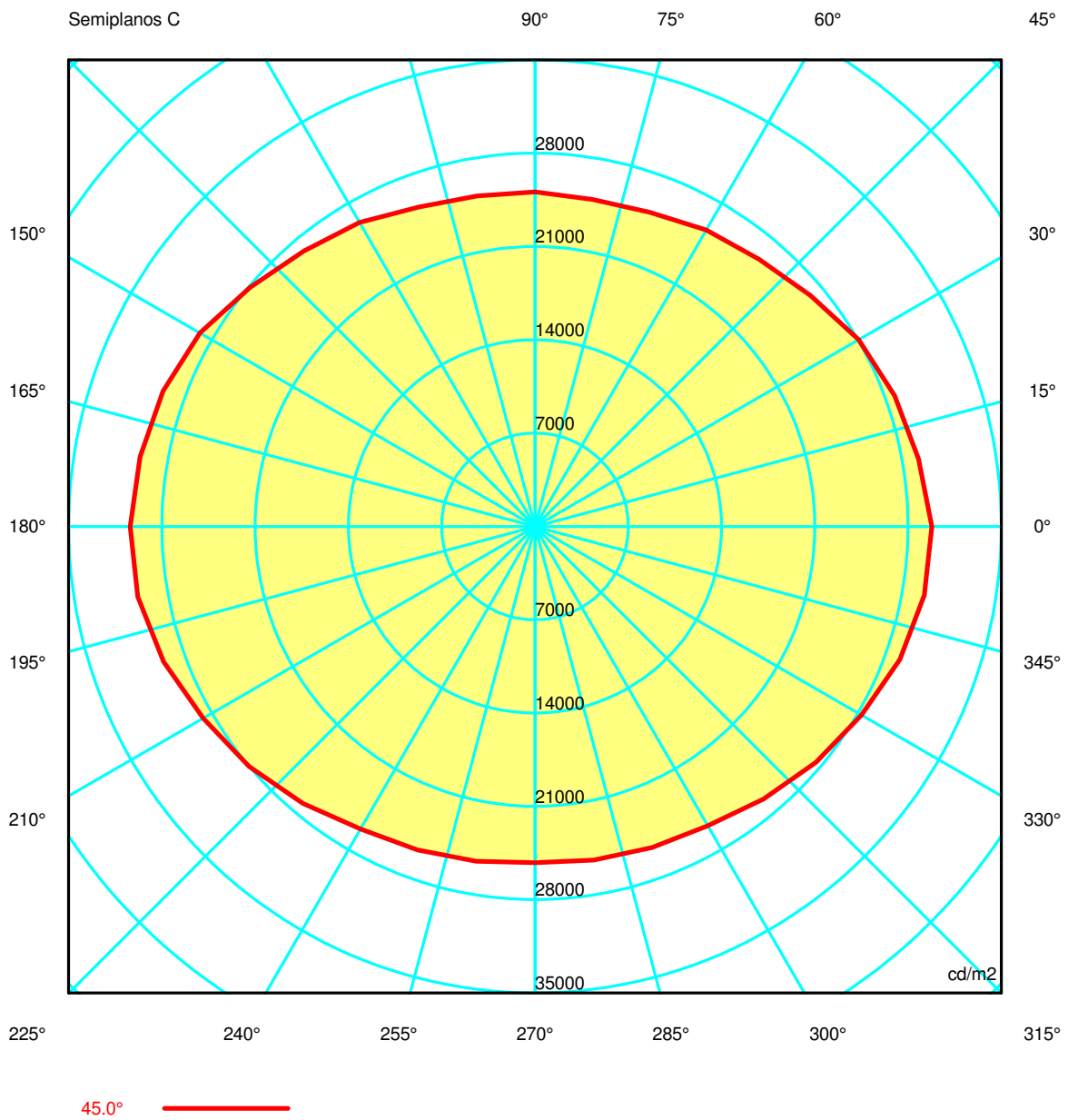
Código 05-6399-14-DU  
Nombre APLIC

**Ensayo**

Código 05-6399-14-DU  
Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 cd/klm	Posición	C=0.00 G=0.00	CG	Asimétrico

Luminancia



**Luminaria**

Código 05-6399-14-DU

Nombre APLIC

**Ensayo**

Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23
G 5.0	42300.69	42279.05	42274.82	42274.22	42232.03	42219.33	42232.53	42203.94	42199.58	42224.06	42216.43	42233.05	42270.49
G 10.0	41838.40	41776.32	41753.88	41719.78	41590.60	41505.45	41467.76	41357.24	41331.16	41356.87	41349.92	41393.19	41526.56
G 15.0	41095.28	40980.10	40909.18	40798.75	40530.54	40341.04	40243.81	40044.78	39981.90	40003.09	40020.19	40123.18	40372.57
G 20.0	40058.61	39886.91	39723.32	39495.06	39129.38	38859.88	38681.56	38391.43	38244.04	38278.87	38303.52	38515.26	38880.76
G 25.0	38663.93	38450.82	38222.10	37891.60	37397.52	37037.35	36801.28	36431.11	36247.54	36291.56	36311.52	36581.04	37063.71
G 30.0	37008.59	36760.32	36474.31	36041.75	35400.24	34932.75	34641.81	34211.24	33998.68	34051.72	34086.43	34406.72	34971.22
G 35.0	35116.67	34805.25	34479.46	33974.11	33150.52	32544.20	32209.98	31749.48	31531.90	31597.64	31630.87	31978.01	32604.13
G 40.0	32857.77	32453.75	32056.74	31432.19	30343.79	29471.90	29001.78	28553.03	28371.78	28449.31	28507.87	28852.15	29493.42
G 45.0	29779.27	29216.34	28707.20	28038.17	26965.96	26151.77	25683.79	25100.70	24916.41	25096.04	25170.96	25511.00	26340.40
G 50.0	26775.18	26118.42	25426.78	24647.85	23775.94	23048.95	22476.28	21913.90	21737.49	21889.56	21957.00	22345.51	23132.74
G 55.0	23690.38	23140.43	22551.52	21816.47	20864.06	20025.81	19484.38	19171.15	19015.81	19005.25	19179.86	19572.84	20171.58
G 60.0	20877.85	20308.22	19700.40	18999.08	18181.77	17419.58	16807.78	16368.92	16314.52	16495.19	16537.52	16793.26	17417.17
G 65.0	18065.25	17698.48	17140.86	16413.99	15702.72	15009.40	14410.57	14096.63	14207.23	14459.15	14397.79	14498.08	15009.71
G 70.0	15771.05	15350.80	14940.67	14427.35	13709.39	13199.68	12949.09	12683.92	12769.19	13034.93	12915.98	13029.43	13447.80
G 75.0	13771.87	13385.81	13049.44	12709.77	12299.60	12084.57	12041.89	11929.18	12088.50	12360.79	12214.49	12203.33	12483.83
G 80.0	12098.06	11822.63	11812.45	11872.00	11567.38	11313.71	11280.99	11284.93	11548.52	11833.60	11622.86	11525.03	11758.53
G 85.0	10509.15	10811.35	11091.59	11111.39	10638.54	10286.35	10058.81	9534.02	9799.36	10516.80	10223.66	10143.99	10785.75
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 05-6399-14-DU

Nombre APLIC

**Ensayo**

Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23
G 5.0	42271.14	42291.26	42342.44	42345.00	42348.13	42351.83	42378.21	42369.15	42339.56	42351.49	42334.84	42293.14	42300.44
G 10.0	41605.40	41723.36	41867.48	41895.06	41912.61	41938.04	41969.60	41927.36	41842.40	41814.59	41721.36	41582.72	41545.70
G 15.0	40532.11	40767.72	41056.99	41175.47	41229.34	41294.55	41317.71	41199.90	41008.74	40899.61	40685.79	40401.07	40280.95
G 20.0	39144.94	39480.30	39889.33	40154.69	40300.44	40384.94	40398.33	40186.75	39843.44	39620.33	39289.74	38883.37	38684.75
G 25.0	37420.21	37868.31	38410.08	38765.39	38963.38	39079.32	39100.17	38816.61	38346.49	38026.78	37587.72	37067.77	36810.16
G 30.0	35406.63	35982.07	36678.50	37124.62	37356.14	37484.71	37514.06	37161.26	36570.09	36179.62	35643.24	34990.43	34645.51
G 35.0	33110.75	33830.26	34703.70	35234.15	35491.01	35633.86	35670.68	35259.65	34553.99	34061.83	33411.96	32652.25	32264.08
G 40.0	30151.18	31124.86	32235.79	32874.86	33214.15	33426.82	33430.88	32949.74	32152.64	31489.08	30594.25	29667.46	29346.82
G 45.0	26981.90	27909.45	29043.62	29702.64	30109.45	30377.74	30285.19	29661.63	28754.64	28012.83	27114.21	26198.81	25809.65
G 50.0	23949.57	24790.84	25638.07	26375.36	26936.18	27222.89	27070.94	26257.11	25235.67	24761.27	24070.83	23092.74	22569.92
G 55.0	20925.16	21800.33	22709.66	23489.52	23919.92	24049.00	24034.81	23390.60	22410.86	21903.97	21017.20	19968.39	19879.31
G 60.0	18213.72	19112.05	19957.29	20545.51	20949.51	21208.56	21192.20	20541.41	19624.09	19186.85	18416.12	17388.49	17053.25
G 65.0	15739.42	16569.45	17384.97	18062.30	18531.84	18865.09	19047.42	18275.87	17046.86	16690.11	15959.70	14821.33	14690.73
G 70.0	13721.82	14641.33	15388.90	16047.98	16260.23	16893.52	17188.51	16355.61	14982.13	14463.10	13986.28	13291.14	13020.95
G 75.0	12680.86	12985.46	13511.26	14120.35	14586.60	14943.24	15239.86	14548.37	13341.51	13110.43	12883.72	12360.39	12321.81
G 80.0	11973.71	12249.55	12531.11	12651.47	12963.41	13350.18	13273.17	12915.05	12652.98	12583.74	12266.34	11690.60	11792.70
G 85.0	11392.89	11794.73	12217.25	12806.89	12539.48	12078.75	13085.09	13396.70	12690.75	12668.45	11970.54	10910.27	11345.22
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 05-6399-14-DU

Nombre APLIC

**Ensayo**

Código 05-6399-14-DU

Nombre APLIC

Flujo Luminaria	1041.97 lm	Potencia luminaria	13.50 W	Eficacia	77.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1041.97 lm	Valor Máximo	499.45 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	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23	42482.23
G 5.0	42287.10	42250.58	42260.51	42261.96	42247.77	42267.85	42282.42	42283.73	42303.74	42313.27
G 10.0	41476.83	41390.39	41441.13	41474.81	41480.58	41595.26	41677.06	41703.69	41791.80	41834.29
G 15.0	40148.67	40018.71	40097.91	40184.39	40258.32	40490.39	40675.60	40780.62	40964.39	41061.59
G 20.0	38472.52	38285.90	38407.50	38547.18	38670.96	39016.84	39311.93	39512.89	39827.86	39994.48
G 25.0	36542.06	36306.13	36445.48	36626.71	36799.35	37223.67	37592.92	37879.27	38333.00	38571.89
G 30.0	34322.59	34062.06	34223.99	34429.66	34635.76	35150.91	35611.31	35991.20	36589.07	36896.54
G 35.0	31906.99	31609.16	31770.51	31979.64	32211.46	32832.42	33418.20	33910.86	34620.39	34980.92
G 40.0	28976.82	28566.30	28779.81	28963.73	29122.78	29927.44	30749.94	31400.91	32242.79	32775.25
G 45.0	25495.05	25222.11	25412.98	25640.12	25911.53	26671.86	27511.42	28273.89	29126.61	29655.74
G 50.0	22211.27	21966.24	22129.33	22358.06	22744.60	23679.87	24398.75	24907.98	25906.01	26625.78
G 55.0	19577.54	19001.14	19273.05	19514.24	19701.66	20701.24	21496.14	21990.15	23038.09	23561.49
G 60.0	16740.39	16376.80	16584.90	16750.69	16963.93	17929.02	18761.79	19294.63	20165.68	20767.83
G 65.0	14574.94	14408.37	14451.28	14467.75	14503.62	15505.84	16263.70	16661.52	17591.45	18018.88
G 70.0	12969.80	12941.85	12924.03	12858.44	12916.57	13493.64	14110.61	14662.27	15422.31	15732.61
G 75.0	12269.25	12202.70	12128.48	11969.71	11941.49	12380.70	12652.48	12805.80	13467.19	13767.55
G 80.0	11877.74	11688.28	11617.81	11340.92	11114.59	11568.38	11790.79	11705.75	12099.91	12326.14
G 85.0	11534.08	11032.94	10952.07	10499.77	9872.59	10758.97	11120.29	10717.40	11259.25	11385.32
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00