Luminaire

Code	30931309xxx
Name	NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Line	

Measurem.

Code	CL092A24D005VPE1
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	1128.1 lm
Maximum	446.01 cd/klm	Position	C=15.0° G=2.5°

Electrical Parameters

Channel 1		Channel 2	
Voltage	230.08 V	Voltage	0.00 V
Current	0.13 A	Current	0.00 A
Power	19.07 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.62	Power Factor	0.00

Environmental Parameters

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

Luminaire Dimensions

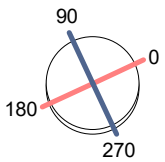
Round Luminaire	Diam.	600 mm	Height	330 mm	
Round Luminous Area	Diam.	300 mm	Height	0 mm	
Horizontal Luminous Area		0.070686 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at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

Photometric Assessment

Luminaire Flux	1128.1 lm	Source Flux	1128.1 lm
Efficacy	59.139 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

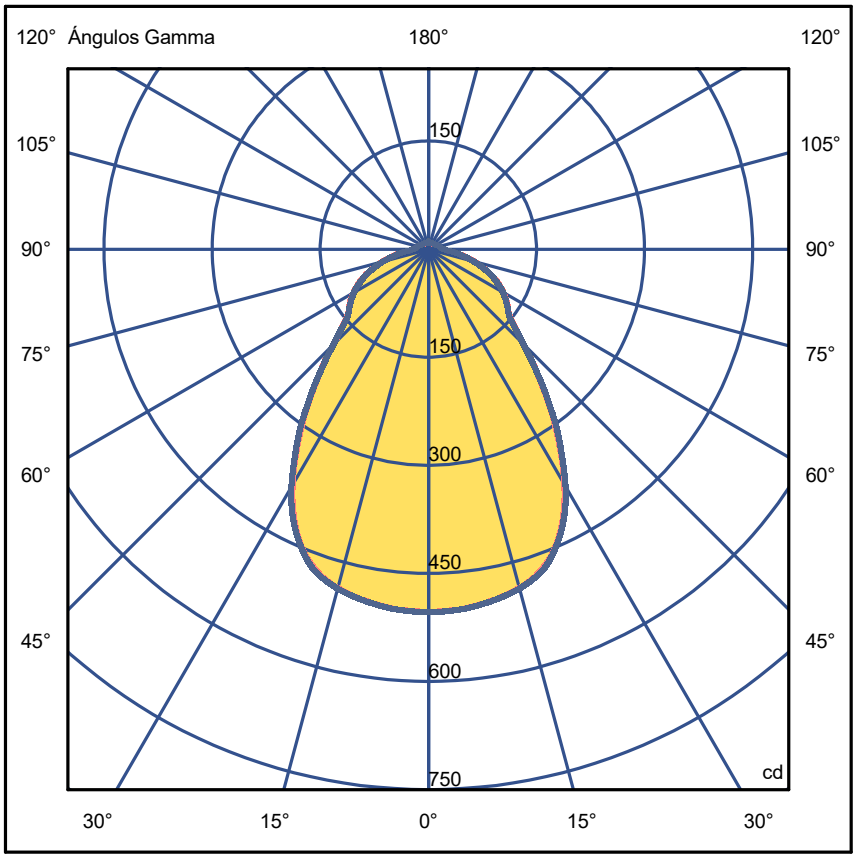


Diam=600mm





ULOR 7.21 %
DLOR 92.79 %
RN 7.21 %



Luminaire
Code 30931309xxx
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

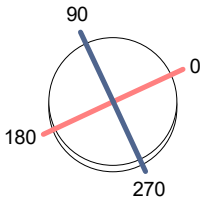
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	503	503	503	503	503	503	503
G 2.5	502	503	503	503	503	503	503
G 5.0	502	502	502	502	502	502	502
G 7.5	499	500	500	500	500	500	499
G 10.0	496	496	496	496	496	496	496
G 12.5	492	492	492	492	492	492	492
G 15.0	487	487	487	487	487	487	487
G 17.5	480	481	481	481	481	481	481
G 20.0	468	470	472	472	472	471	471
G 22.5	454	455	457	458	458	455	455
G 25.0	433	434	435	435	435	435	434
G 27.5	407	408	405	405	406	409	410
G 30.0	377	376	376	375	377	378	381
G 32.5	344	344	343	344	345	347	346
G 35.0	310	310	311	312	313	313	314
G 37.5	278	276	279	282	281	279	279
G 40.0	244	245	248	250	249	247	245
G 42.5	215	213	217	219	218	215	214
G 45.0	186	186	188	189	189	188	187
G 47.5	164	163	162	161	163	164	164
G 50.0	149	146	145	144	145	147	147
G 52.5	139	138	138	138	138	139	139
G 55.0	134	133	132	133	133	133	132
G 57.5	127	127	126	126	126	126	126
G 60.0	120	119	119	119	118	118	119
G 62.5	113	112	111	111	111	111	111
G 65.0	105	103	103	104	103	102	102
G 67.5	95	95	95	95	94	95	94
G 70.0	85	85	85	85	85	84	84
G 72.5	75	74	74	74	74	74	74
G 75.0	65	65	65	66	65	65	64
G 77.5	55	55	55	55	55	54	55
G 80.0	46	46	46	46	46	45	45
G 82.5	37	38	38	38	38	38	38
G 85.0	29	29	29	29	30	29	29
G 87.5	24	24	24	24	24	23	23
G 90.0	21	20	21	21	21	21	21
G 92.5	20	19	19	19	19	19	19
G 95.0	18	18	18	18	18	18	18
G 97.5	17	18	18	19	19	18	18
G100.0	17	17	18	18	18	17	17
G102.5	16	16	17	17	17	16	16
G105.0	16	16	16	17	16	15	16
G107.5	15	15	16	16	16	15	15
G110.0	14	14	15	15	15	14	15
G112.5	14	14	14	15	14	13	14
G115.0	13	13	13	14	13	13	14
G117.5	13	13	12	13	12	13	13
G120.0	12	12	11	12	12	12	12
G122.5	12	12	11	11	11	12	12
G125.0	11	11	10	10	10	11	11
G127.5	11	11	10	10	10	11	11
G130.0	10	10	10	9	10	11	11
G132.5	10	10	10	9	10	10	11
G135.0	10	10	10	9	10	10	10
G137.5	10	10	10	9	10	10	10
G140.0	10	10	9	9	10	10	10
G142.5	10	10	9	9	10	10	10
G145.0	10	10	9	9	9	10	10
G147.5	9	9	9	9	9	10	10
G150.0	9	9	9	9	9	10	10
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	9	9	9	9	9	9
G162.5	9	8	8	8	8	9	9
G165.0	8	8	8	8	8	8	8
G167.5	8	8	8	8	8	8	8
G170.0	9	9	9	9	9	9	9
G172.5	9	9	9	9	9	9	9
G175.0	10	10	10	10	10	10	10
G177.5	11	11	10	10	10	11	11
G180.0	11	11	11	11	11	11	11

Luminaire
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Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

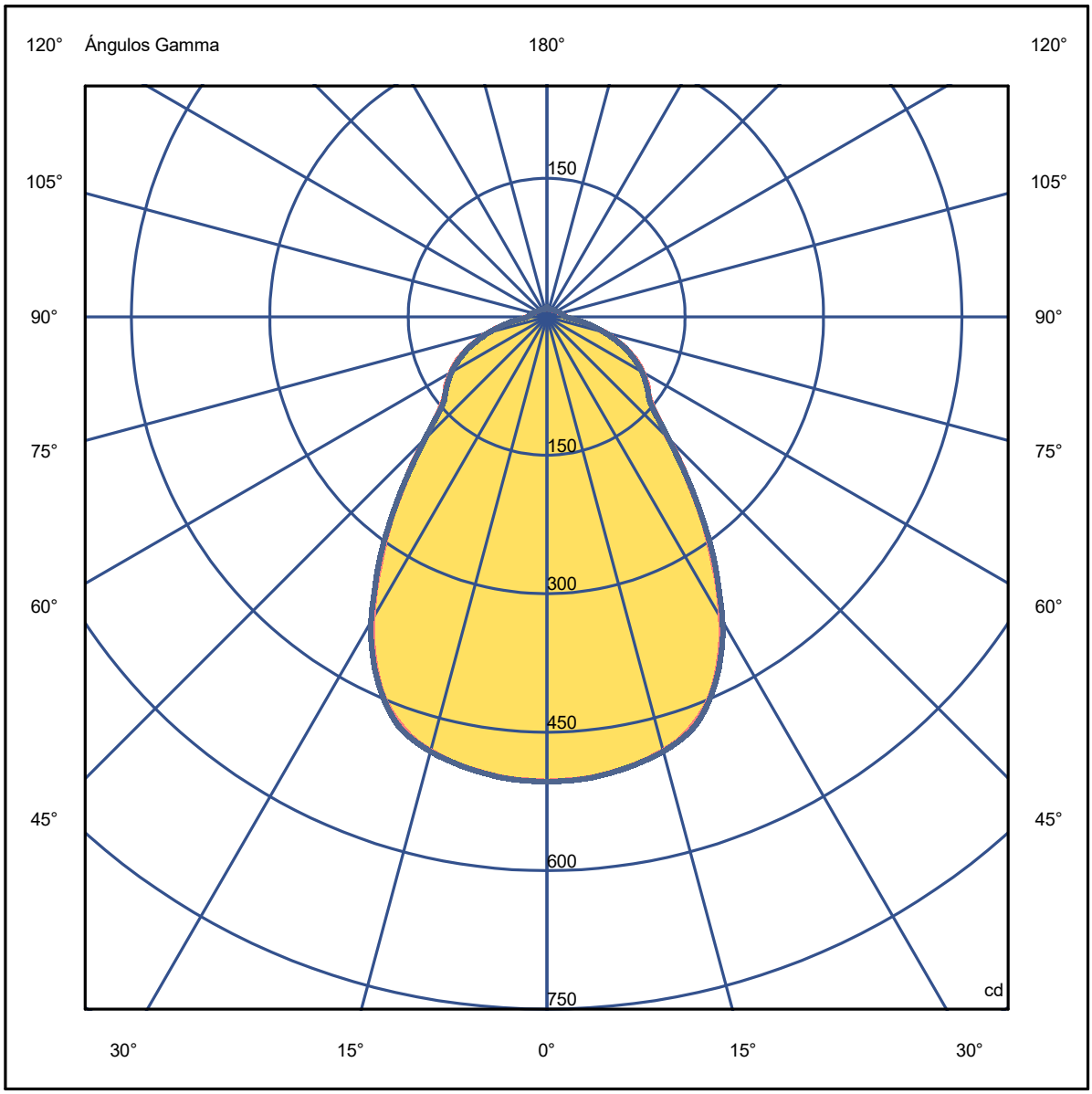
Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
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Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 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	15.7	16.8	16.0	17.1	17.5	15.6	16.8	16.0	17.1	17.5
x=2H y=3H	17.5	18.5	17.9	18.9	19.3	17.5	18.5	17.9	18.9	19.3
x=2H y=4H	18.3	19.3	18.8	19.7	20.1	18.3	19.2	18.7	19.6	20.1
x=2H y=6H	19.0	19.9	19.5	20.4	20.8	19.0	19.9	19.5	20.3	20.8
x=2H y=8H	19.4	20.2	19.8	20.7	21.1	19.3	20.2	19.8	20.6	21.1
x=2H y=12H	19.7	20.5	20.2	20.9	21.4	19.6	20.5	20.1	20.9	21.4
x=4H y=2H	16.4	17.3	16.8	17.7	18.2	16.4	17.3	16.8	17.7	18.2
x=4H y=3H	18.4	19.2	18.9	19.7	20.1	18.4	19.2	18.9	19.6	20.1
x=4H y=4H	19.4	20.1	19.9	20.6	21.1	19.4	20.1	19.9	20.6	21.1
x=4H y=6H	20.3	20.9	20.8	21.4	21.9	20.2	20.9	20.7	21.4	21.9
x=4H y=8H	20.7	21.3	21.2	21.8	22.3	20.6	21.2	21.2	21.7	22.3
x=4H y=12H	21.1	21.6	21.6	22.1	22.7	21.0	21.6	21.6	22.1	22.7
x=8H y=4H	19.8	20.4	20.3	20.9	21.4	19.8	20.3	20.3	20.9	21.4
x=8H y=6H	20.9	21.3	21.4	21.9	22.5	20.8	21.3	21.4	21.8	22.4
x=8H y=8H	21.4	21.8	22.0	22.4	23.0	21.4	21.8	22.0	22.4	23.0
x=8H y=12H	21.9	22.3	22.5	22.9	23.5	21.9	22.3	22.5	22.9	23.5
x=12H y=4H	19.8	20.4	20.4	20.9	21.5	19.8	20.3	20.4	20.9	21.4
x=12H y=6H	21.0	21.4	21.6	22.0	22.6	21.0	21.4	21.5	21.9	22.6
x=12H y=8H	21.6	21.9	22.2	22.5	23.2	21.6	21.9	22.2	22.5	23.2

Luminaire
Code 30931309xxx
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Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

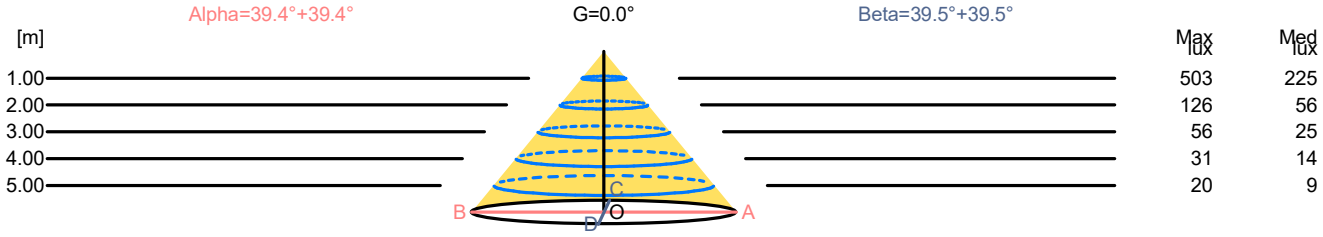
Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

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	503.11	501.61	486.71	432.82	309.82	186.18	133.83	104.57	65.03	29.46
OB	503.11	501.61	486.71	432.82	309.82	186.18	133.83	104.57	65.03	29.46
OC	503.11	501.83	487.42	434.26	313.88	186.50	132.47	102.39	64.46	29.01
OD	503.11	501.83	487.42	434.26	313.88	186.50	132.47	102.39	64.46	29.01



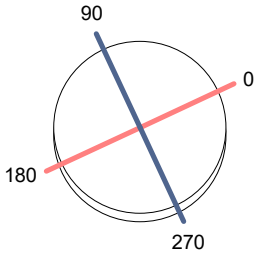
H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4° G=0.0
1.00	1.64	503	225	
2.00	3.29	126	56	
3.00	4.93	56	25	
4.00	6.58	31	14	
5.00	8.22	20	9	

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5° G=0.0
1.00	1.65	503	225	
2.00	3.30	126	56	
3.00	4.95	56	25	
4.00	6.60	31	14	
5.00	8.25	20	9	

Luminaire
Code 30931309xxx
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

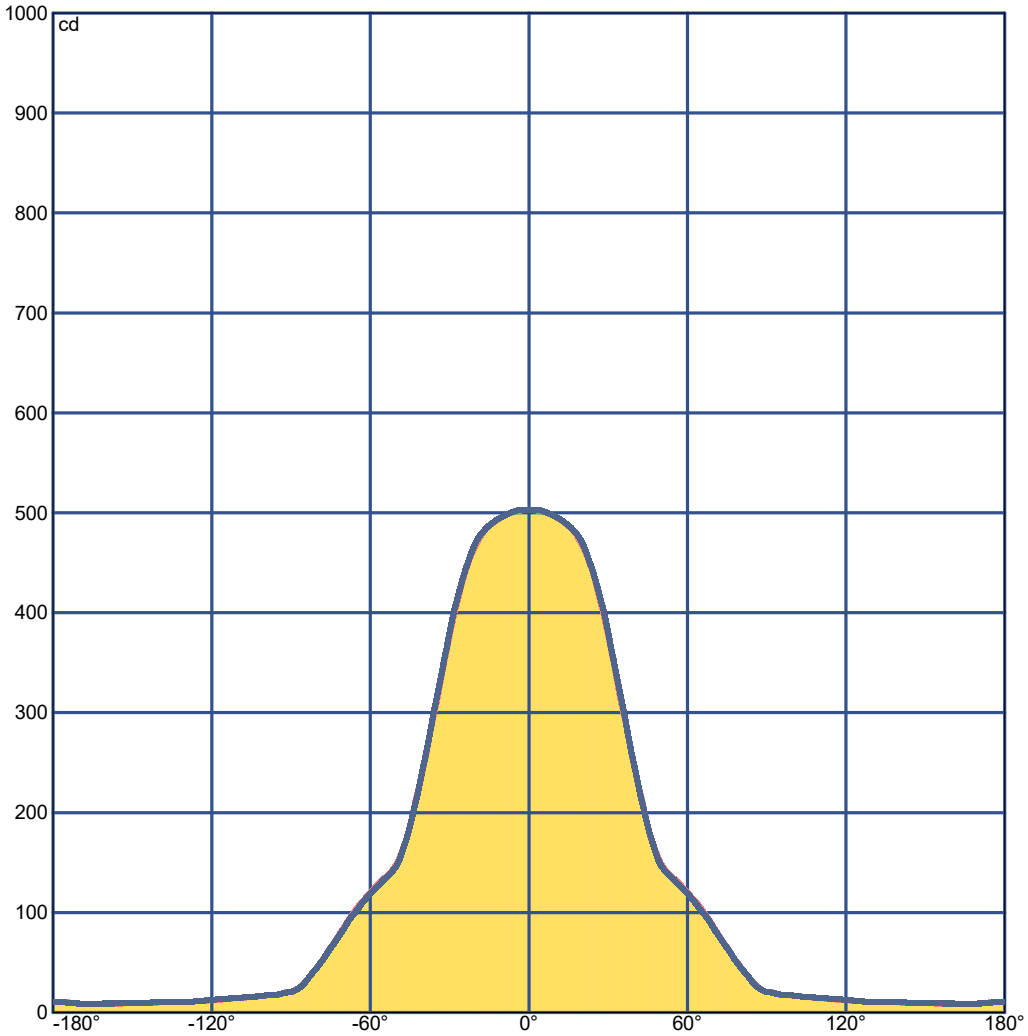
Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





Luminaire
Code 30931309xxx
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Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=1128.07 Flujo Luminaria=1128.07

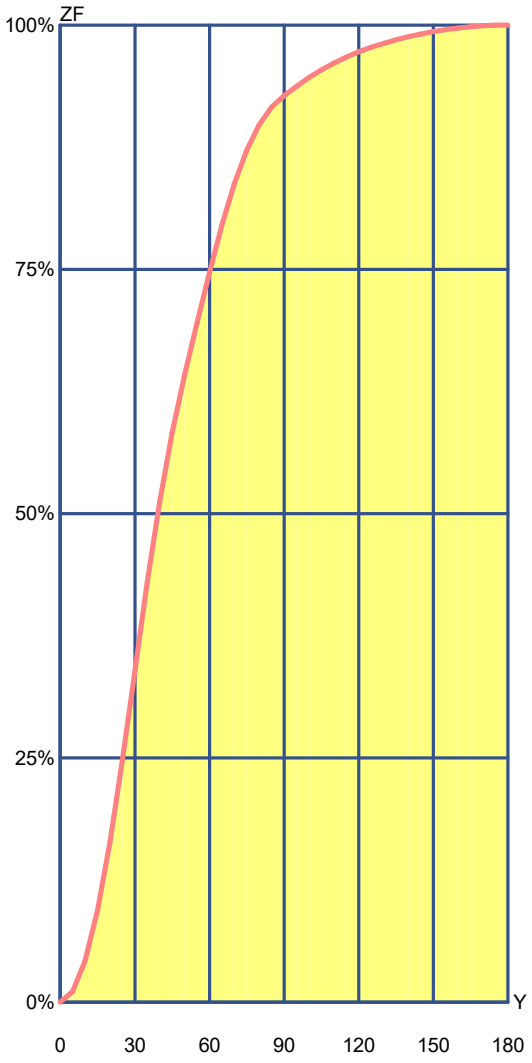
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.47	0.53	0.59	0.64	0.72	0.77	0.80	0.85	0.87	0.94	0.97
RC	3	4	4	4	4	4	4	4	4	4	4	3

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 %



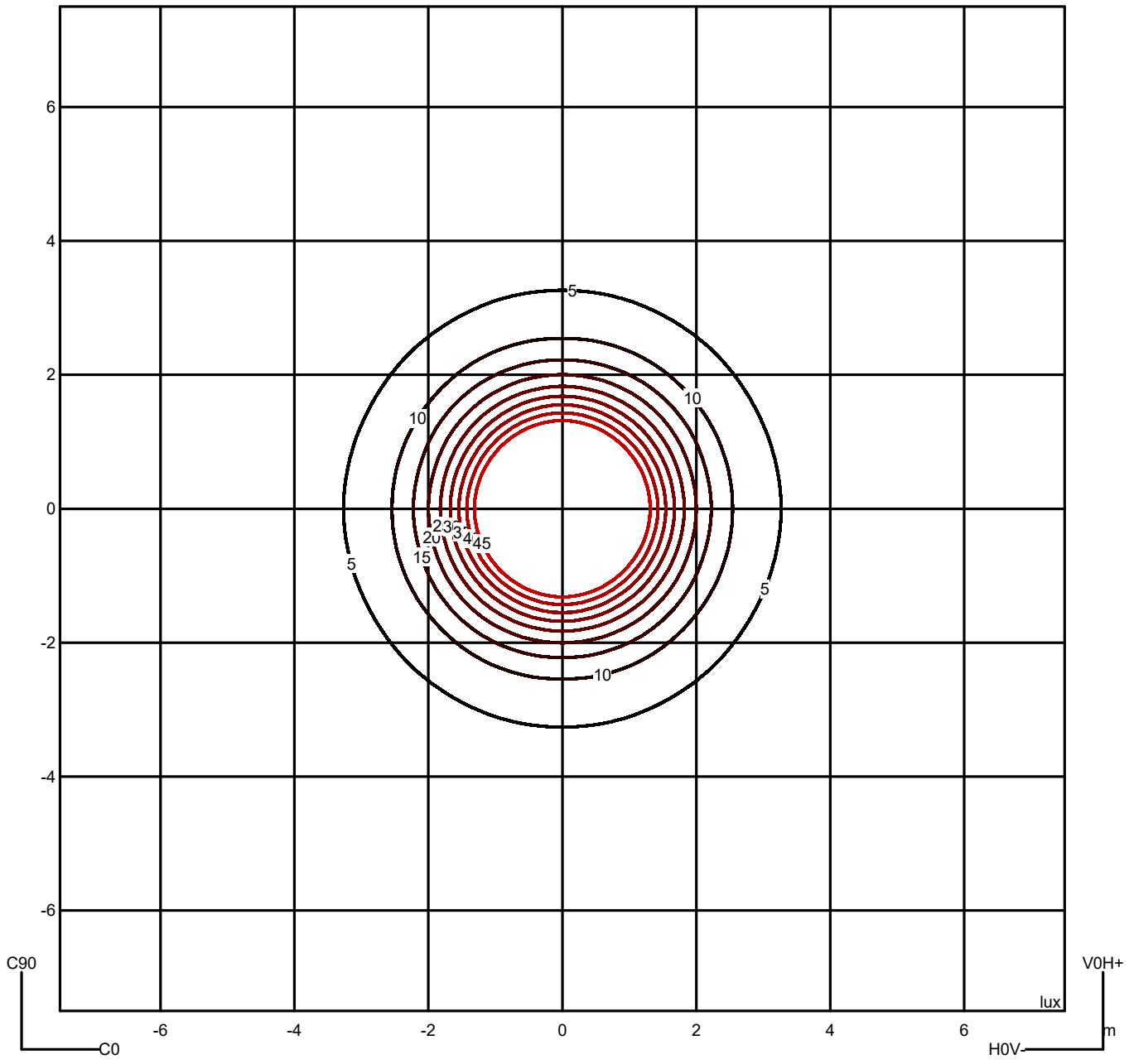
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.65	10.65	1.07 %	1.07 %
10°	31.66	42.31	3.17 %	4.23 %
15°	51.73	94.04	5.17 %	9.40 %
20°	70.09	164.13	7.01 %	16.41 %
25°	84.43	248.56	8.44 %	24.86 %
30°	91.02	339.57	9.10 %	33.96 %
35°	89.81	429.39	8.98 %	42.94 %
40°	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 CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 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.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 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

CCT = [2418 K]*

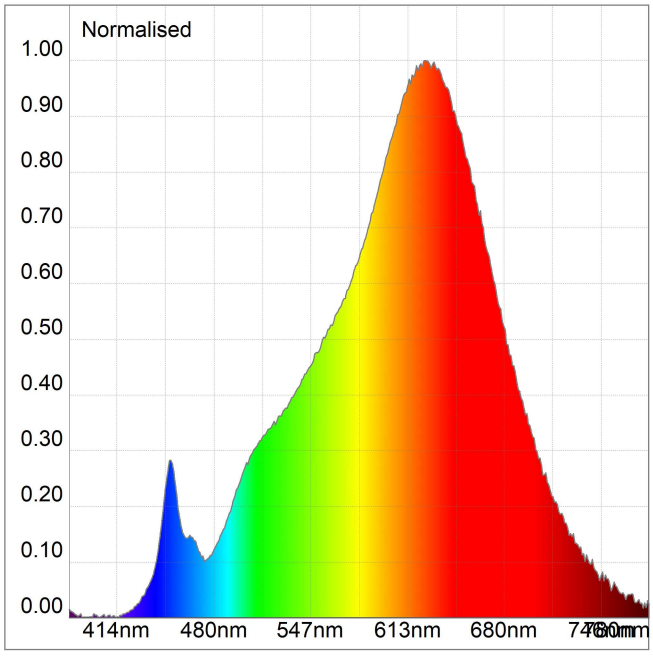
CRI8(Ra) [94.1]* CRI15(Rav) [92.1]*

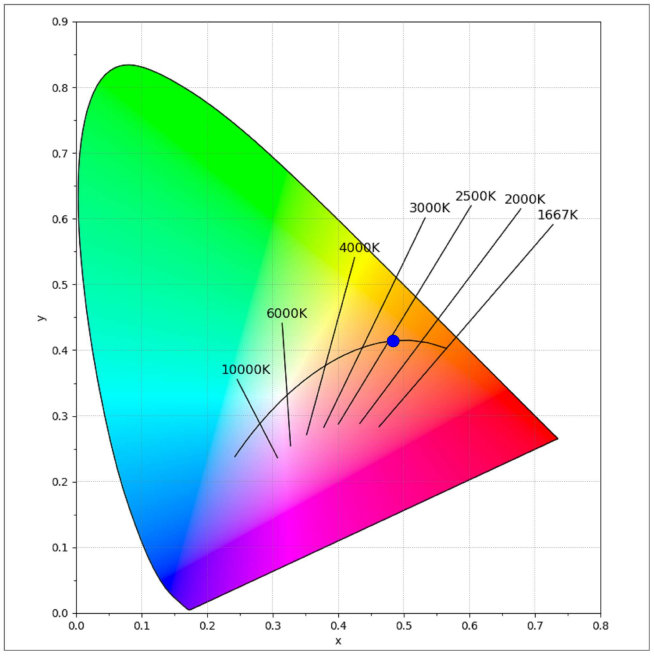
R 1: 94.7	R 2: 97.9	R 3: 99.3	R 4: 95.2	R 5: 95.1
R 6: 97.7	R 7: 91.2	R 8: 81.4	R 9: 61.2	R10: 94.6
R11: 97.7	R12: 91.1	R13: 95.7	R14: 98.8	R15: 89.6

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

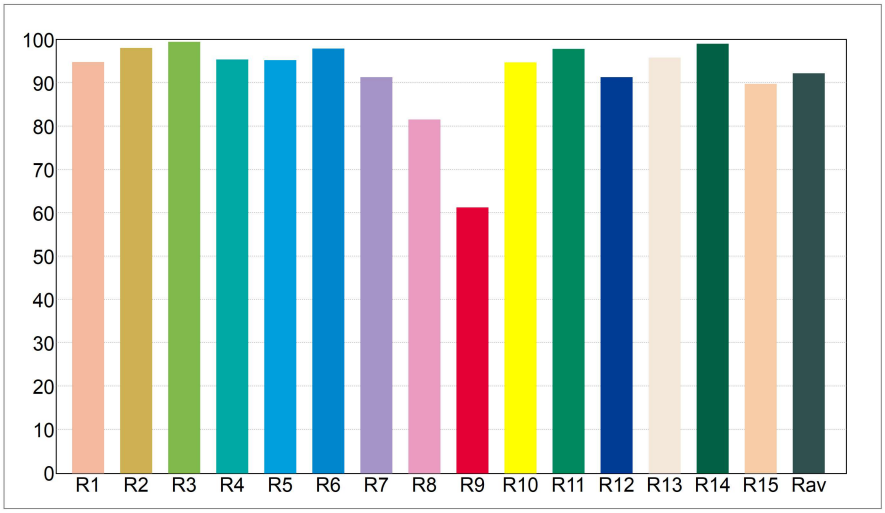


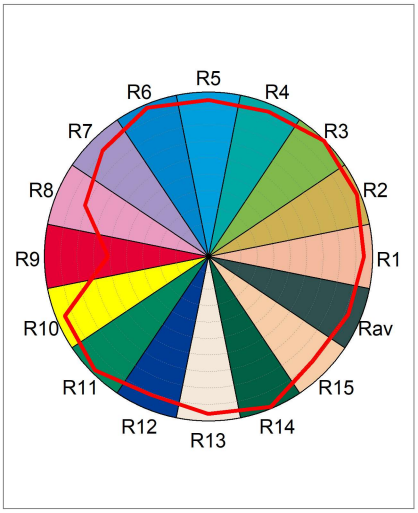


Luminaire
Code 30931309xxx
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

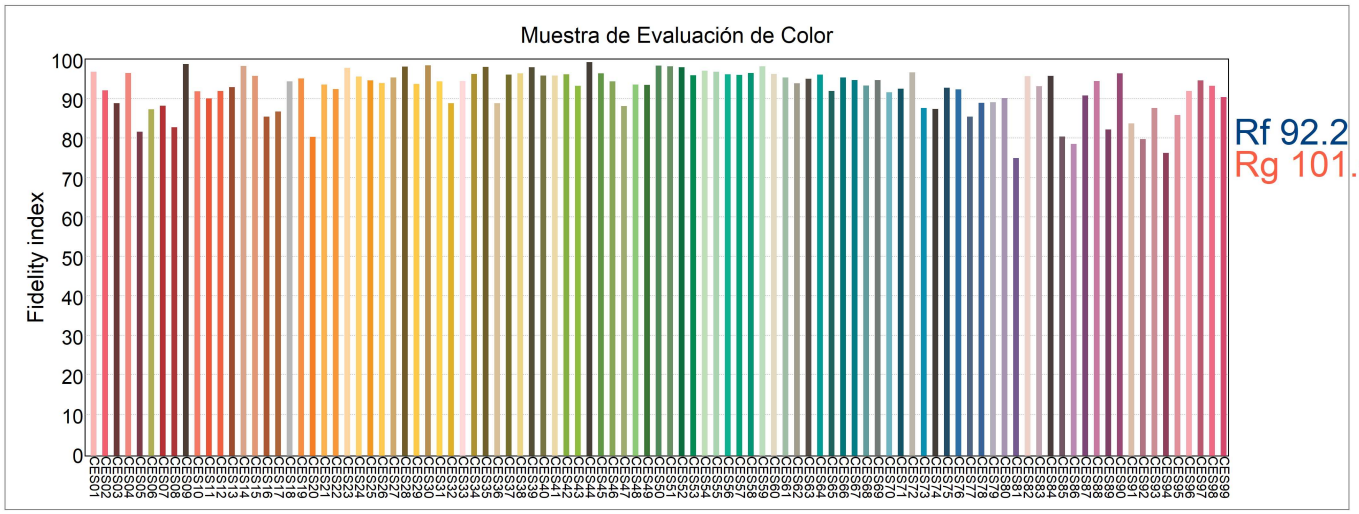
CRI Graphs



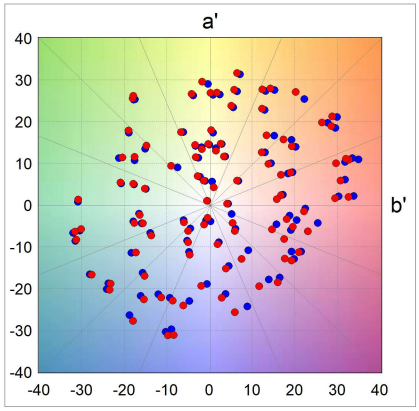


Luminaire
Code 30931309xxx
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED
Measurem.
Code CL092A24D005VPE1
Name NANS_BAG_38_OUTDOOR_2400K_BROWN_RED

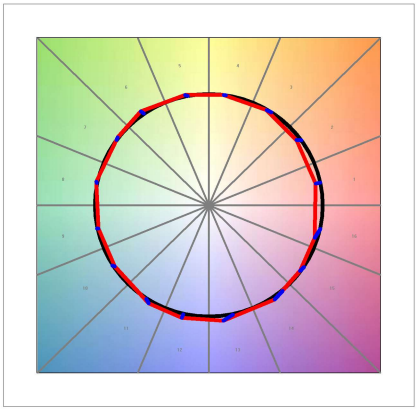
Luminaire Flux	1128 lm	Luminaire Power	19.1 W	Efficacy	59.139 lm/W	Efficiency	100.00%
Source Flux	1128 lm	Maximum value	503.13 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



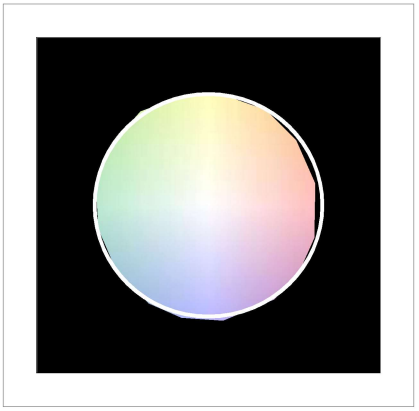
Chromatic Coordinates (a', b') 99 CES



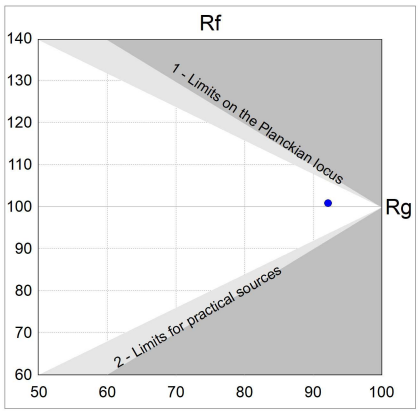
Color Vector Graphic



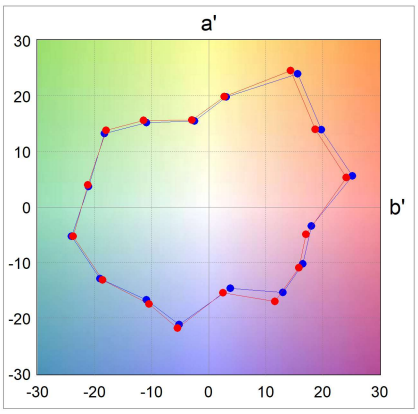
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

