Luminaire

Code	30931309xxxU
Name	NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Line	OxyTech

Measurem.

Code	CL092A24D005VPE4
Name	NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Source Data

Code	LED	Correlated Color Temperature (CCT)	2418K	Q.ty	1
Name	LED	Color rendering index (CRI)	94		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	04-07-2024	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	1098.2 lm
Maximum	446.01 cd/klm	Position	C=15.0° G=2.5°

Electrical Parameters

Channel 1		Channel 2	
Voltage	120.00 V	Voltage	0.00 V
Current	0.16 A	Current	0.00 A
Power	18.60 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.98	Power Factor	0.00

Environmental Parameters

Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	60.6 %		

Luminaire Dimensions

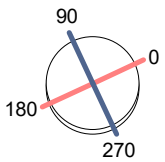
Round Luminaire	Diam.	600 mm	Height	330 mm	
Round Luminous Area	Diam.	300 mm	Height	0 mm	
Horizontal Luminous Area		0.070686 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at 76°		0.017100 m2

Photometric Assessment

Luminaire Flux	1098.2 lm	Source Flux	1098.2 lm
Efficacy	59.044 lm/W	Efficiency	100.0 %
CIE Flux Codes	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

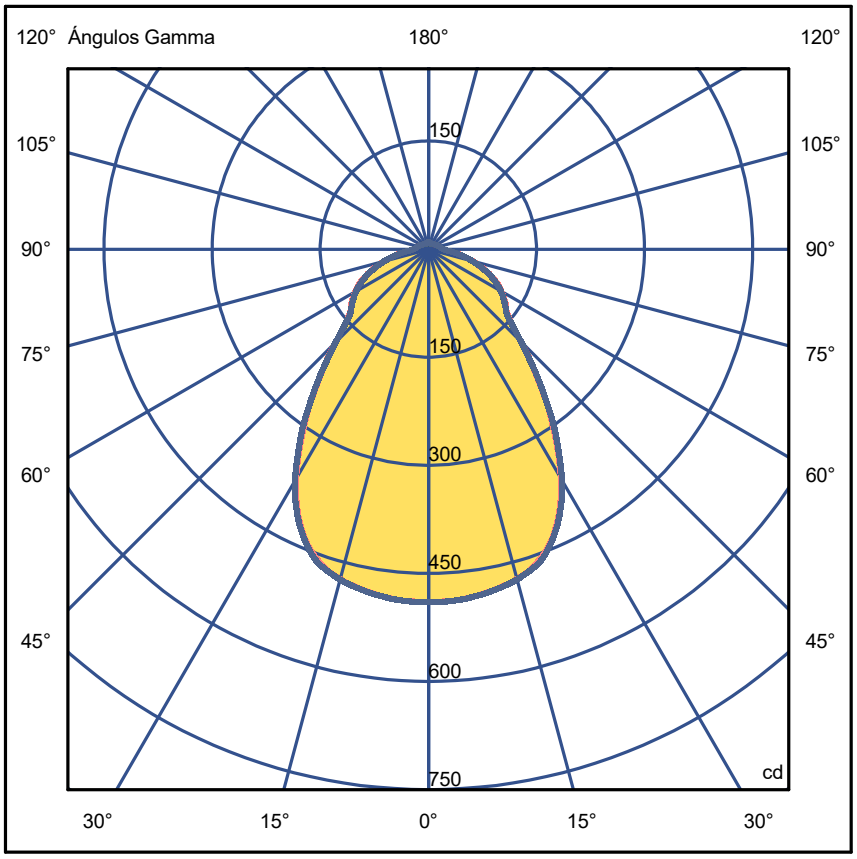


Diam=600mm





ULOR 7.21 %
DLOR 92.79 %
RN 7.21 %



Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

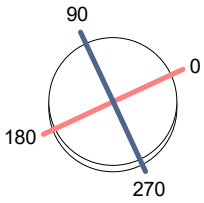
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	490	490	490	490	490	490	490
G 2.5	489	490	490	490	490	490	490
G 5.0	488	489	489	489	489	489	489
G 7.5	486	486	486	486	486	486	486
G 10.0	483	483	483	483	483	483	483
G 12.5	479	479	479	479	479	479	479
G 15.0	474	475	475	475	474	474	475
G 17.5	467	468	468	468	468	468	468
G 20.0	456	458	459	460	460	459	459
G 22.5	442	443	445	446	445	443	443
G 25.0	421	423	423	423	423	423	423
G 27.5	396	397	394	394	395	398	399
G 30.0	367	366	366	365	367	368	371
G 32.5	335	335	334	335	336	338	337
G 35.0	302	302	303	304	305	305	306
G 37.5	271	269	272	274	273	272	271
G 40.0	238	238	241	244	243	241	239
G 42.5	209	208	211	213	212	209	208
G 45.0	181	181	183	184	184	183	182
G 47.5	160	159	157	157	159	160	159
G 50.0	145	142	141	140	142	143	143
G 52.5	136	135	134	135	135	135	135
G 55.0	130	129	129	129	129	129	129
G 57.5	124	123	123	123	123	123	122
G 60.0	117	116	116	116	115	115	116
G 62.5	110	109	108	108	108	108	108
G 65.0	102	101	101	101	100	100	100
G 67.5	92	93	92	92	92	92	92
G 70.0	83	83	83	83	83	82	82
G 72.5	73	72	73	72	72	72	72
G 75.0	63	63	64	64	64	63	63
G 77.5	53	54	54	54	54	53	53
G 80.0	44	44	45	45	45	44	44
G 82.5	36	37	37	37	37	37	37
G 85.0	29	29	29	28	29	28	28
G 87.5	23	23	23	23	23	23	23
G 90.0	20	20	20	20	20	20	20
G 92.5	19	19	19	19	19	19	19
G 95.0	17	18	18	18	18	18	17
G 97.5	17	18	18	18	18	18	17
G100.0	16	17	17	17	17	17	17
G102.5	16	16	16	16	16	16	16
G105.0	15	15	16	16	16	15	15
G107.5	15	15	15	16	15	14	15
G110.0	14	14	14	15	15	13	14
G112.5	14	13	14	14	14	13	14
G115.0	13	13	13	13	13	13	13
G117.5	12	12	12	13	12	12	13
G120.0	12	12	11	12	11	12	12
G122.5	11	11	10	11	11	11	12
G125.0	11	11	10	10	10	11	11
G127.5	10	10	9	9	10	10	11
G130.0	10	10	9	9	10	10	10
G132.5	10	10	9	9	10	10	10
G135.0	10	10	9	9	9	10	10
G137.5	10	10	9	9	9	10	10
G140.0	10	10	9	9	9	10	10
G142.5	9	10	9	9	9	10	10
G145.0	10	9	9	9	9	10	10
G147.5	9	9	9	9	9	9	9
G150.0	9	9	9	9	9	9	9
G152.5	9	9	9	9	9	9	9
G155.0	9	9	9	9	9	9	9
G157.5	9	9	9	9	9	9	9
G160.0	9	8	8	8	8	9	9
G162.5	8	8	8	8	8	8	8
G165.0	8	8	8	8	8	8	8
G167.5	8	8	8	8	8	8	8
G170.0	9	8	8	8	9	8	9
G172.5	9	9	9	9	9	9	9
G175.0	10	10	10	9	9	10	10
G177.5	10	10	10	10	10	10	10
G180.0	11	11	11	11	11	11	11

Luminaire
Code 30931309xxxU
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Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

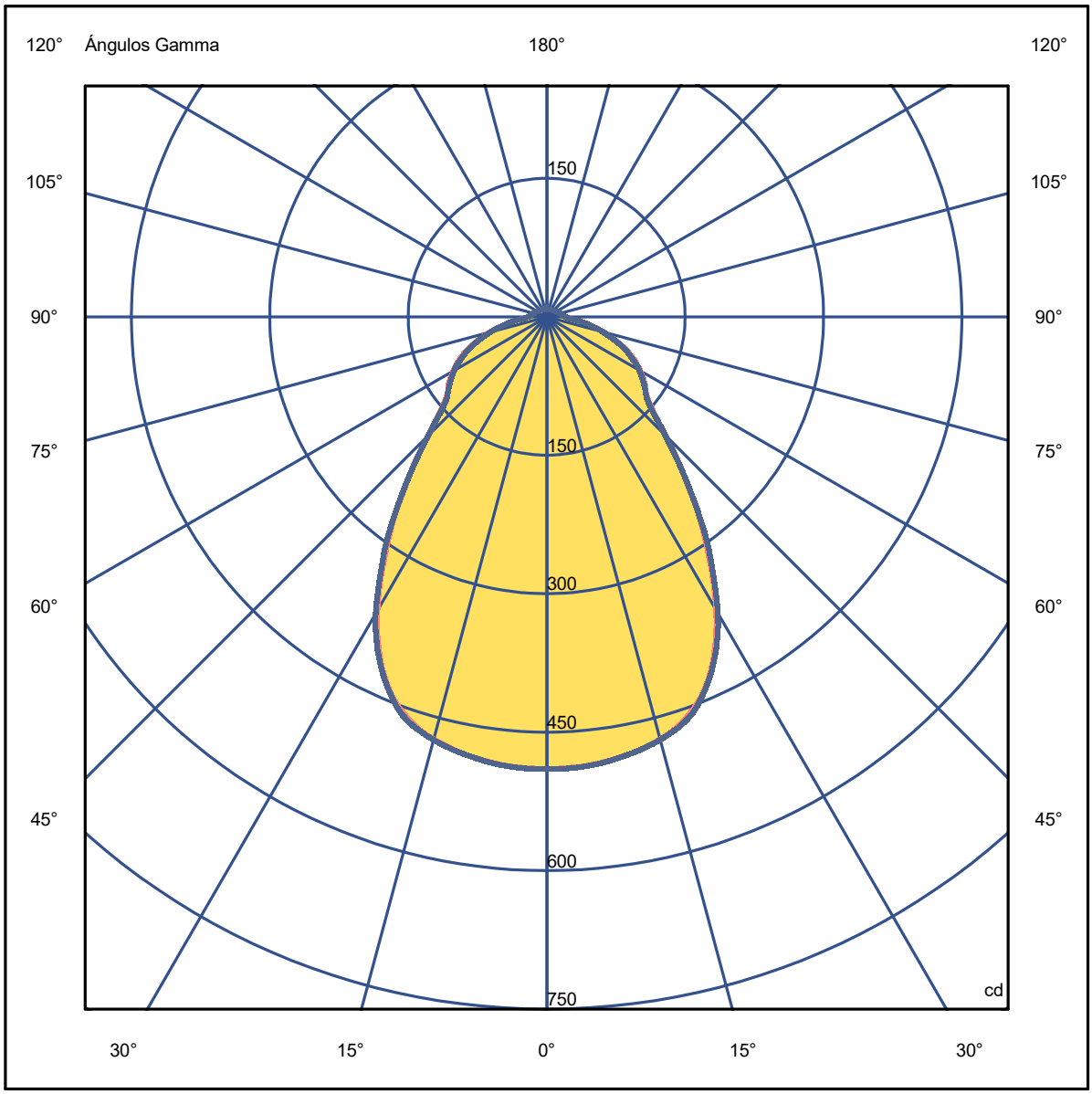
Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
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Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	15.6	16.7	15.9	17.0	17.4	15.6	16.7	15.9	17.0	17.4
x=2H y=3H	17.4	18.4	17.8	18.8	19.2	17.4	18.4	17.8	18.8	19.2
x=2H y=4H	18.2	19.2	18.7	19.6	20.0	18.2	19.1	18.6	19.5	20.0
x=2H y=6H	19.0	19.8	19.4	20.3	20.7	18.9	19.8	19.4	20.2	20.7
x=2H y=8H	19.3	20.1	19.7	20.6	21.0	19.2	20.1	19.7	20.5	21.0
x=2H y=12H	19.6	20.4	20.1	20.9	21.3	19.5	20.4	20.0	20.8	21.3
x=4H y=2H	16.3	17.2	16.7	17.6	18.1	16.3	17.2	16.7	17.6	18.1
x=4H y=3H	18.3	19.1	18.8	19.6	20.1	18.3	19.1	18.8	19.6	20.0
x=4H y=4H	19.3	20.0	19.8	20.5	21.0	19.3	20.0	19.8	20.5	21.0
x=4H y=6H	20.2	20.8	20.7	21.3	21.8	20.1	20.8	20.7	21.3	21.8
x=4H y=8H	20.6	21.2	21.1	21.7	22.2	20.6	21.1	21.1	21.6	22.2
x=4H y=12H	21.0	21.5	21.5	22.0	22.6	20.9	21.5	21.5	22.0	22.6
x=8H y=4H	19.7	20.3	20.2	20.8	21.3	19.7	20.2	20.2	20.8	21.3
x=8H y=6H	20.8	21.2	21.3	21.8	22.4	20.7	21.2	21.3	21.8	22.3
x=8H y=8H	21.3	21.7	21.9	22.3	22.9	21.3	21.7	21.9	22.3	22.9
x=8H y=12H	21.8	22.2	22.5	22.8	23.4	21.8	22.2	22.4	22.8	23.4
x=12H y=4H	19.7	20.3	20.3	20.8	21.4	19.7	20.2	20.3	20.8	21.3
x=12H y=6H	20.9	21.3	21.5	21.9	22.5	20.9	21.3	21.4	21.8	22.5
x=12H y=8H	21.5	21.9	22.1	22.4	23.1	21.5	21.8	22.1	22.4	23.1

Luminaire
Code 30931309xxxU
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Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

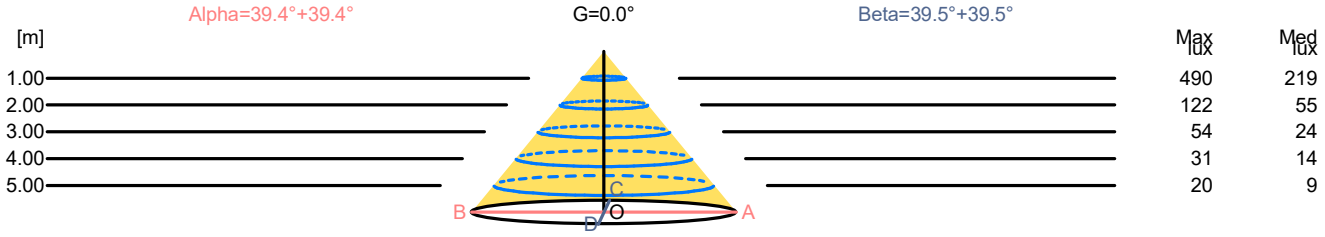
Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

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

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	489.79	488.34	473.83	421.36	301.62	181.25	130.28	101.81	63.31	28.68
OB	489.79	488.34	473.83	421.36	301.62	181.25	130.28	101.81	63.31	28.68
OC	489.79	488.55	474.52	422.77	305.57	181.57	128.96	99.68	62.75	28.24
OD	489.79	488.55	474.52	422.77	305.57	181.57	128.96	99.68	62.75	28.24



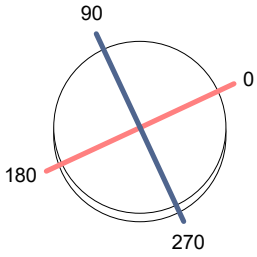
H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4° G=0.0
1.00	1.64	490	219	
2.00	3.29	122	55	
3.00	4.93	54	24	
4.00	6.58	31	14	
5.00	8.22	20	9	

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5° G=0.0
1.00	1.65	490	219	
2.00	3.30	122	55	
3.00	4.95	54	24	
4.00	6.60	31	14	
5.00	8.25	20	9	

Luminaire
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Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

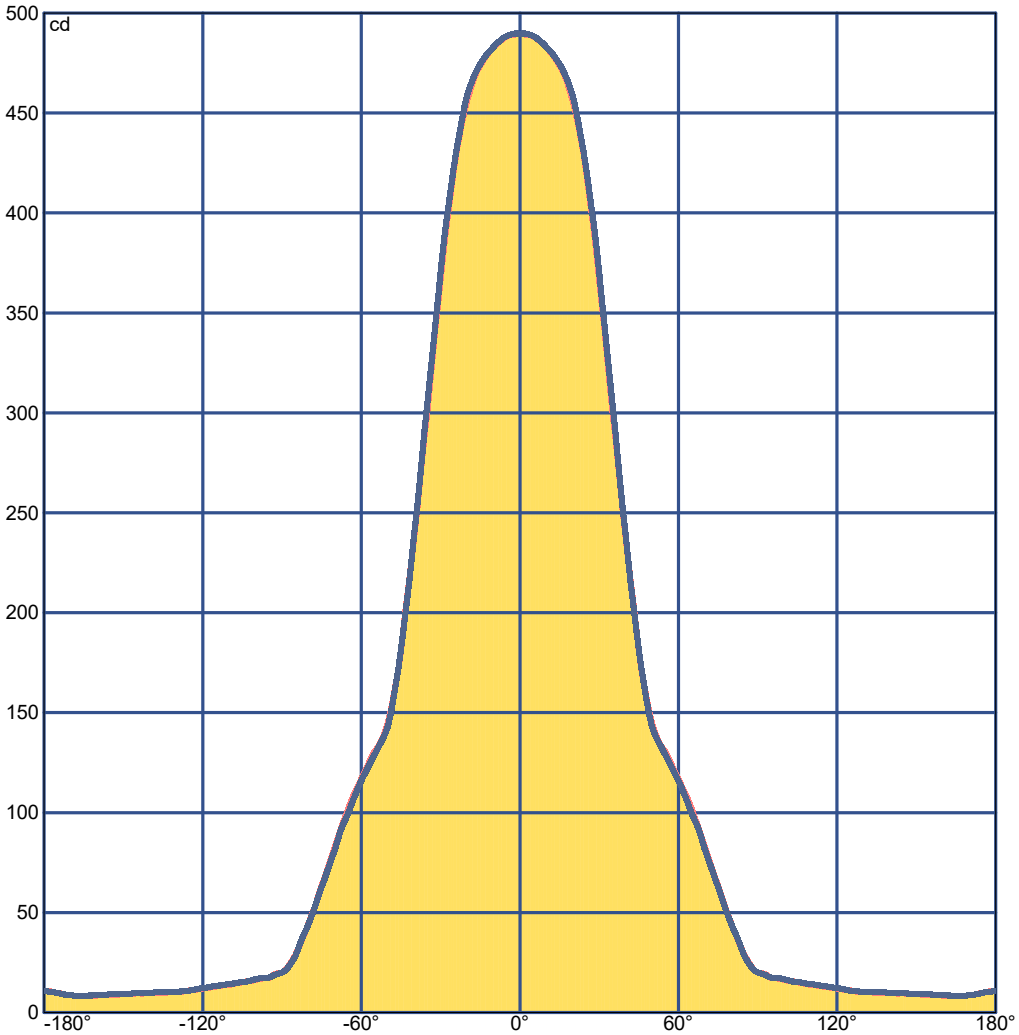
Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





Luminaire
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Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=1098.22 Flujo Luminaria=1098.22

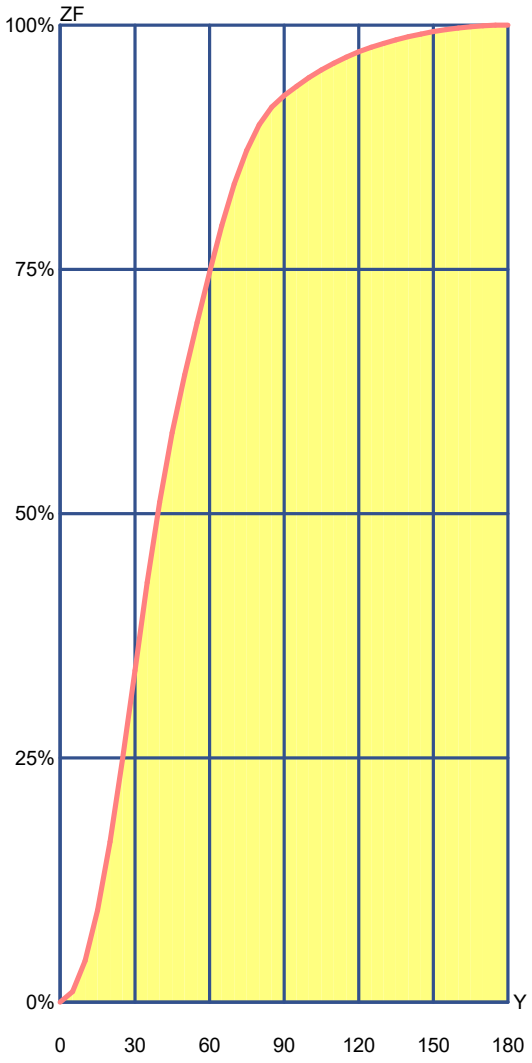
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.47	0.53	0.59	0.64	0.72	0.77	0.80	0.85	0.87	0.94	0.97
RC	3	4	4	4	4	4	4	4	4	4	4	3

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 %



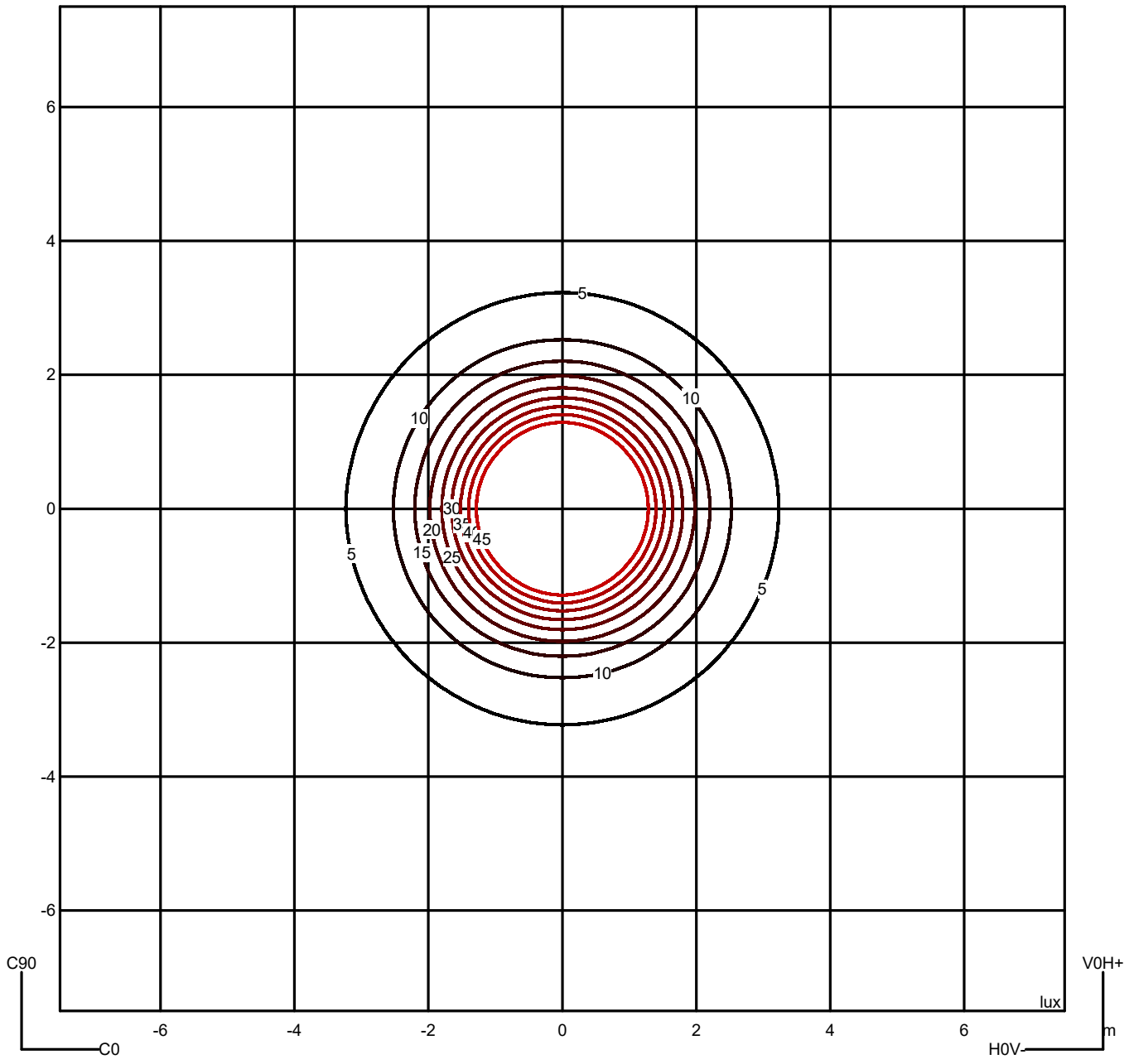
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.65	10.65	1.07 %	1.07 %
10°	31.66	42.31	3.17 %	4.23 %
15°	51.73	94.04	5.17 %	9.40 %
20°	70.09	164.13	7.01 %	16.41 %
25°	84.43	248.56	8.44 %	24.86 %
30°	91.02	339.57	9.10 %	33.96 %
35°	89.81	429.39	8.98 %	42.94 %
40°	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 %

Luminaire
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Measurem.
Code CL092A24D005VPE4
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Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



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Measurem.
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Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.484037	y =0.413870
CIE1960	u =0.276657	v =0.354829
CIE1976	u'=0.276657	v'=0.532243
D(u,v)	0.00021	

Color rendering index (CRI)
Color Rendering Components

CRI8(Ra) [94.1]* CRI15(Rav) [92.1]*

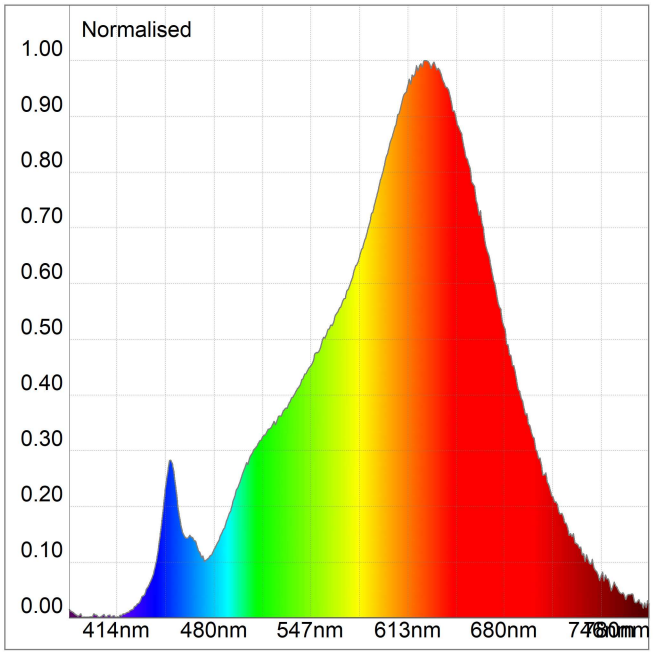
R 1: 94.7	R 2: 97.9	R 3: 99.3	R 4: 95.2	R 5: 95.1
R 6: 97.7	R 7: 91.2	R 8: 81.4	R 9: 61.2	R10: 94.6
R11: 97.7	R12: 91.1	R13: 95.7	R14: 98.8	R15: 89.6

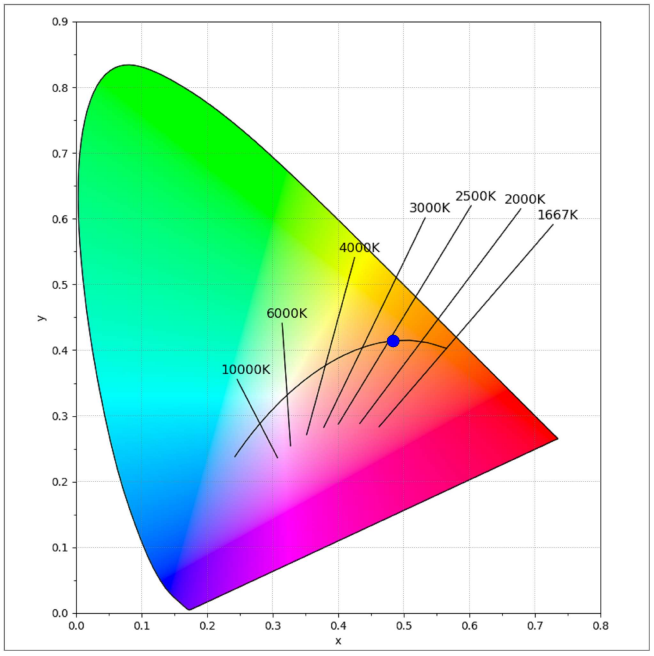
CCT = [2418 K]*

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
381.0	0.014962	387.0	0.002831	393.0	0.000809
399.0	0.004347	405.0	0.005762	411.0	0.003134
417.0	0.003336	423.0	0.013142	429.0	0.025879
435.0	0.054286	441.0	0.101395	447.0	0.228771
453.0	0.262940	459.0	0.153660	465.0	0.144561
471.0	0.117165	477.0	0.107056	483.0	0.134048
489.0	0.171856	495.0	0.217752	501.0	0.263546
507.0	0.295188	513.0	0.318439	519.0	0.339365
525.0	0.361808	531.0	0.375960	537.0	0.406086
543.0	0.437323	549.0	0.460675	555.0	0.496159
561.0	0.525677	567.0	0.555904	573.0	0.589567
579.0	0.634048	585.0	0.681662	591.0	0.741003
597.0	0.802062	603.0	0.861605	609.0	0.914982
615.0	0.967246	621.0	0.981702	627.0	0.999798
633.0	0.990194	639.0	0.960069	645.0	0.909321
651.0	0.869794	657.0	0.806409	663.0	0.722200
669.0	0.656086	675.0	0.582592	681.0	0.517792
687.0	0.452285	693.0	0.389102	699.0	0.333300
705.0	0.286797	711.0	0.238374	717.0	0.202891
723.0	0.169228	729.0	0.133846	735.0	0.114840
741.0	0.105034	747.0	0.075516	753.0	0.060554
759.0	0.048423	765.0	0.039931	771.0	0.026789
777.0	0.026992				

Spectrum Graph

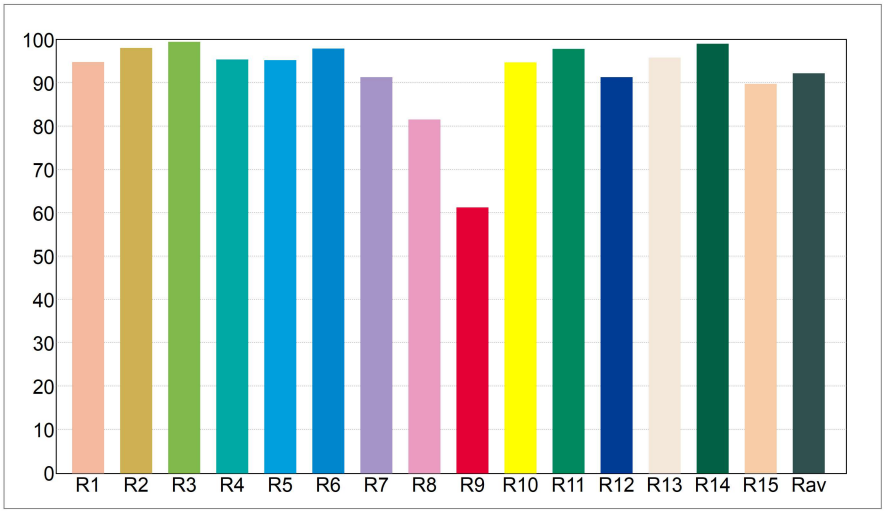


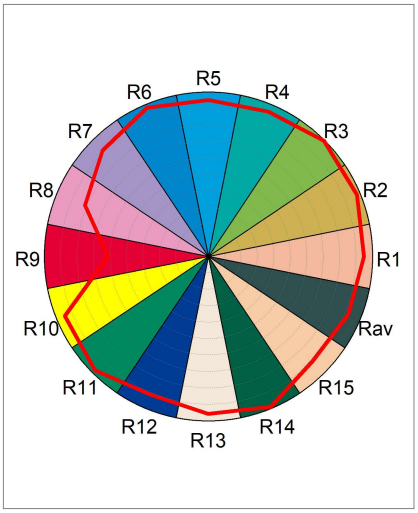


Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

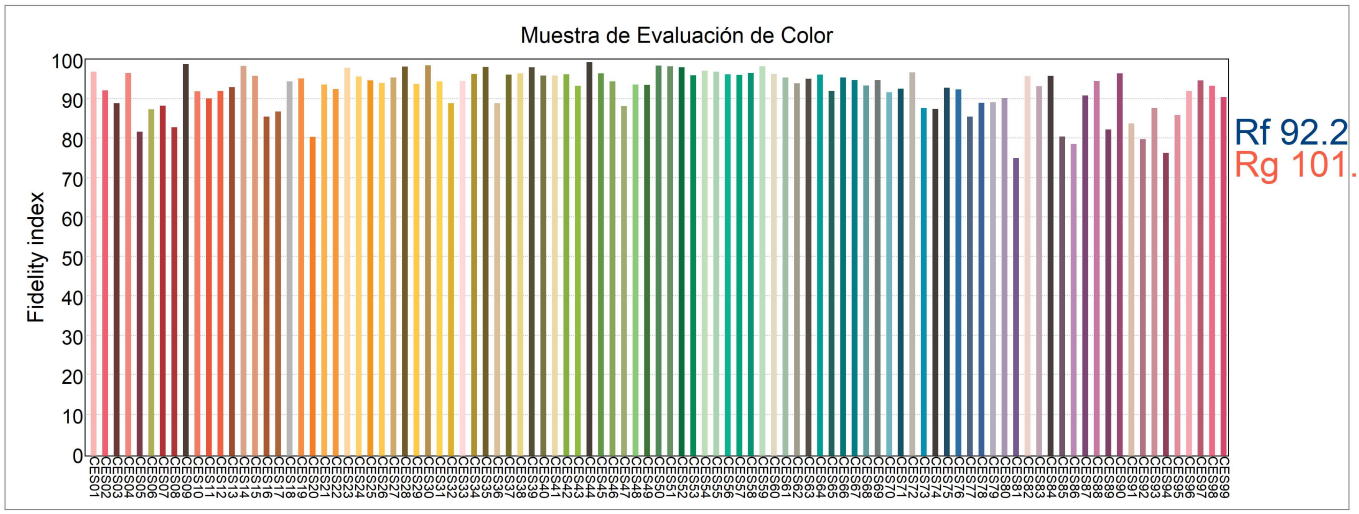
CRI Graphs



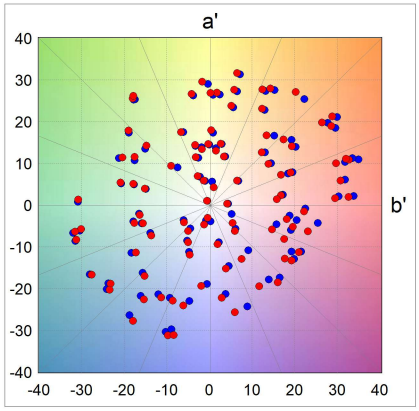


Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE4
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

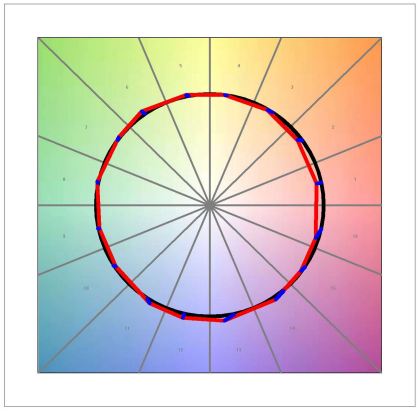
Luminaire Flux	1098 lm	Luminaire Power	18.6 W	Efficacy	59.044 lm/W	Efficiency	100.00%
Source Flux	1098 lm	Maximum value	489.81 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



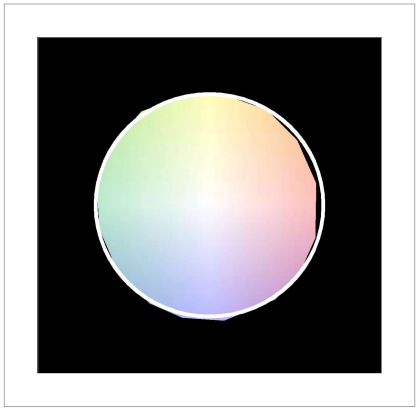
Chromatic Coordinates (a', b') 99 CES



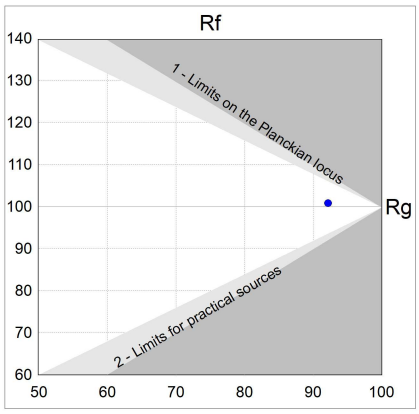
Color Vector Graphic



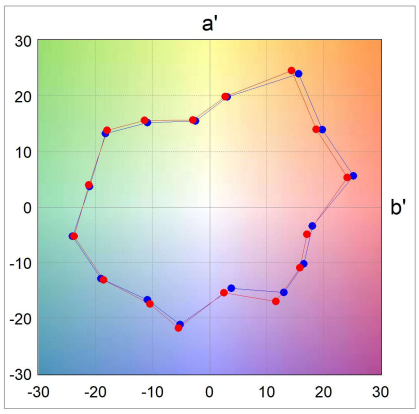
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

