Luminaria
Código 30931309xxx
Nombre NANS_BAG_38_R_OUTDOOR_2200K_BROWN
Ensayo
Código CL092A24D005VP
Nombre NNANS_BAG_38_R_OUTDOOR_2200K_BROWN

Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

Luminaria Redonda	Diam. 600 mm	Altura	330 mm
Área Luminosa Redonda	Diam. 300 mm	Altura	0 mm
Área Luminosa Horizontal	0.070686 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°	0.017100 m2

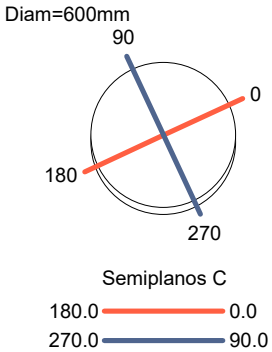
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	04-07-2024	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.49	Flujo de Ensayo	443 lm
Operador	ASSELUM	Tensión Nominal	
Temperatura	24.30 °C	Corriente Nominal	
Humedad	60.60 %	Fotocélula	Czibula Grundmann
Notas	RM24070303		

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	LED	LED	442.81	0.00	1

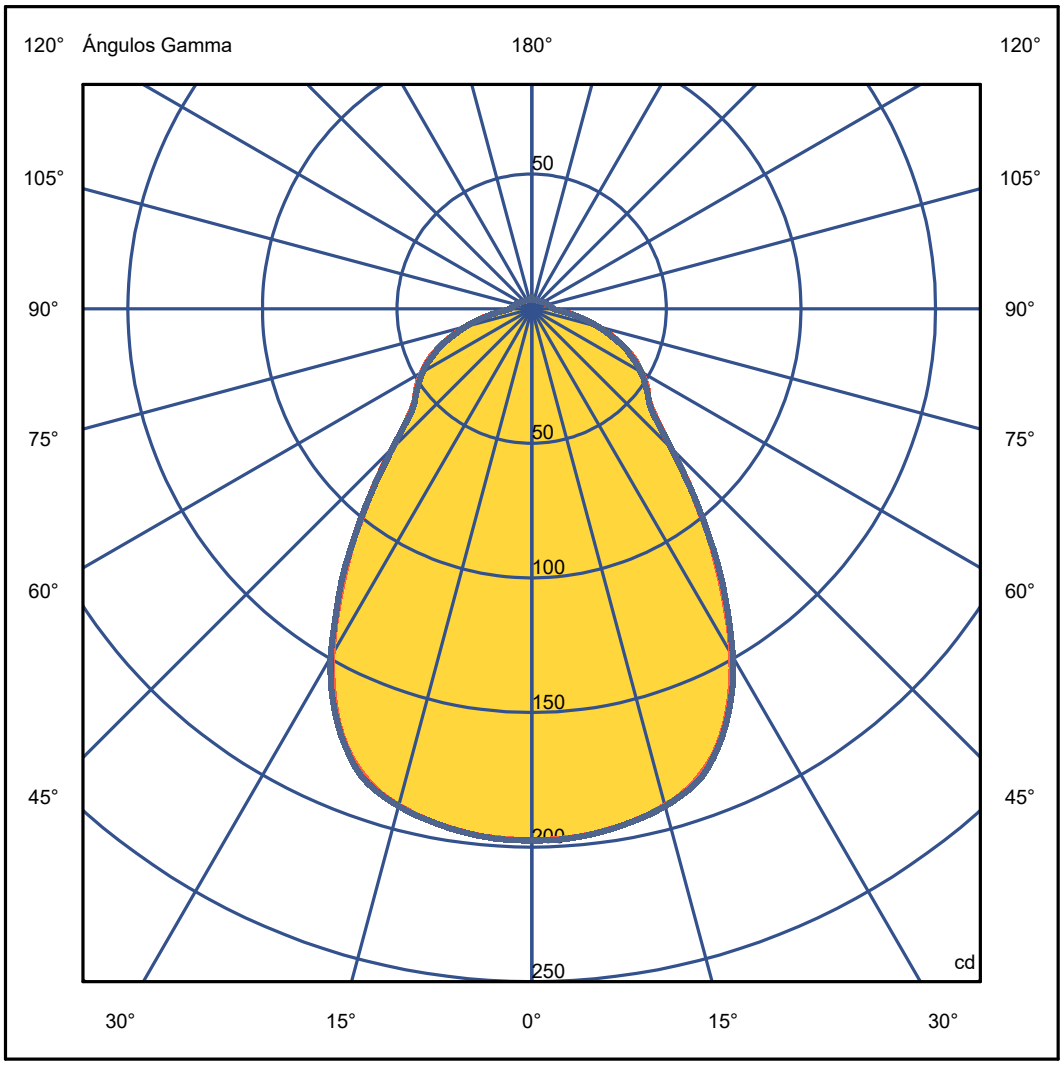
C.I.E.	57 81 94 93 100	D DIN 5040	A41
F UTE	0.93 D + 0.07 T	B NBN	BZ 3 / 1.25 / BZ 4





Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 7.21 %
DLOR 92.79 %
RN 7.21 %



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Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

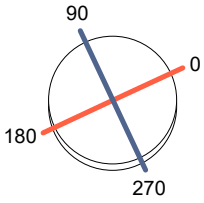
Tabla de Intensidad Luminosa cd **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	197.49	197.49	197.49	197.49	197.49	197.49	197.49
G 2.5	197.23	197.50	197.45	197.47	197.45	197.47	197.42
G 5.0	196.90	197.07	197.01	197.05	197.01	197.01	196.99
G 7.5	195.95	196.14	196.14	196.12	196.09	196.10	196.05
G 10.0	194.70	194.88	194.85	194.85	194.83	194.82	194.79
G 12.5	193.14	193.32	193.26	193.26	193.26	193.28	193.25
G 15.0	191.05	191.33	191.34	191.33	191.27	191.30	191.33
G 17.5	188.31	188.67	188.77	188.79	188.75	188.75	188.66
G 20.0	183.86	184.67	185.09	185.35	185.30	185.04	184.88
G 22.5	178.04	178.53	179.39	179.93	179.63	178.67	178.46
G 25.0	169.90	170.43	170.57	170.68	170.75	170.69	170.46
G 27.5	159.83	159.96	159.04	158.99	159.43	160.44	160.86
G 30.0	148.09	147.63	147.71	147.17	147.99	148.50	149.50
G 32.5	135.10	135.08	134.67	135.10	135.30	136.25	135.87
G 35.0	121.61	121.85	122.18	122.61	122.80	122.81	123.21
G 37.5	109.09	108.45	109.53	110.59	110.19	109.50	109.36
G 40.0	95.80	96.08	97.17	98.29	97.83	97.14	96.33
G 42.5	84.47	83.68	85.05	85.99	85.51	84.37	83.93
G 45.0	73.08	73.11	73.72	74.06	74.35	73.68	73.21
G 47.5	64.52	63.96	63.41	63.39	64.00	64.54	64.24
G 50.0	58.42	57.44	56.82	56.34	57.07	57.72	57.69
G 52.5	54.65	54.33	54.04	54.35	54.33	54.53	54.53
G 55.0	52.53	52.07	51.88	52.12	52.05	52.08	52.00
G 57.5	49.92	49.73	49.51	49.58	49.44	49.46	49.39
G 60.0	47.04	46.88	46.61	46.57	46.47	46.47	46.72
G 62.5	44.21	43.94	43.70	43.40	43.47	43.66	43.65
G 65.0	41.05	40.63	40.57	40.72	40.50	40.21	40.19
G 67.5	37.30	37.36	37.18	37.27	37.09	37.16	37.07
G 70.0	33.42	33.32	33.36	33.43	33.27	33.02	32.96
G 72.5	29.29	29.21	29.24	29.16	29.16	28.97	29.07
G 75.0	25.53	25.49	25.67	25.74	25.65	25.35	25.30
G 77.5	21.55	21.58	21.66	21.66	21.63	21.24	21.41
G 80.0	17.94	17.89	18.08	18.05	18.05	17.85	17.82
G 82.5	14.66	14.76	14.78	14.77	14.81	14.72	14.73
G 85.0	11.56	11.50	11.52	11.47	11.61	11.30	11.39
G 87.5	9.34	9.25	9.31	9.28	9.34	9.18	9.22
G 90.0	8.06	8.01	8.08	8.21	8.19	8.21	8.07
G 92.5	7.82	7.58	7.63	7.60	7.62	7.56	7.65
G 95.0	6.95	7.22	7.26	7.26	7.24	7.10	7.01
G 97.5	6.86	7.13	7.22	7.32	7.31	7.13	6.93
G100.0	6.58	6.81	6.96	6.92	6.93	6.76	6.70
G102.5	6.34	6.42	6.60	6.64	6.61	6.33	6.35
G105.0	6.11	6.16	6.38	6.51	6.39	6.02	6.11
G107.5	5.87	5.91	6.10	6.27	6.13	5.76	5.93
G110.0	5.61	5.57	5.79	6.00	5.86	5.38	5.73
G112.5	5.45	5.35	5.51	5.75	5.57	5.18	5.54
G115.0	5.25	5.14	5.18	5.42	5.25	5.06	5.38
G117.5	5.03	4.94	4.83	5.09	4.91	4.93	5.14
G120.0	4.83	4.74	4.48	4.73	4.55	4.71	4.89
G122.5	4.60	4.53	4.16	4.41	4.26	4.55	4.67
G125.0	4.44	4.28	3.87	4.05	3.96	4.32	4.41
G127.5	4.22	4.15	3.75	3.83	3.84	4.20	4.26
G130.0	4.11	4.08	3.75	3.69	3.83	4.16	4.20
G132.5	4.04	3.99	3.75	3.57	3.84	4.05	4.15
G135.0	4.00	4.00	3.78	3.56	3.81	3.99	4.08
G137.5	3.96	3.95	3.78	3.54	3.83	3.99	4.05
G140.0	3.95	3.85	3.69	3.54	3.75	3.92	3.98
G142.5	3.82	3.86	3.72	3.67	3.76	3.91	3.94
G145.0	3.85	3.74	3.66	3.63	3.70	3.85	3.90
G147.5	3.70	3.73	3.67	3.66	3.69	3.77	3.80
G150.0	3.66	3.67	3.63	3.61	3.69	3.76	3.78
G152.5	3.60	3.62	3.58	3.57	3.60	3.66	3.69
G155.0	3.55	3.57	3.51	3.52	3.56	3.62	3.64
G157.5	3.50	3.50	3.47	3.47	3.49	3.50	3.54
G160.0	3.44	3.43	3.40	3.39	3.43	3.45	3.50
G162.5	3.38	3.30	3.31	3.30	3.32	3.35	3.41
G165.0	3.30	3.21	3.23	3.23	3.23	3.24	3.31
G167.5	3.28	3.21	3.22	3.21	3.24	3.25	3.32
G170.0	3.51	3.39	3.42	3.40	3.44	3.37	3.47
G172.5	3.68	3.60	3.59	3.54	3.59	3.58	3.65
G175.0	3.96	3.92	3.84	3.77	3.82	3.89	3.92
G177.5	4.20	4.17	4.07	4.12	4.09	4.17	4.16
G180.0	4.26	4.26	4.26	4.26	4.26	4.26	4.26

Luminaria
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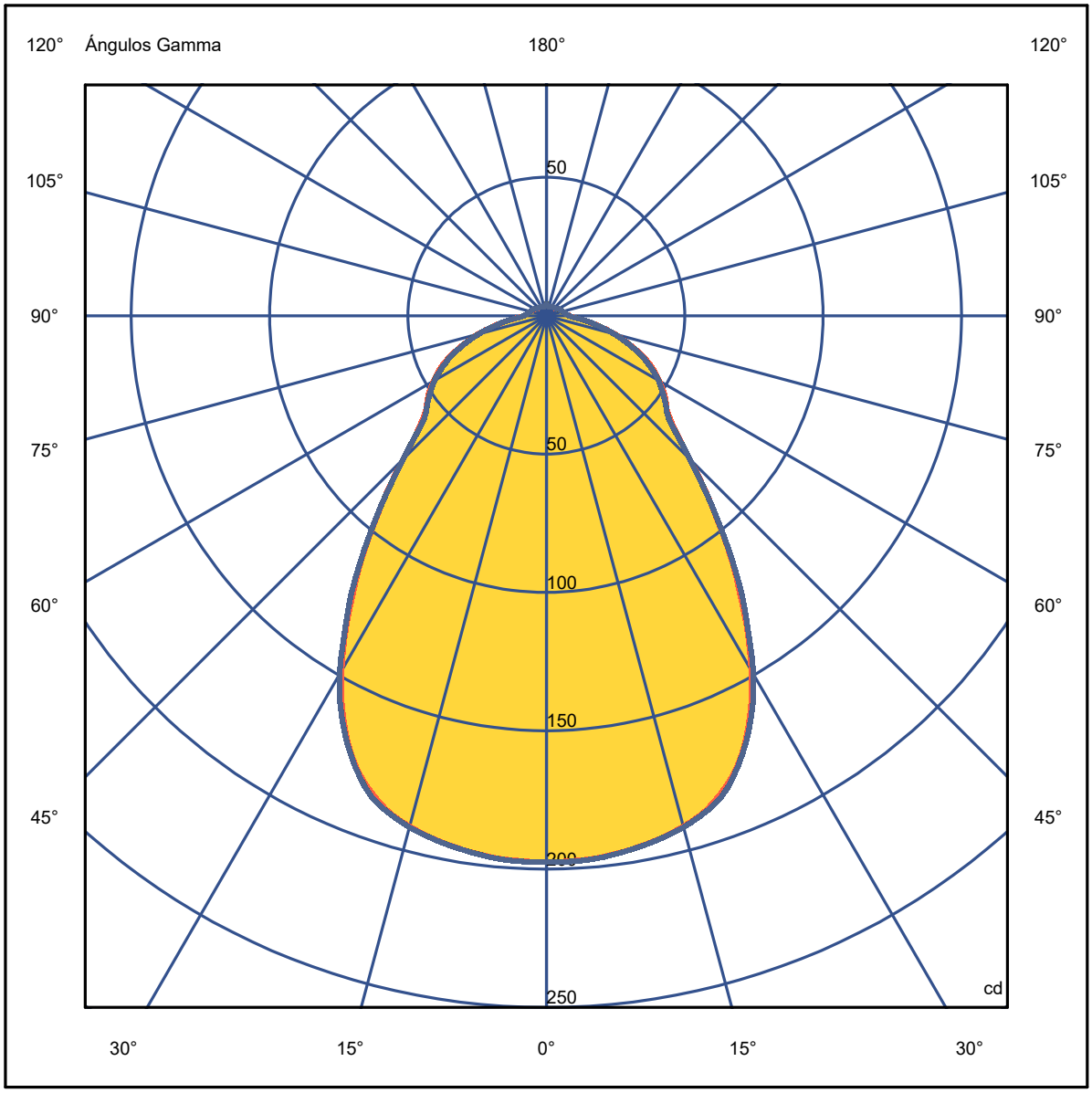
Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

Diam=600mm



Semiplanos C

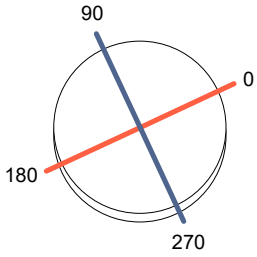




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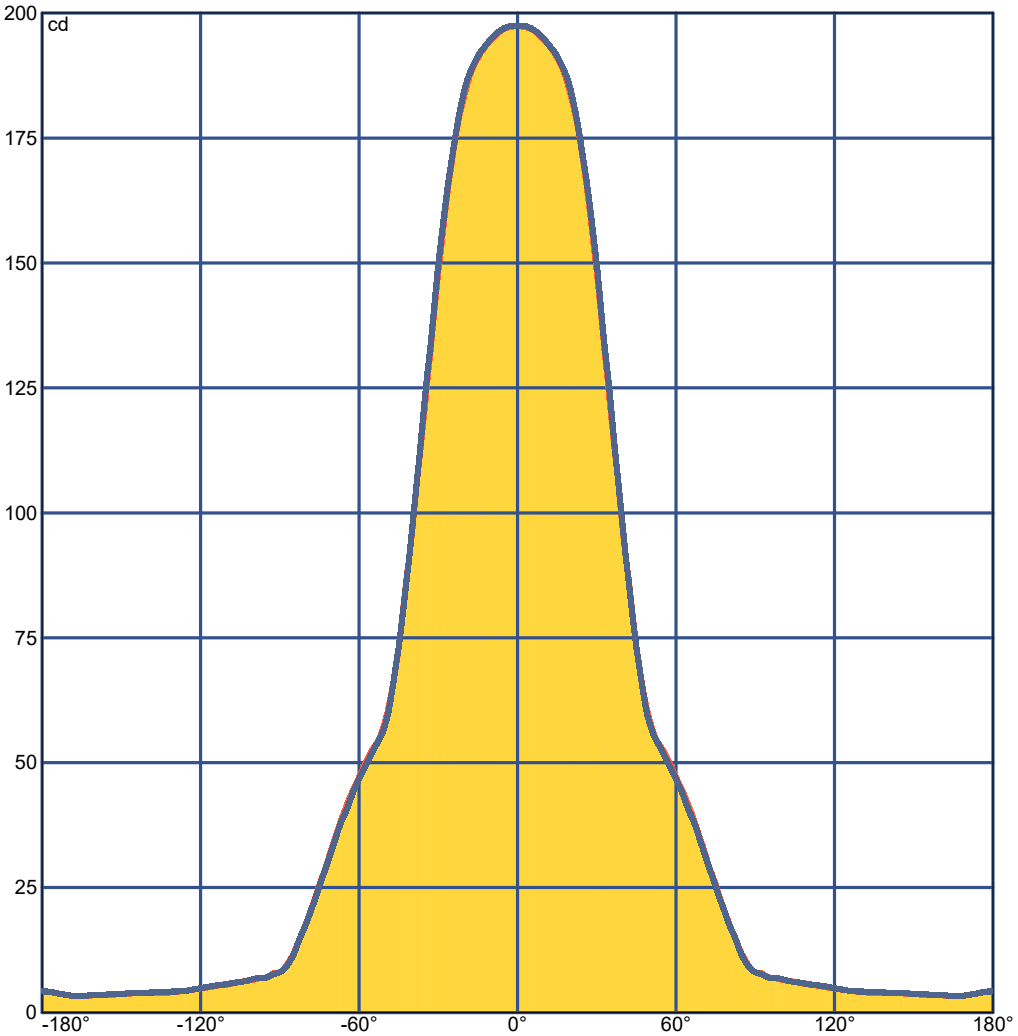
Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

Diam=600mm



Semiplanos C





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Nombre NNANS_BAG_38_R_OUTDOOR_2200K_BROWN

Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

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 Loca	Vista Lateral					Vista Longitudinal				
x=2H y=2H	12.4	13.5	12.8	13.9	14.2	12.4	13.5	12.8	13.9	14.2
x=2H y=3H	14.2	15.3	14.7	15.6	16.1	14.2	15.2	14.6	15.6	16.0
x=2H y=4H	15.1	16.0	15.5	16.4	16.9	15.0	16.0	15.5	16.4	16.8
x=2H y=6H	15.8	16.7	16.2	17.1	17.5	15.8	16.6	16.2	17.1	17.5
x=2H y=8H	16.1	17.0	16.6	17.4	17.9	16.1	16.9	16.6	17.4	17.8
x=2H y=12H	16.4	17.3	16.9	17.7	18.2	16.4	17.2	16.9	17.7	18.1
x=4H y=2H	13.1	14.1	13.6	14.5	14.9	13.1	14.1	13.5	14.5	14.9
x=4H y=3H	15.2	16.0	15.6	16.4	16.9	15.1	15.9	15.6	16.4	16.9
x=4H y=4H	16.1	16.9	16.7	17.3	17.9	16.1	16.8	16.6	17.3	17.8
x=4H y=6H	17.0	17.7	17.5	18.1	18.7	17.0	17.6	17.5	18.1	18.7
x=4H y=8H	17.4	18.0	18.0	18.5	19.1	17.4	18.0	17.9	18.5	19.1
x=4H y=12H	17.8	18.4	18.4	18.9	19.5	17.8	18.3	18.3	18.8	19.4
x=8H y=4H	16.5	17.1	17.1	17.6	18.2	16.5	17.1	17.0	17.6	18.2
x=8H y=6H	17.6	18.1	18.2	18.6	19.2	17.6	18.0	18.1	18.6	19.2
x=8H y=8H	18.2	18.6	18.7	19.1	19.8	18.1	18.5	18.7	19.1	19.7
x=8H y=12H	18.7	19.1	19.3	19.6	20.3	18.7	19.0	19.3	19.6	20.2
x=12H y=4H	16.6	17.1	17.1	17.6	18.2	16.6	17.1	17.1	17.6	18.2
x=12H y=6H	17.7	18.1	18.3	18.7	19.3	17.7	18.1	18.3	18.7	19.3
x=12H y=8H	18.3	18.7	18.9	19.3	19.9	18.3	18.7	18.9	19.3	19.9

Luminaria
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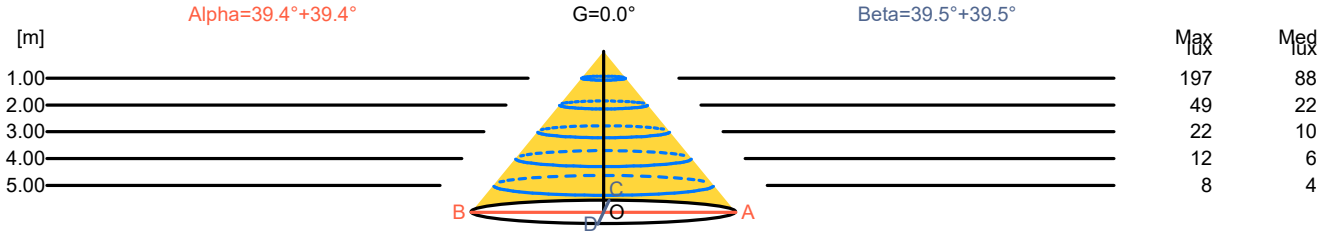
Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

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	0.82	1.64	2.47	3.29	4.11	OC	0.83	1.65	2.48	3.30	4.13
OB	0.82	1.64	2.47	3.29	4.11	OD	0.83	1.65	2.48	3.30	4.13

Intensidades Luminosas [cd]

	0	5	15	25	35	45	55	65	75	85
OA	197.49	196.90	191.05	169.90	121.61	73.08	52.53	41.05	25.53	11.56
OB	197.49	196.90	191.05	169.90	121.61	73.08	52.53	41.05	25.53	11.56
OC	197.49	196.99	191.33	170.46	123.21	73.21	52.00	40.19	25.30	11.39
OD	197.49	196.99	191.33	170.46	123.21	73.21	52.00	40.19	25.30	11.39



H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4° G=0.0
1.00	1.64	197	88	
2.00	3.29	49	22	
3.00	4.93	22	10	
4.00	6.58	12	6	
5.00	8.22	8	4	

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5° G=0.0
1.00	1.65	197	88	
2.00	3.30	49	22	
3.00	4.95	22	10	
4.00	6.60	12	6	
5.00	8.25	8	4	

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Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

Flujo Total=442.81 Flujo Luminaria=442.81

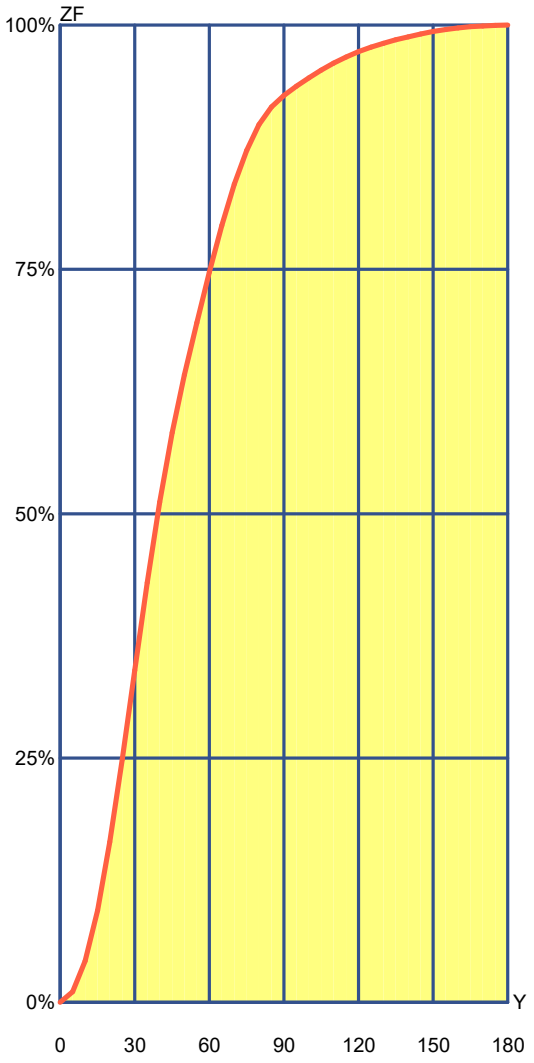
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.47	0.53	0.59	0.64	0.72	0.77	0.80	0.85	0.87	0.94	0.97
RC	3	4	4	4	4	4	4	4	4	4	4	3

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)	42	164	340	512	642	747	837	898	928	946	961	973	981	988	993	997	999	1000

Códigos de Flujo C.I.E.
57 81 94 93 100

C.I.E.	3/4/4/4/4/4/4/4/4/4/3	LOR	100.00000 %
D DIN 5040	A41	ULOR	7.21101 %
F UTE	0.93 D + 0.07 T	DLOR	92.78899 %
B NBN	BZ 3 / 1.25 / BZ 4	UFF	7.21101 %
RN	7.21101 %	DFF	92.78899 %
BLF	1.0	FFR	7.77141 %



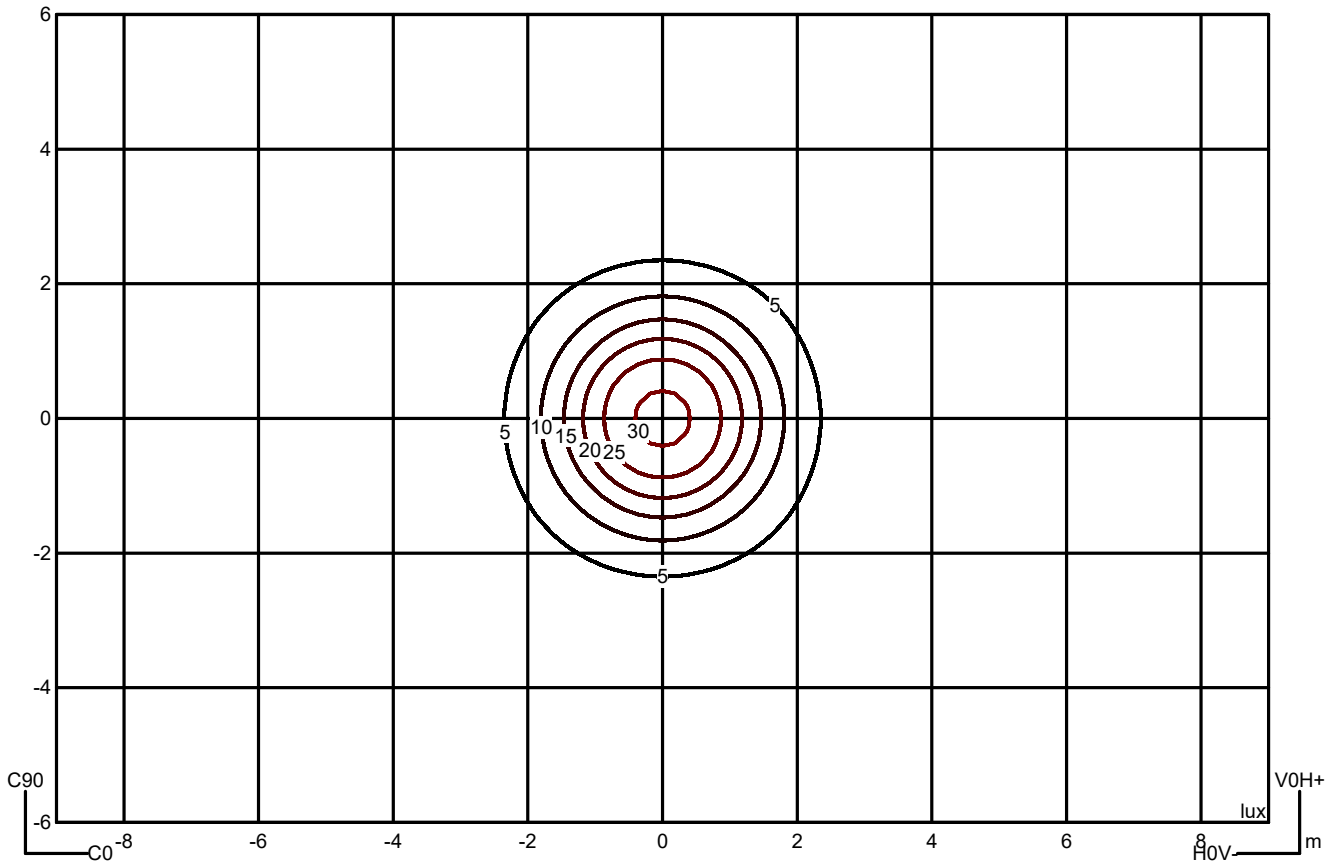
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.65	10.65	1.07 %	1.07 %
10°	31.66	42.31	3.17 %	4.23 %
15°	51.73	94.04	5.17 %	9.40 %
20°	70.09	164.13	7.01 %	16.41 %
25°	84.43	248.56	8.44 %	24.86 %
30°	91.02	339.57	9.10 %	33.96 %
35°	89.81	429.39	8.98 %	42.94 %
40°	82.51	511.90	8.25 %	51.19 %
45°	71.04	582.94	7.10 %	58.29 %
50°	58.98	641.92	5.90 %	64.19 %
55°	53.51	695.43	5.35 %	69.54 %
60°	51.62	747.05	5.16 %	74.70 %
65°	47.89	794.94	4.79 %	79.49 %
70°	42.36	837.30	4.24 %	83.73 %
75°	34.55	871.86	3.46 %	87.19 %
80°	26.15	898.01	2.62 %	89.80 %
85°	18.08	916.09	1.81 %	91.61 %
90°	11.80	927.89	1.18 %	92.79 %
95°	9.45	937.33	0.94 %	93.73 %
100°	8.70	946.03	0.87 %	94.60 %
105°	7.88	953.91	0.79 %	95.39 %
110°	7.08	961.00	0.71 %	96.10 %
115°	6.26	967.26	0.63 %	96.73 %
120°	5.45	972.70	0.54 %	97.27 %
125°	4.62	977.32	0.46 %	97.73 %
130°	3.95	981.27	0.40 %	98.13 %
135°	3.55	984.83	0.36 %	98.48 %
140°	3.21	988.04	0.32 %	98.80 %
145°	2.85	990.89	0.29 %	99.09 %
150°	2.47	993.36	0.25 %	99.34 %
155°	2.07	995.42	0.21 %	99.54 %
160°	1.66	997.08	0.17 %	99.71 %
165°	1.24	998.32	0.12 %	99.83 %
170°	0.88	999.20	0.09 %	99.92 %
175°	0.58	999.78	0.06 %	99.98 %
180°	0.22	1000.00	0.02 %	100.00 %

Luminaria
Código 30931309xxx
Nombre NANS_BAG_38_R_OUTDOOR_2200K_BROWN
Ensayo
Código CL092A24D005VP
Nombre NNANS_BAG_38_R_OUTDOOR_2200K_BROWN

Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

Isolux (Suelo)

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



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Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG Bisimétrico	

Datos Espectrales

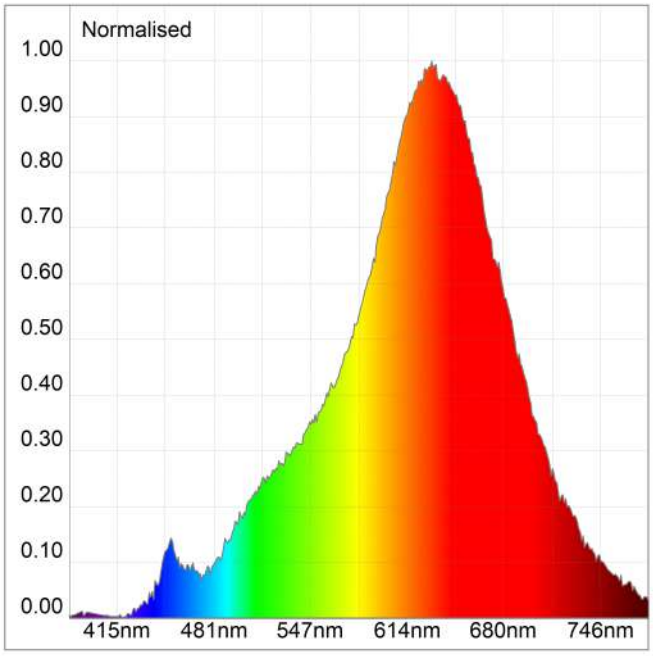
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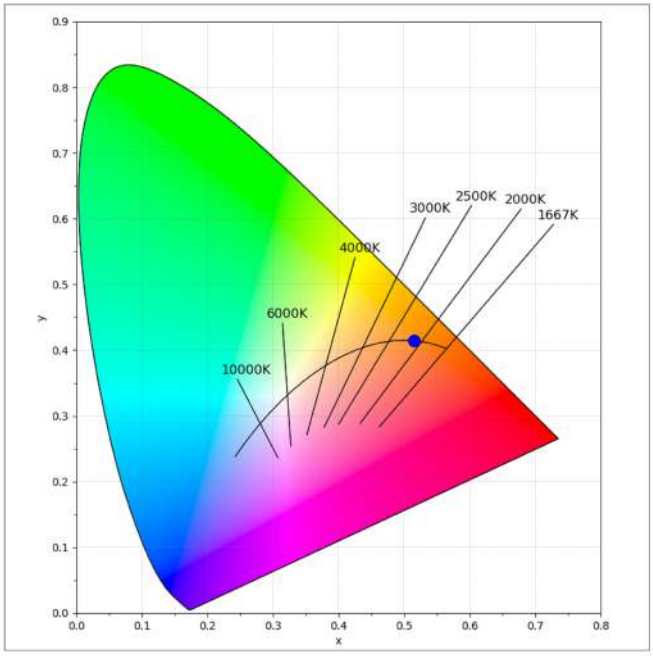
CIE1931	x =0.515804	y =0.414014	Índice repr. Cromática (CRI)	CRI8(Ra) 94.4			CRI15(Rav) 93.0		
CIE1960	u =0.297441	v =0.358115	Comp.Reproducción Cromática	R 1: 96.8	R 2: 99.5		R 3: 97.0	R 4: 98.0	R 5: 98.5
CIE1976	u'=0.297441	v'=0.537172		R 6: 93.7	R 7: 90.1		R 8: 81.8	R 9: 64.6	R10: 99.2
D(u,v)	0.00018			R11: 96.2	R12: 90.9		R13: 98.3	R14: 99.1	R15: 90.5
			CCT = 2098 K						

Distribución Espectral

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
382.0	0.005508	388.0	0.008578	394.0	0.010451
400.0	0.007381	406.0	0.004312	412.0	0.002761
418.0	0.002131	424.0	0.004673	430.0	0.017494
436.0	0.024831	442.0	0.061625	448.0	0.120767
454.0	0.120542	460.0	0.094357	466.0	0.093228
472.0	0.079684	478.0	0.091422	484.0	0.108804
490.0	0.137698	496.0	0.174266	502.0	0.189616
508.0	0.219865	514.0	0.243792	520.0	0.252822
526.0	0.282167	532.0	0.295711	538.0	0.313770
544.0	0.331828	550.0	0.349887	556.0	0.383747
562.0	0.422122	568.0	0.444695	574.0	0.483070
580.0	0.530474	586.0	0.593679	592.0	0.638826
598.0	0.724605	604.0	0.794582	610.0	0.864560
616.0	0.925508	622.0	0.963883	628.0	0.981941
634.0	0.993228	640.0	0.970655	646.0	0.943567
652.0	0.900677	658.0	0.837472	664.0	0.776524
670.0	0.690745	676.0	0.629797	682.0	0.573363
688.0	0.498871	694.0	0.440181	700.0	0.363431
706.0	0.325056	712.0	0.275395	718.0	0.224605
724.0	0.200000	730.0	0.181038	736.0	0.127088
742.0	0.118510	748.0	0.101354	754.0	0.081490
760.0	0.066817	766.0	0.064786	772.0	0.046050
778.0	0.037472				

Gráfico del Espectro

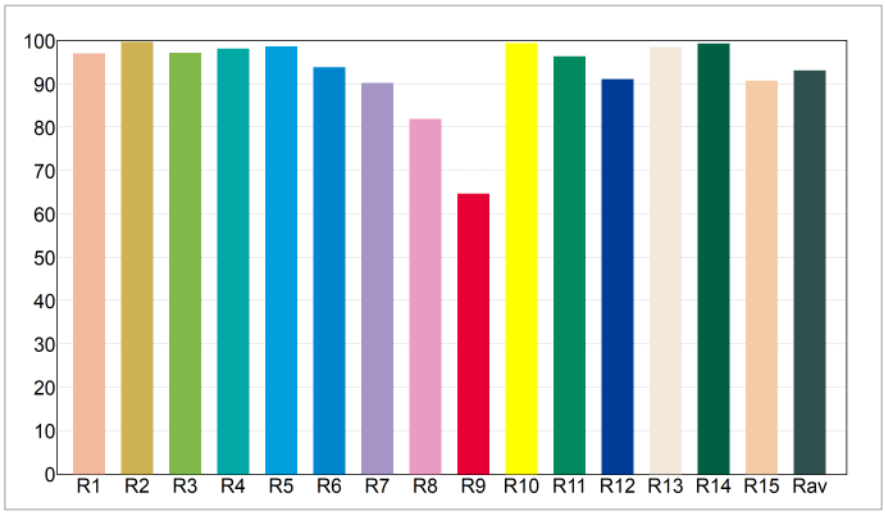


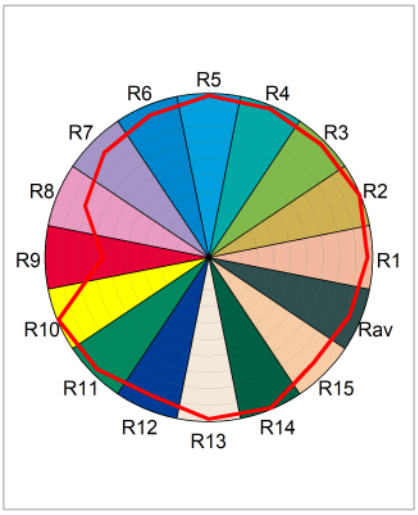


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Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico

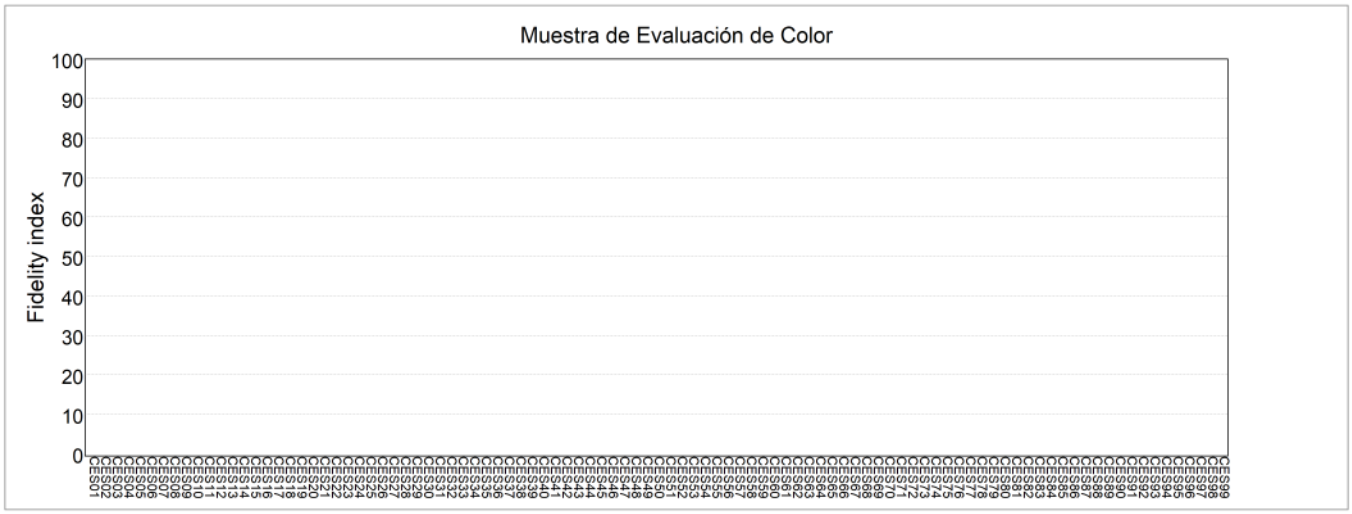
Gráficos del IRC





Luminaria
Código 30931309xxx
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Ensayo
Código CL092A24D005VP
Nombre NNANS_BAG_38_R_OUTDOOR_2200K_BROWN

Flujo Luminaria	443 lm	Potencia Luminaria	0.0 W	Eficacia	---	Eficiencia	100.00%
Flujo Fuente	443 lm	Valor Máximo	197.50 cd	Posición	C=15.00 G=2.50	CG	Bisimétrico



Coordenadas de Cromaticidad (a' b') 99 muestras

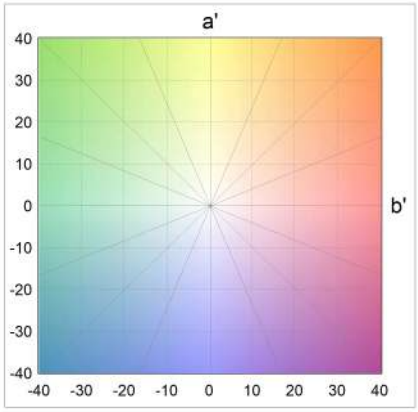


Gráfico Vectorial de Color

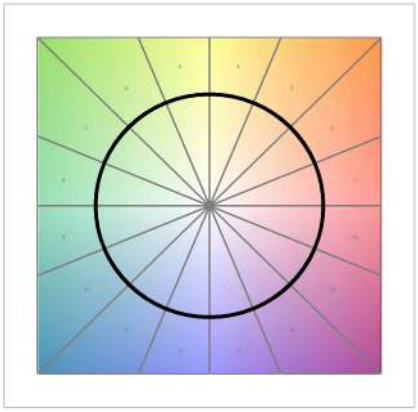


Gráfico de Distorsión de Color



Diagrama Rf vs Rg

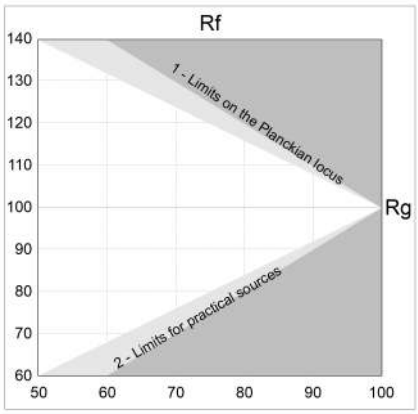
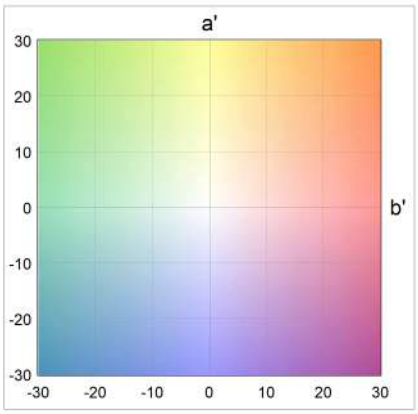


Diagrama Gamut



Cambios por Bin

