Luminaire

Code	30931309xxxU
Name	NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Line	OxyTech

Measurem.

Code	CL092A24D005VPE5
Name	NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Source Data

Code	LED	Correlated Color Temperature (CCT)	2776K	Q.ty	1
Name	LED	Color rendering index (CRI)	91		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	04-07-2024	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	1146.1 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

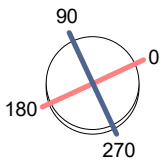
Round Luminaire	Diam.	600 mm	Height	330 mm	
Round Luminous Area	Diam.	300 mm	Height	0 mm	
Horizontal Luminous Area	0.070686 m2		Emitting area on Plane 180°	0.000000 m2	
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2	
Emitting area on Plane 90°	0.000000 m2		Glare area at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

Photometric Assessment

Luminaire Flux	1146.1 lm	Source Flux	1146.1 lm
Efficacy	61.620 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

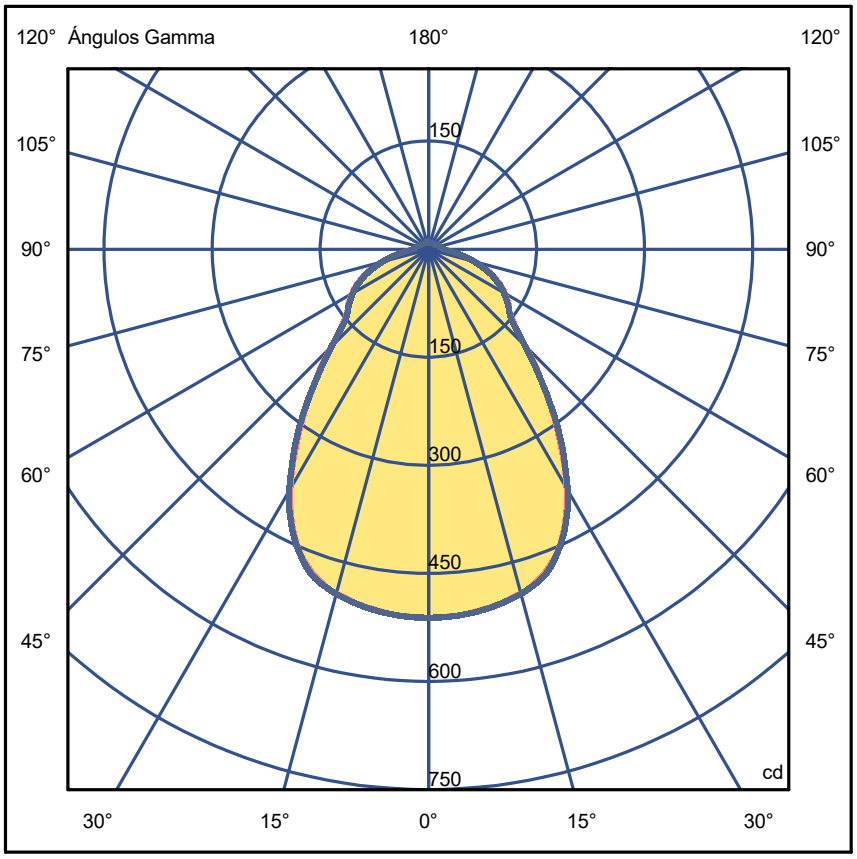


Diam=600mm





ULOR 7.21 %
DLOR 92.79 %
RN 7.21 %



Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

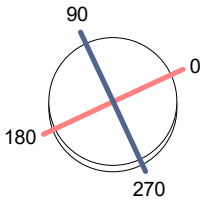
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	511	511	511	511	511	511	511
G 2.5	511	511	511	511	511	511	511
G 5.0	510	510	510	510	510	510	510
G 7.5	507	508	508	508	508	508	507
G 10.0	504	504	504	504	504	504	504
G 12.5	500	500	500	500	500	500	500
G 15.0	495	495	495	495	495	495	495
G 17.5	487	488	489	489	489	489	488
G 20.0	476	478	479	480	480	479	479
G 22.5	461	462	464	466	465	462	462
G 25.0	440	441	441	442	442	442	441
G 27.5	414	414	412	412	413	415	416
G 30.0	383	382	382	381	383	384	387
G 32.5	350	350	349	350	350	353	352
G 35.0	315	315	316	317	318	318	319
G 37.5	282	281	284	286	285	283	283
G 40.0	248	249	252	254	253	251	249
G 42.5	219	217	220	223	221	218	217
G 45.0	189	189	191	192	192	191	189
G 47.5	167	166	164	164	166	167	166
G 50.0	151	149	147	146	148	149	149
G 52.5	141	141	140	141	141	141	141
G 55.0	136	135	134	135	135	135	135
G 57.5	129	129	128	128	128	128	128
G 60.0	122	121	121	121	120	120	121
G 62.5	114	114	113	112	113	113	113
G 65.0	106	105	105	105	105	104	104
G 67.5	97	97	96	96	96	96	96
G 70.0	87	86	86	87	86	85	85
G 72.5	76	76	76	75	75	75	75
G 75.0	66	66	66	67	66	66	65
G 77.5	56	56	56	56	56	55	55
G 80.0	46	46	47	47	47	46	46
G 82.5	38	38	38	38	38	38	38
G 85.0	30	30	30	30	30	29	29
G 87.5	24	24	24	24	24	24	24
G 90.0	21	21	21	21	21	21	21
G 92.5	20	20	20	20	20	20	20
G 95.0	18	19	19	19	19	18	18
G 97.5	18	18	19	19	19	18	18
G100.0	17	18	18	18	18	17	17
G102.5	16	17	17	17	17	16	16
G105.0	16	16	17	17	17	16	16
G107.5	15	15	16	16	16	15	15
G110.0	15	14	15	16	15	14	15
G112.5	14	14	14	15	14	13	14
G115.0	14	13	13	14	14	13	14
G117.5	13	13	12	13	13	13	13
G120.0	13	12	12	12	12	12	13
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	11	11	10	10	10	11	11
G132.5	10	10	10	9	10	10	11
G135.0	10	10	10	9	10	10	11
G137.5	10	10	10	9	10	10	10
G140.0	10	10	10	9	10	10	10
G142.5	10	10	10	9	10	10	10
G145.0	10	10	9	9	10	10	10
G147.5	10	10	9	9	10	10	10
G150.0	9	9	9	9	10	10	10
G152.5	9	9	9	9	9	9	10
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	9	9	9	9	9	9
G165.0	9	8	8	8	8	8	9
G167.5	8	8	8	8	8	8	9
G170.0	9	9	9	9	9	9	9
G172.5	10	9	9	9	9	9	9
G175.0	10	10	10	10	10	10	10
G177.5	11	11	11	11	11	11	11
G180.0	11	11	11	11	11	11	11

Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

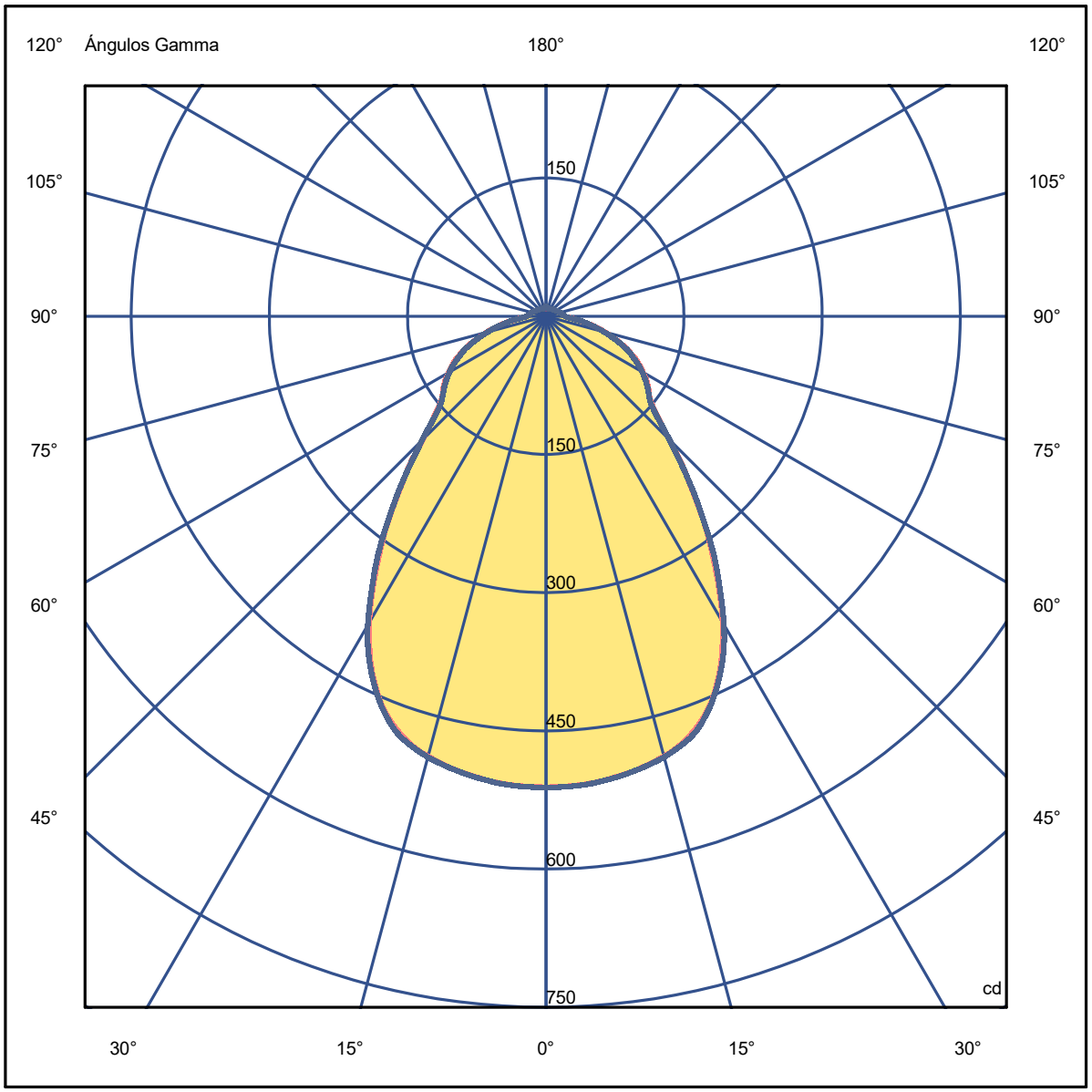
Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 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	16.1	17.2	17.5	15.7	16.8	16.1	17.2	17.5
x=2H y=3H	17.5	18.6	18.0	18.9	19.4	17.5	18.5	17.9	18.9	19.3
x=2H y=4H	18.4	19.3	18.8	19.7	20.2	18.3	19.3	18.8	19.7	20.1
x=2H y=6H	19.1	20.0	19.6	20.4	20.9	19.1	19.9	19.5	20.4	20.8
x=2H y=8H	19.4	20.3	19.9	20.7	21.2	19.4	20.2	19.9	20.7	21.1
x=2H y=12H	19.7	20.6	20.2	21.0	21.5	19.7	20.5	20.2	21.0	21.4
x=4H y=2H	16.4	17.4	16.9	17.8	18.2	16.4	17.4	16.9	17.8	18.2
x=4H y=3H	18.5	19.3	19.0	19.7	20.2	18.4	19.3	18.9	19.7	20.2
x=4H y=4H	19.5	20.2	20.0	20.7	21.2	19.4	20.1	19.9	20.6	21.1
x=4H y=6H	20.3	21.0	20.8	21.4	22.0	20.3	20.9	20.8	21.4	22.0
x=4H y=8H	20.7	21.3	21.3	21.8	22.4	20.7	21.3	21.2	21.8	22.4
x=4H y=12H	21.1	21.7	21.7	22.2	22.8	21.1	21.6	21.6	22.2	22.7
x=8H y=4H	19.8	20.4	20.4	20.9	21.5	19.8	20.4	20.4	20.9	21.5
x=8H y=6H	20.9	21.4	21.5	21.9	22.5	20.9	21.3	21.4	21.9	22.5
x=8H y=8H	21.5	21.9	22.0	22.4	23.1	21.4	21.8	22.0	22.4	23.0
x=8H y=12H	22.0	22.4	22.6	22.9	23.6	22.0	22.3	22.6	22.9	23.6
x=12H y=4H	19.9	20.4	20.4	20.9	21.5	19.9	20.4	20.4	20.9	21.5
x=12H y=6H	21.0	21.5	21.6	22.0	22.6	21.0	21.4	21.6	22.0	22.6
x=12H y=8H	21.6	22.0	22.2	22.6	23.2	21.6	22.0	22.2	22.6	23.2

Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

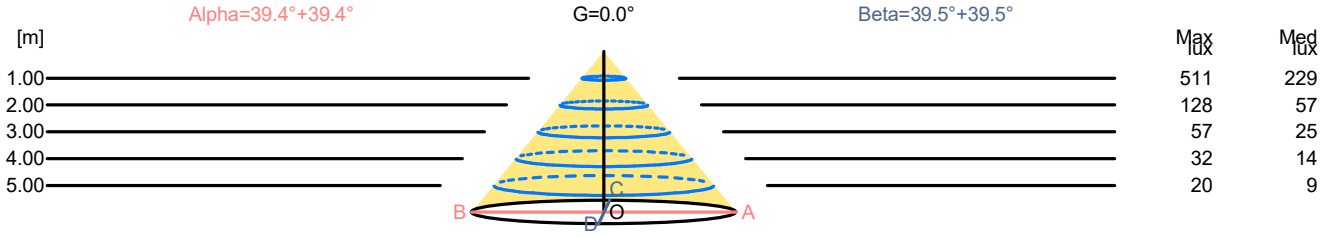
Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

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	511.16	509.64	494.51	439.75	314.78	189.16	135.97	106.25	66.07	29.93
OB	511.16	509.64	494.51	439.75	314.78	189.16	135.97	106.25	66.07	29.93
OC	511.16	509.87	495.23	441.21	318.90	189.49	134.59	104.03	65.49	29.47
OD	511.16	509.87	495.23	441.21	318.90	189.49	134.59	104.03	65.49	29.47



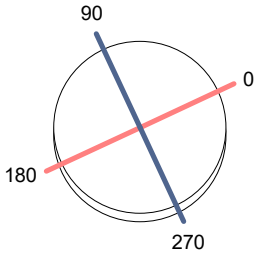
H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4° G=0.0
1.00	1.64	511	229	
2.00	3.29	128	57	
3.00	4.93	57	25	
4.00	6.58	32	14	
5.00	8.22	20	9	

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5° G=0.0
1.00	1.65	511	229	
2.00	3.30	128	57	
3.00	4.95	57	25	
4.00	6.60	32	14	
5.00	8.25	20	9	

Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

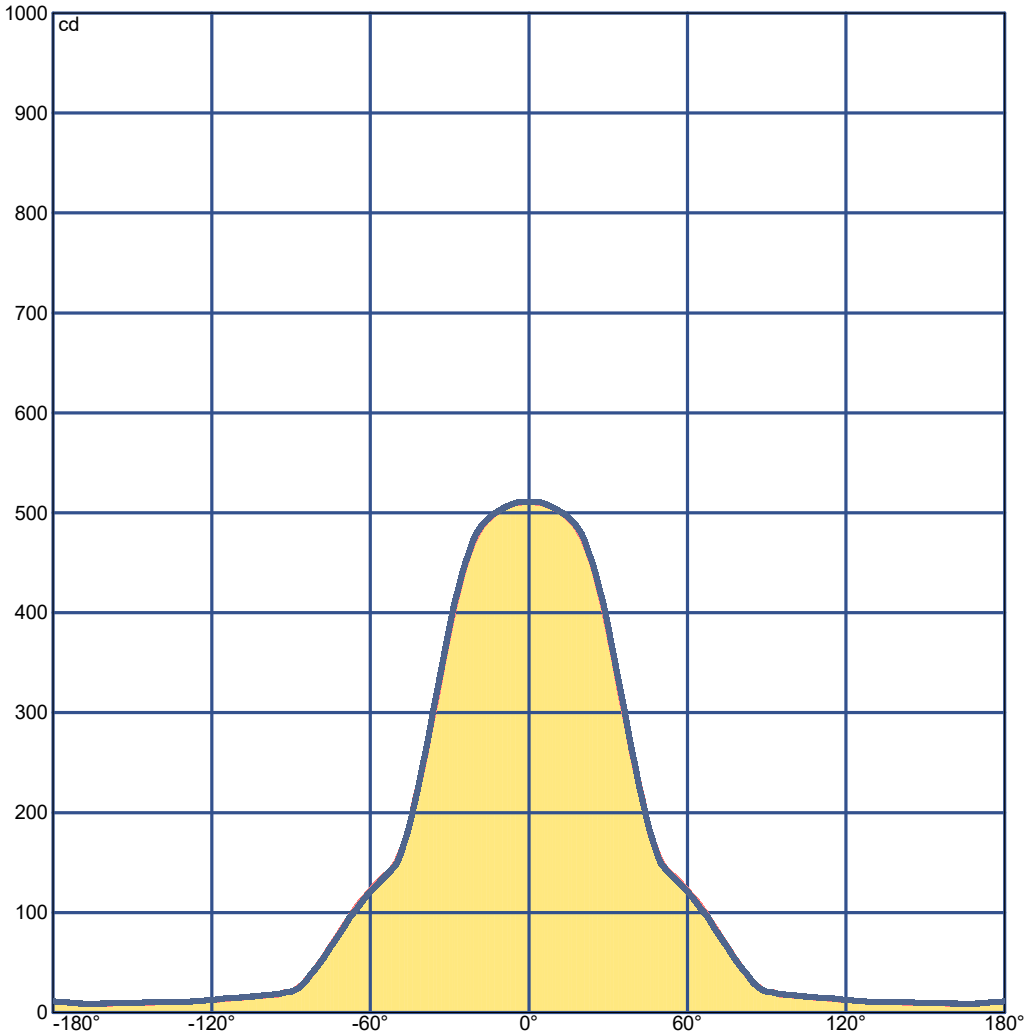
Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=1146.14 Flujo Luminaria=1146.14

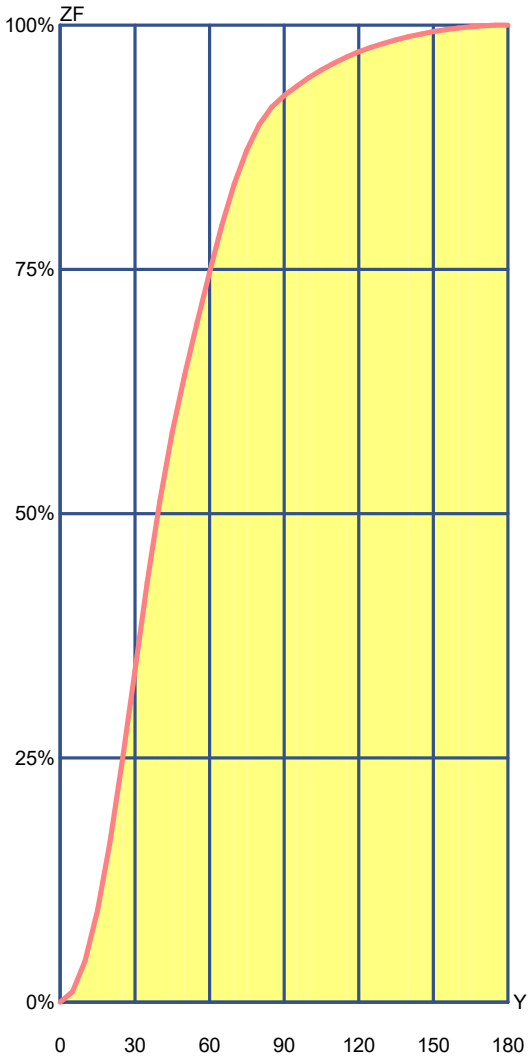
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.47	0.53	0.59	0.64	0.72	0.77	0.80	0.85	0.87	0.94	0.97
RC	3	4	4	4	4	4	4	4	4	4	4	3

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 %



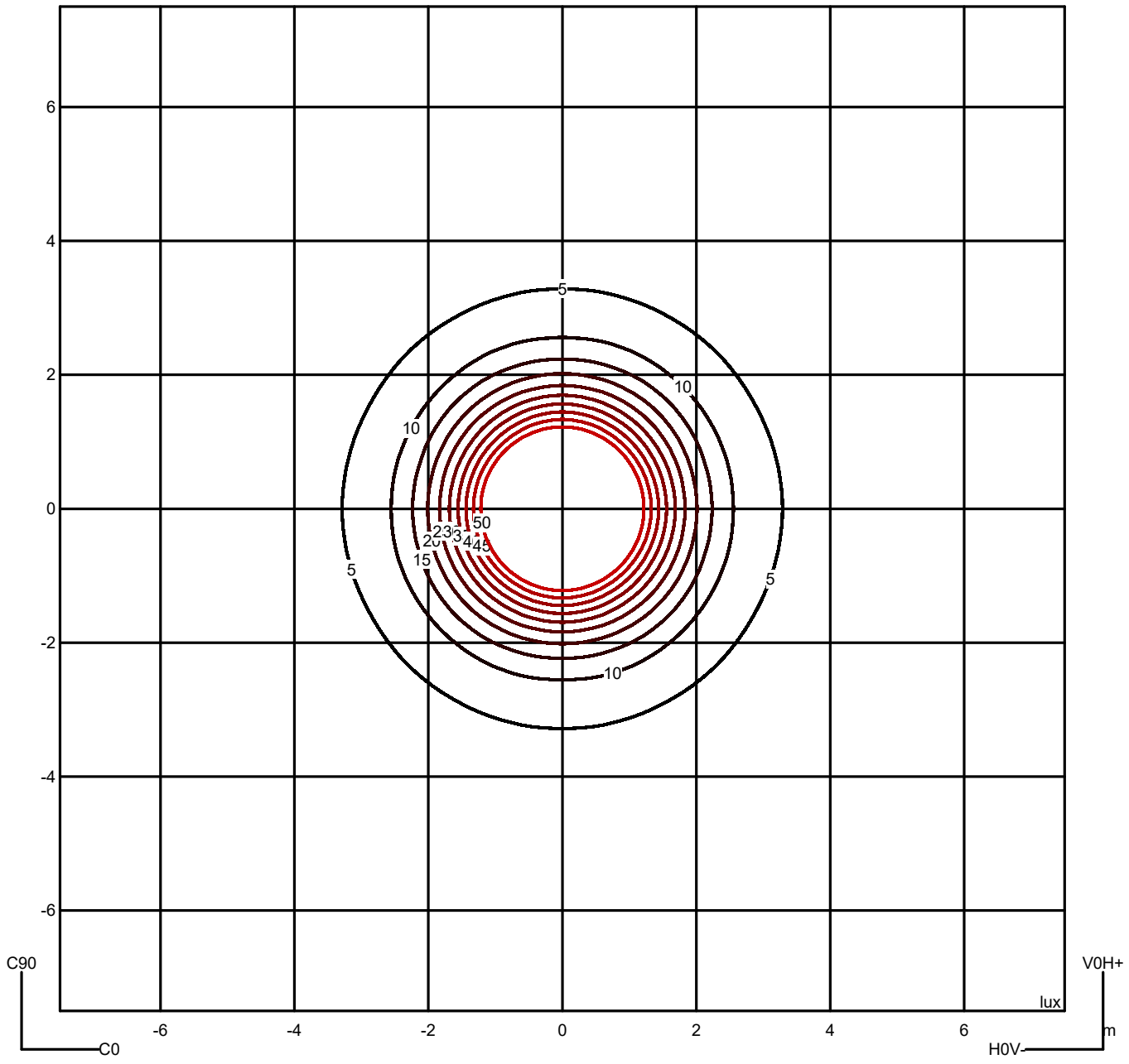
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.65	10.65	1.07 %	1.07 %
10°	31.66	42.31	3.17 %	4.23 %
15°	51.73	94.04	5.17 %	9.40 %
20°	70.09	164.13	7.01 %	16.41 %
25°	84.43	248.56	8.44 %	24.86 %
30°	91.02	339.57	9.10 %	33.96 %
35°	89.81	429.39	8.98 %	42.94 %
40°	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
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.453302	y =0.408299
CIE1960	u =0.259289	v =0.350322
CIE1976	u'=0.259289	v'=0.525483
D(u,v)	0.00027	

Color rendering index (CRI)
Color Rendering Components

CCT = [2776 K]*

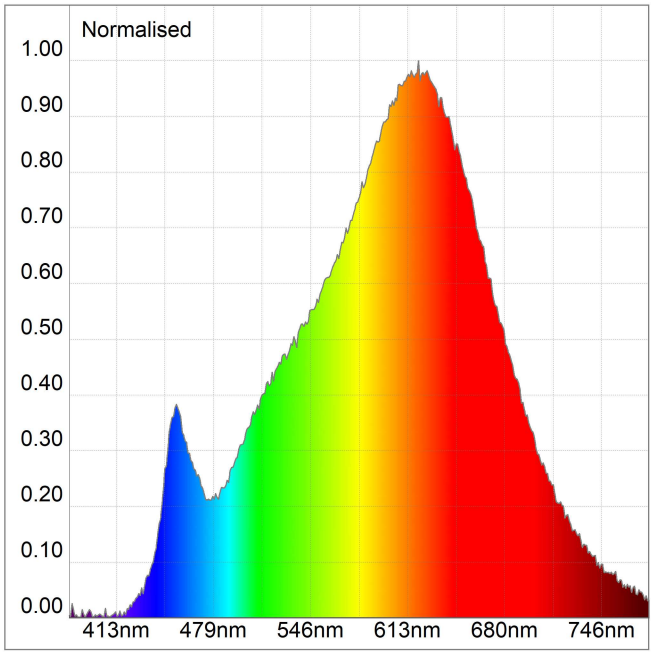
CRI8(Ra) [92.0]* CRI15(Rav) [89.3]*

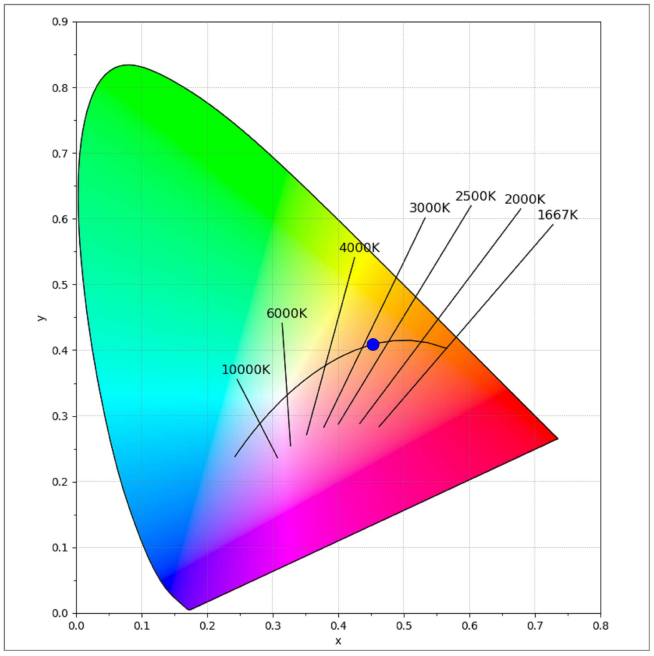
R 1: 92.1	R 2: 96.9	R 3: 98.3	R 4: 91.4	R 5: 92.1
R 6: 96.5	R 7: 90.1	R 8: 78.6	R 9: 54.1	R10: 92.2
R11: 92.4	R12: 83.6	R13: 93.5	R14: 99.7	R15: 87.5

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.004000	386.0	0.000925	392.0	0.005465
398.0	0.005200	404.0	0.000567	410.0	0.005200
416.0	0.003320	422.0	0.023300	428.0	0.043400
434.0	0.076300	440.0	0.125000	446.0	0.268000
452.0	0.361000	458.0	0.333000	464.0	0.282000
470.0	0.251000	476.0	0.213000	482.0	0.216000
488.0	0.237000	494.0	0.278000	500.0	0.312000
506.0	0.362000	512.0	0.393000	518.0	0.416000
524.0	0.452000	530.0	0.464000	536.0	0.497000
542.0	0.523000	548.0	0.553000	554.0	0.587000
560.0	0.614000	566.0	0.645000	572.0	0.690000
578.0	0.745000	584.0	0.778000	590.0	0.837000
596.0	0.883000	602.0	0.918000	608.0	0.958000
614.0	0.976000	620.0	0.978000	626.0	0.979000
632.0	0.953000	638.0	0.915000	644.0	0.873000
650.0	0.829000	656.0	0.767000	662.0	0.692000
668.0	0.632000	674.0	0.560000	680.0	0.516000
686.0	0.453000	692.0	0.385000	698.0	0.342000
704.0	0.293000	710.0	0.259000	716.0	0.208000
722.0	0.179000	728.0	0.157000	734.0	0.126000
740.0	0.114000	746.0	0.089200	752.0	0.081500
758.0	0.066800	764.0	0.052700	770.0	0.056600
776.0	0.040700				

Spectrum Graph

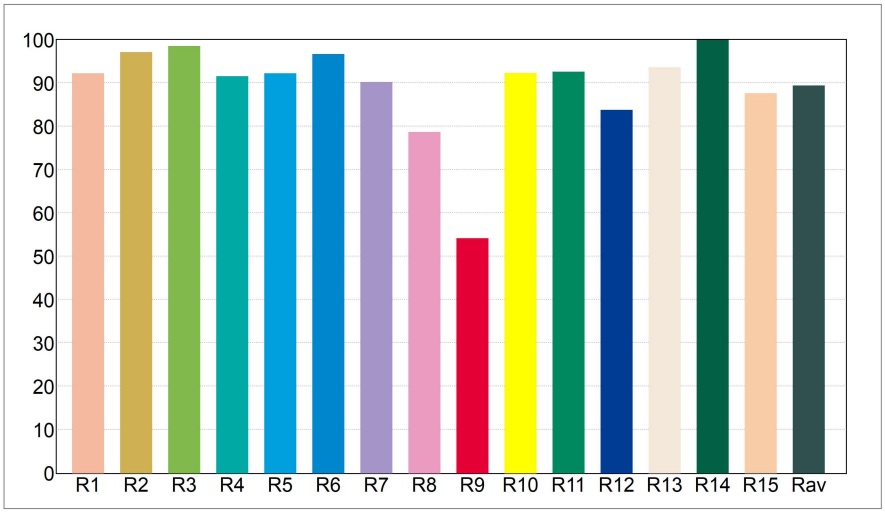


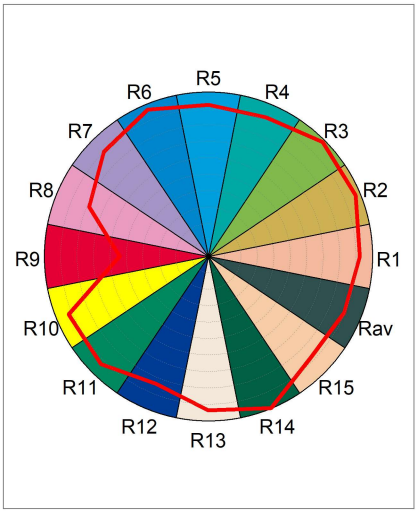


Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED
Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

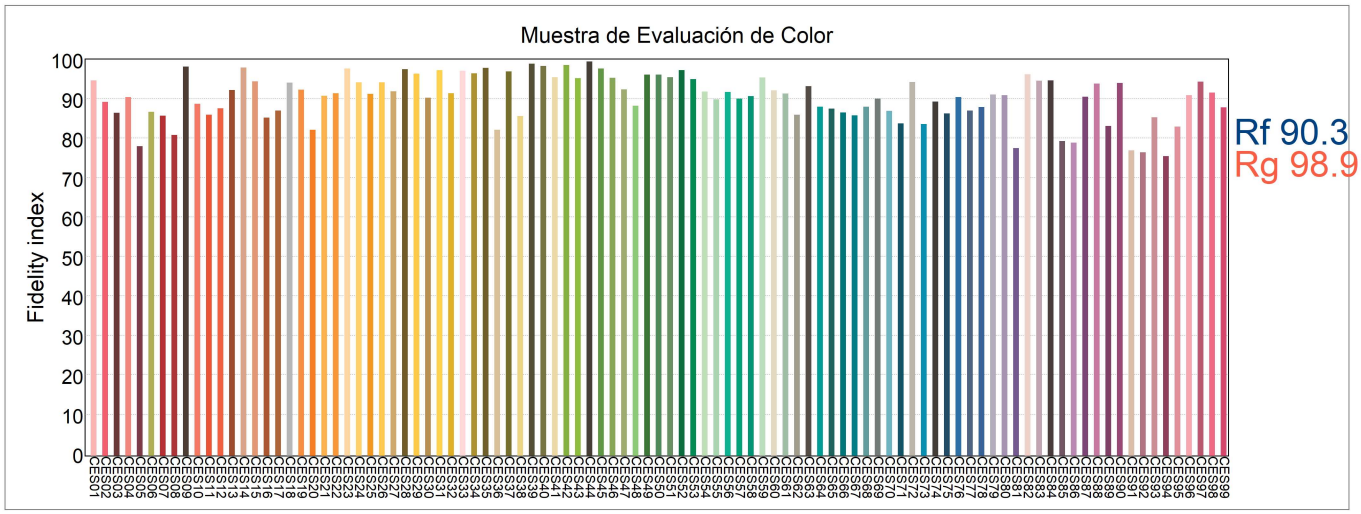
CRI Graphs



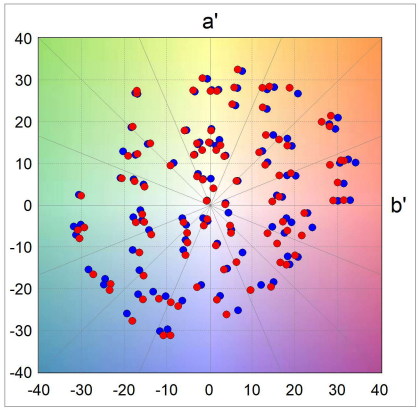


Luminaire
Code 30931309xxxU
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Measurem.
Code CL092A24D005VPE5
Name NANS_BAG_38_OUTDOOR_2700K_BROWN_RED

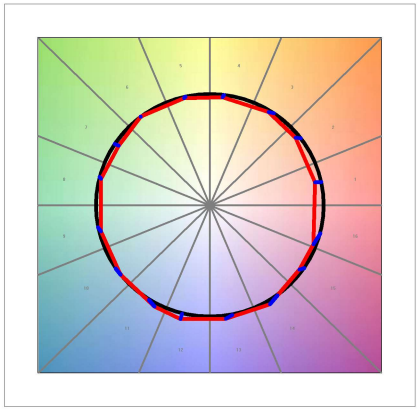
Luminaire Flux	1146 lm	Luminaire Power	18.6 W	Efficacy	61.620 lm/W	Efficiency	100.00%
Source Flux	1146 lm	Maximum value	511.19 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



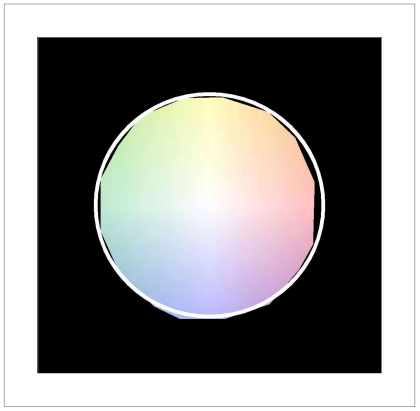
Chromatic Coordinates (a', b') 99 CES



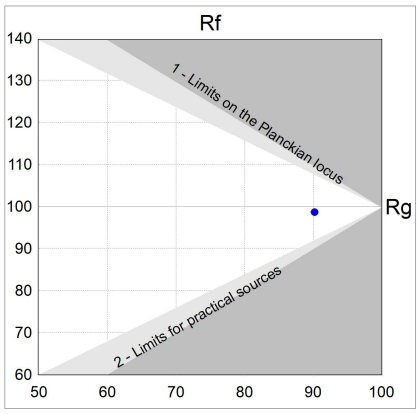
Color Vector Graphic



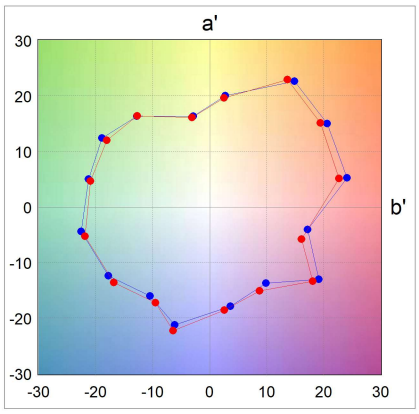
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

