Luminaire

Code	30931309xxxU
Name	NANS_BAG_38_OUTDOOR_2200K_BROWN_RED
Line	OxyTech

Measurem.

Code	CL092A24D005VPE3
Name	NANS_BAG_38_OUTDOOR_2200K_BROWN_RED

Source Data

Code	LED	Correlated Color Temperature (CCT)	2098K	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	997.7 lm
Maximum	446.01 cd/klm	Position	C=15.0° G=2.5°
Remarks	RM24070303		

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

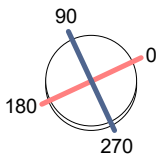
Round Luminaire	Diam.	600 mm	Height	330 mm	
Round Luminous Area	Diam.	300 mm	Height	0 mm	
Horizontal Luminous Area		0.070686 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at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

Photometric Assessment

Luminaire Flux	997.7 lm	Source Flux	997.7 lm
Efficacy	53.639 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

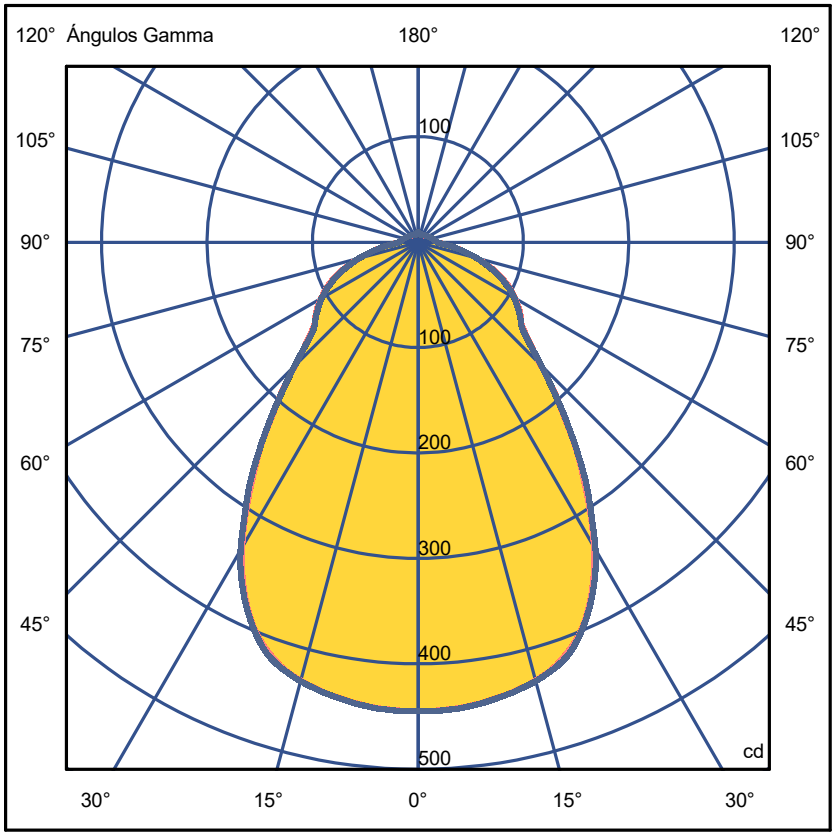


Diam=600mm





ULOR 7.21 %
DLOR 92.79 %
RN 7.21 %



Luminaire
Code 30931309xxxU
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Measurem.
Code CL092A24D005VPE3
Name NANS_BAG_38_OUTDOOR_2200K_BROWN_RED

Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

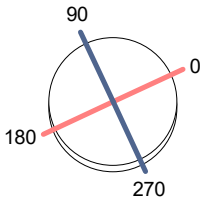
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	445	445	445	445	445	445	445
G 2.5	444	445	445	445	445	445	445
G 5.0	444	444	444	444	444	444	444
G 7.5	441	442	442	442	442	442	442
G 10.0	439	439	439	439	439	439	439
G 12.5	435	436	435	435	435	435	435
G 15.0	430	431	431	431	431	431	431
G 17.5	424	425	425	425	425	425	425
G 20.0	414	416	417	418	418	417	417
G 22.5	401	402	404	405	405	403	402
G 25.0	383	384	384	385	385	385	384
G 27.5	360	360	358	358	359	361	362
G 30.0	334	333	333	332	333	335	337
G 32.5	304	304	303	304	305	307	306
G 35.0	274	275	275	276	277	277	278
G 37.5	246	244	247	249	248	247	246
G 40.0	216	216	219	221	220	219	217
G 42.5	190	189	192	194	193	190	189
G 45.0	165	165	166	167	168	166	165
G 47.5	145	144	143	143	144	145	145
G 50.0	132	129	128	127	129	130	130
G 52.5	123	122	122	122	122	123	123
G 55.0	118	117	117	117	117	117	117
G 57.5	112	112	112	112	111	111	111
G 60.0	106	106	105	105	105	105	105
G 62.5	100	99	98	98	98	98	98
G 65.0	92	92	91	92	91	91	91
G 67.5	84	84	84	84	84	84	84
G 70.0	75	75	75	75	75	74	74
G 72.5	66	66	66	66	66	65	65
G 75.0	58	57	58	58	58	57	57
G 77.5	49	49	49	49	49	48	48
G 80.0	40	40	41	41	41	40	40
G 82.5	33	33	33	33	33	33	33
G 85.0	26	26	26	26	26	25	26
G 87.5	21	21	21	21	21	21	21
G 90.0	18	18	18	19	18	19	18
G 92.5	18	17	17	17	17	17	17
G 95.0	16	16	16	16	16	16	16
G 97.5	15	16	16	16	16	16	16
G100.0	15	15	16	16	16	15	15
G102.5	14	14	15	15	15	14	14
G105.0	14	14	14	15	14	14	14
G107.5	13	13	14	14	14	13	13
G110.0	13	13	13	14	13	12	13
G112.5	12	12	12	13	13	12	12
G115.0	12	12	12	12	12	11	12
G117.5	11	11	11	11	11	11	12
G120.0	11	11	10	11	10	11	11
G122.5	10	10	9	10	10	10	11
G125.0	10	10	9	9	9	10	10
G127.5	10	9	8	9	9	9	10
G130.0	9	9	8	8	9	9	9
G132.5	9	9	8	8	9	9	9
G135.0	9	9	9	8	9	9	9
G137.5	9	9	9	8	9	9	9
G140.0	9	9	8	8	8	9	9
G142.5	9	9	8	8	8	9	9
G145.0	9	8	8	8	8	9	9
G147.5	8	8	8	8	8	8	9
G150.0	8	8	8	8	8	8	9
G152.5	8	8	8	8	8	8	8
G155.0	8	8	8	8	8	8	8
G157.5	8	8	8	8	8	8	8
G160.0	8	8	8	8	8	8	8
G162.5	8	7	7	7	7	8	8
G165.0	7	7	7	7	7	7	7
G167.5	7	7	7	7	7	7	7
G170.0	8	8	8	8	8	8	8
G172.5	8	8	8	8	8	8	8
G175.0	9	9	9	8	9	9	9
G177.5	9	9	9	9	9	9	9
G180.0	10	10	10	10	10	10	10

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Measurem.
Code CL092A24D005VPE3
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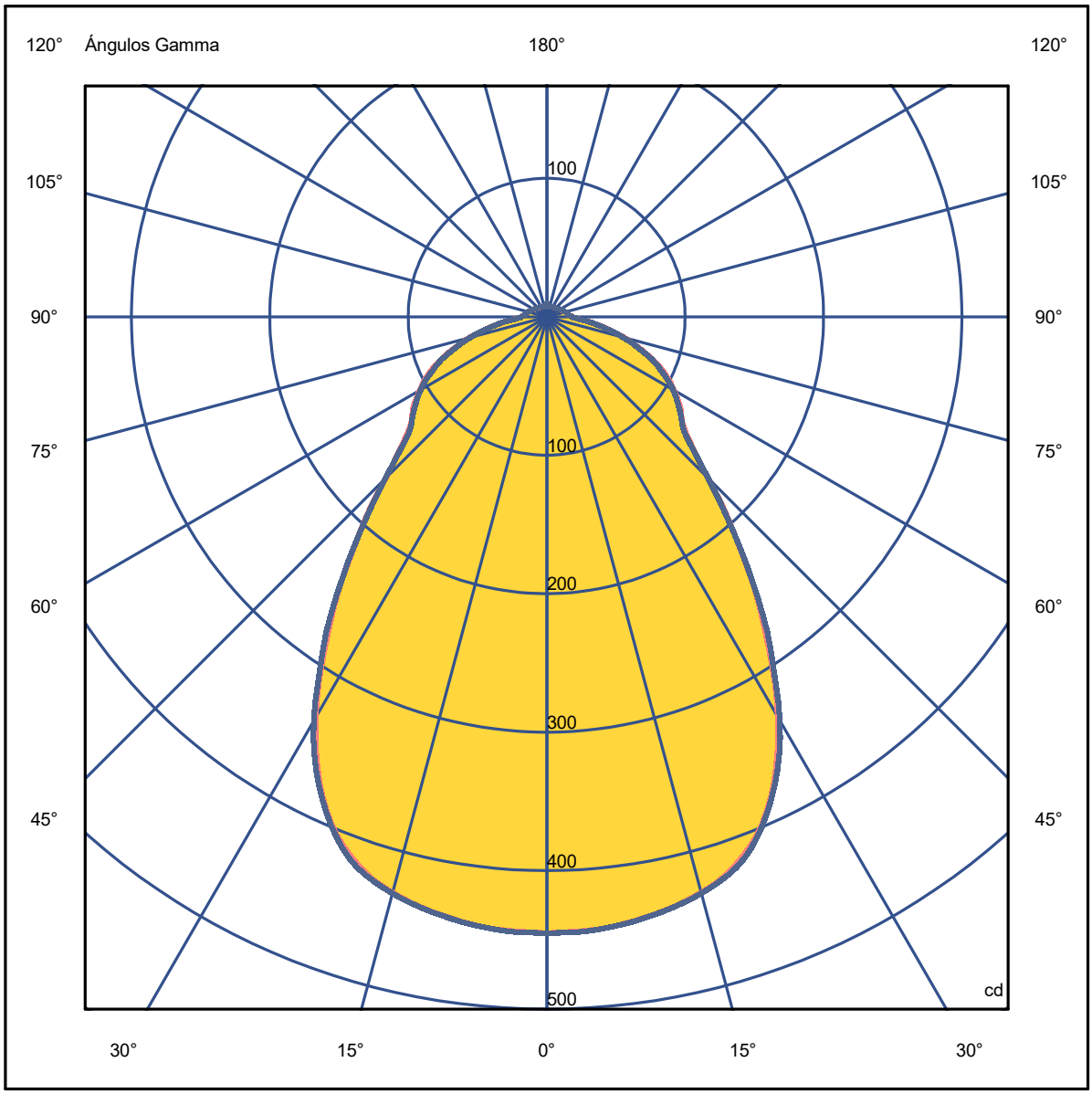
Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C

180.0 0.0
270.0 90.0



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Source Flux	998 lm	Maximum value	444.98 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	15.2	16.3	15.6	16.7	17.1	15.2	16.3	15.6	16.7	17.1
x=2H y=3H	17.1	18.1	17.5	18.5	18.9	17.0	18.0	17.5	18.4	18.8
x=2H y=4H	17.9	18.8	18.3	19.3	19.7	17.9	18.8	18.3	19.2	19.6
x=2H y=6H	18.6	19.5	19.1	19.9	20.4	18.6	19.5	19.0	19.9	20.3
x=2H y=8H	18.9	19.8	19.4	20.2	20.7	18.9	19.8	19.4	20.2	20.7
x=2H y=12H	19.3	20.1	19.7	20.5	21.0	19.2	20.0	19.7	20.5	21.0
x=4H y=2H	15.9	16.9	16.4	17.3	17.7	15.9	16.9	16.4	17.3	17.7
x=4H y=3H	18.0	18.8	18.5	19.2	19.7	18.0	18.8	18.4	19.2	19.7
x=4H y=4H	19.0	19.7	19.5	20.2	20.7	18.9	19.7	19.4	20.1	20.6
x=4H y=6H	19.8	20.5	20.4	21.0	21.5	19.8	20.4	20.3	20.9	21.5
x=4H y=8H	20.3	20.8	20.8	21.4	21.9	20.2	20.8	20.8	21.3	21.9
x=4H y=12H	20.7	21.2	21.2	21.7	22.3	20.6	21.1	21.2	21.7	22.2
x=8H y=4H	19.4	19.9	19.9	20.5	21.0	19.3	19.9	19.9	20.4	21.0
x=8H y=6H	20.4	20.9	21.0	21.5	22.0	20.4	20.9	21.0	21.4	22.0
x=8H y=8H	21.0	21.4	21.6	22.0	22.6	20.9	21.4	21.5	21.9	22.6
x=8H y=12H	21.5	21.9	22.1	22.5	23.1	21.5	21.8	22.1	22.4	23.1
x=12H y=4H	19.4	19.9	20.0	20.5	21.0	19.4	19.9	19.9	20.4	21.0
x=12H y=6H	20.6	21.0	21.1	21.5	22.2	20.5	20.9	21.1	21.5	22.1
x=12H y=8H	21.2	21.5	21.8	22.1	22.7	21.1	21.5	21.7	22.1	22.7

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Measurem.
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Name NANS_BAG_38_OUTDOOR_2200K_BROWN_RED

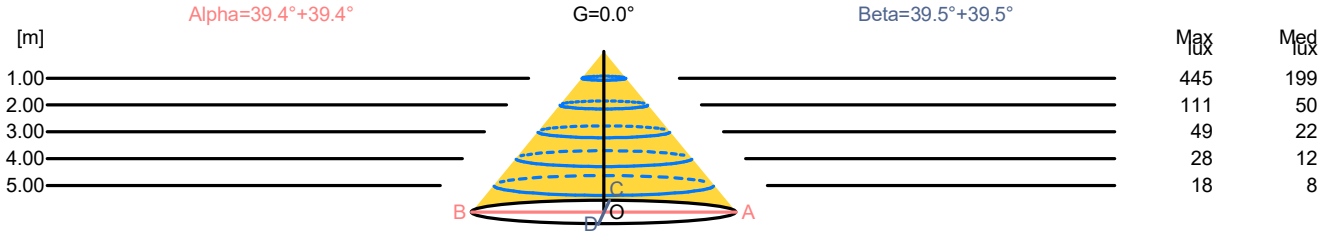
Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

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	444.96	443.64	430.46	382.79	274.01	164.66	118.36	92.49	57.51	26.05
OB	444.96	443.64	430.46	382.79	274.01	164.66	118.36	92.49	57.51	26.05
OC	444.96	443.83	431.09	384.07	277.60	164.95	117.16	90.55	57.01	25.65
OD	444.96	443.83	431.09	384.07	277.60	164.95	117.16	90.55	57.01	25.65



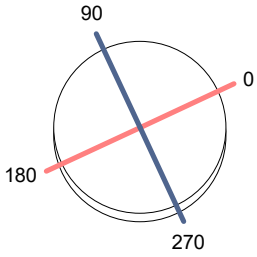
H[m]	D[m]	Max lux	Med lux	Alpha=39.4°+39.4° G=0.0
1.00	1.64	445	199	
2.00	3.29	111	50	
3.00	4.93	49	22	
4.00	6.58	28	12	
5.00	8.22	18	8	

H[m]	D[m]	Max lux	Med lux	Beta=39.5°+39.5° G=0.0
1.00	1.65	445	199	
2.00	3.30	111	50	
3.00	4.95	49	22	
4.00	6.60	28	12	
5.00	8.25	18	8	

Luminaire
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Code CL092A24D005VPE3
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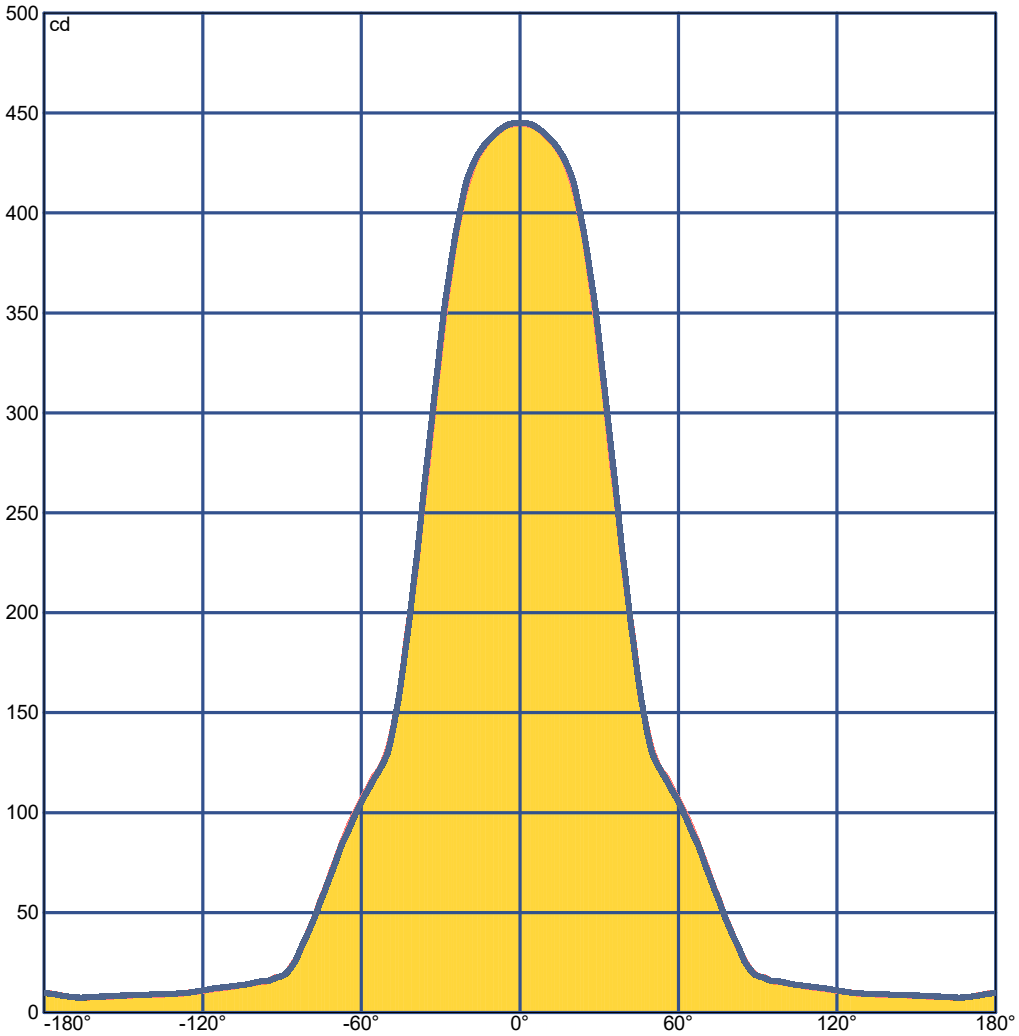
Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=600mm



Semiplanos C





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Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=997.69 Flujo Luminaria=997.69

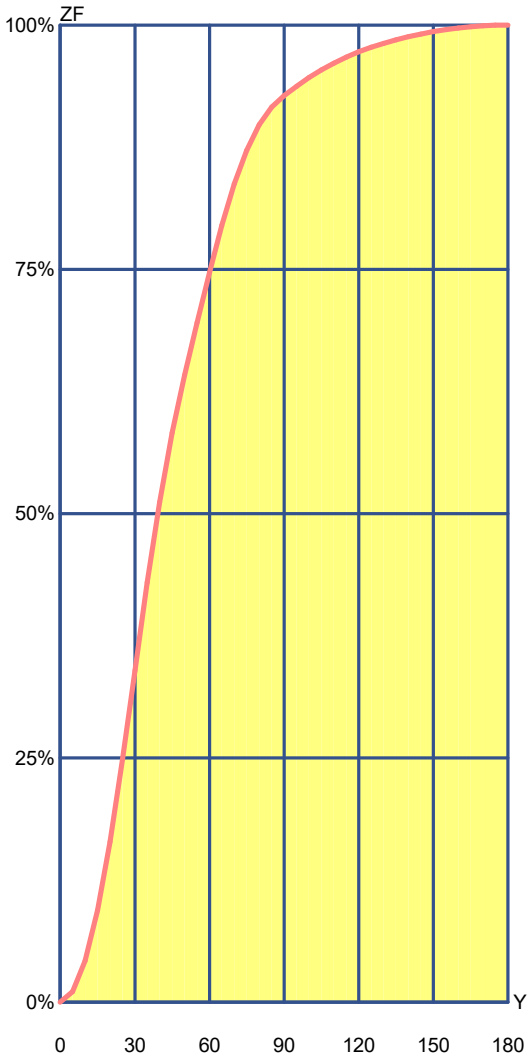
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.40	0.47	0.53	0.59	0.64	0.72	0.77	0.80	0.85	0.87	0.94	0.97
RC	3	4	4	4	4	4	4	4	4	4	4	3

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 %



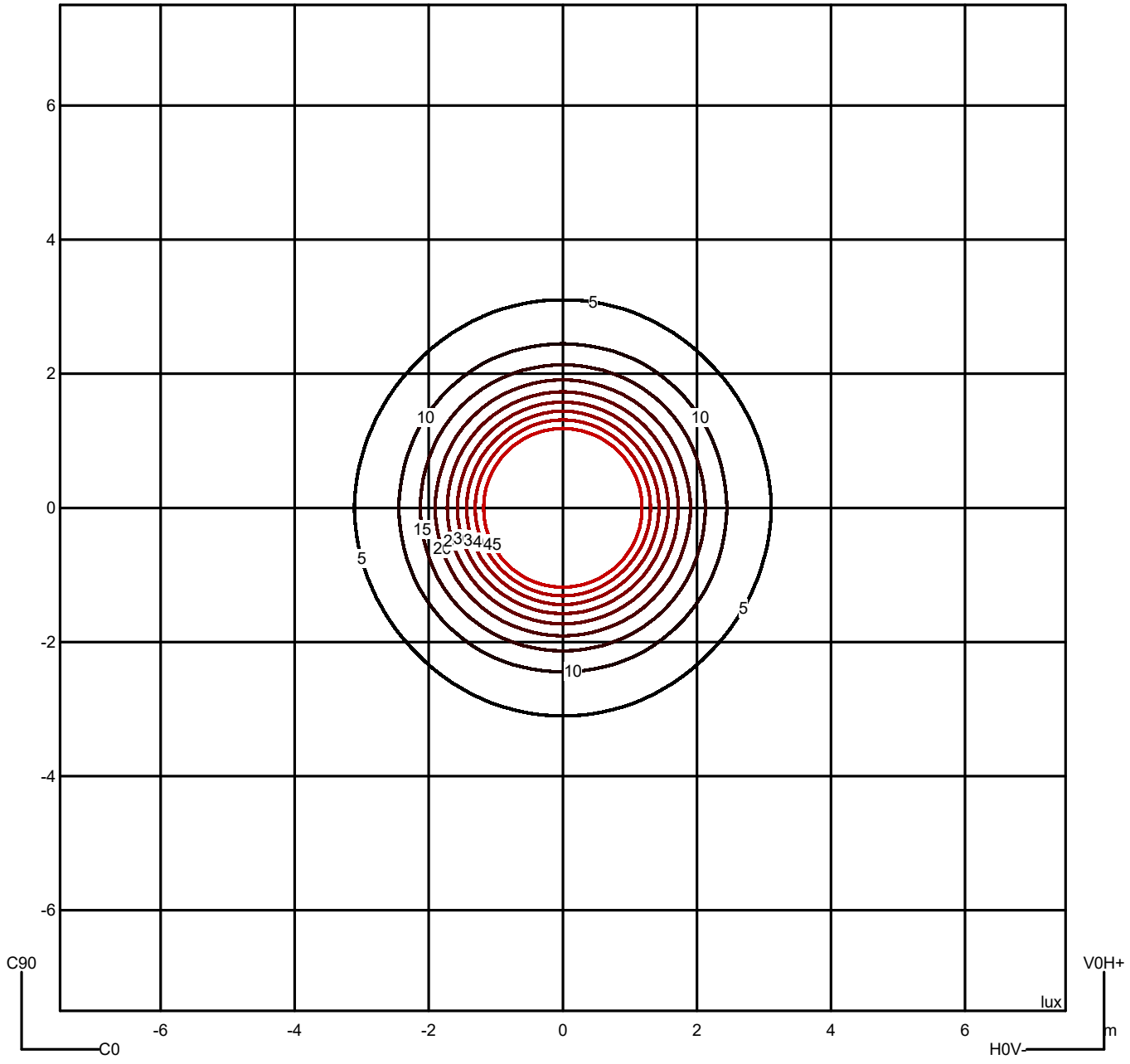
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.65	10.65	1.07 %	1.07 %
10°	31.66	42.31	3.17 %	4.23 %
15°	51.73	94.04	5.17 %	9.40 %
20°	70.09	164.13	7.01 %	16.41 %
25°	84.43	248.56	8.44 %	24.86 %
30°	91.02	339.57	9.10 %	33.96 %
35°	89.81	429.39	8.98 %	42.94 %
40°	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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Source Flux	998 lm	Maximum value	444.98 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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Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.515804	y =0.414014	Color rendering index (CRI)
CIE1960	u =0.297441	v =0.358115	Color Rendering Components
CIE1976	u'=0.297441	v'=0.537172	
D(u,v)	0.00018		

CCT = [2098 K]*

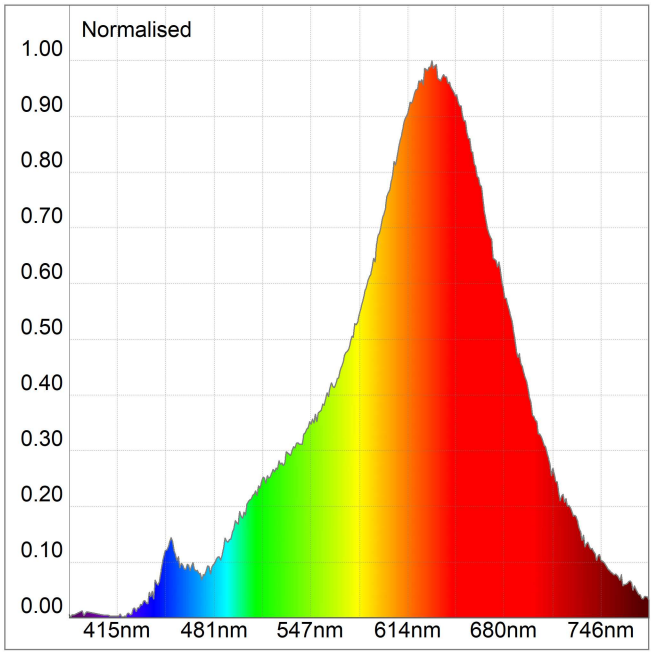
CRI8(Ra) [94.4]* CRI15(Rav) [93.0]*

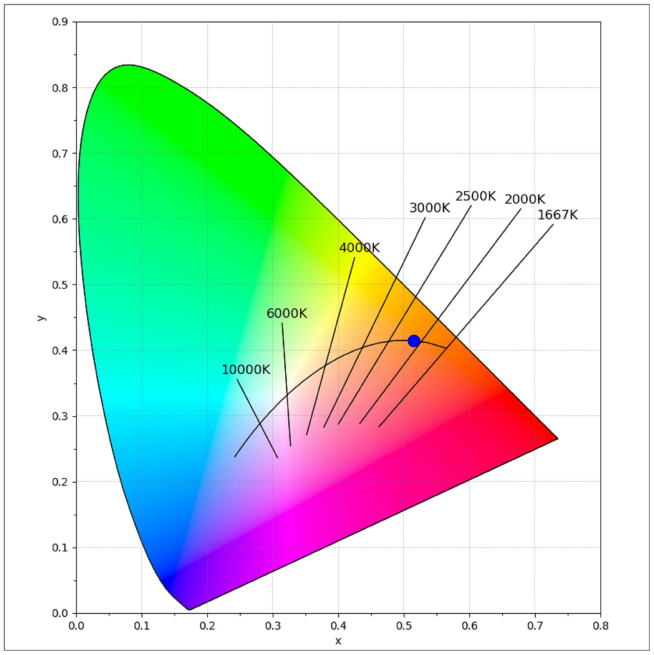
R 1: 96.8	R 2: 99.5	R 3: 97.0	R 4: 98.0	R 5: 98.5
R 6: 93.7	R 7: 90.1	R 8: 81.8	R 9: 64.6	R10: 99.2
R11: 96.2	R12: 90.9	R13: 98.3	R14: 99.1	R15: 90.5

Spectral Distribution

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				

Spectrum Graph

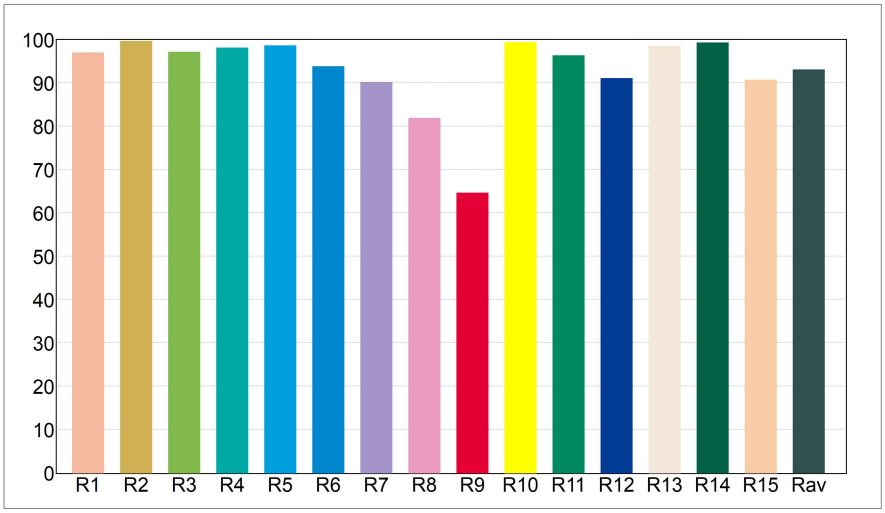


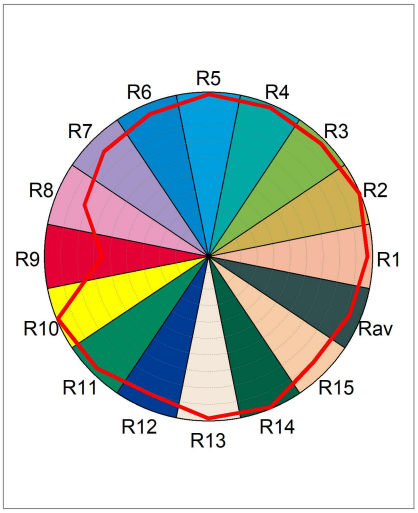


Luminaire
Code 30931309xxxU
Name NANS_BAG_38_OUTDOOR_2200K_BROWN_RED
Measurem.
Code CL092A24D005VPE3
Name NANS_BAG_38_OUTDOOR_2200K_BROWN_RED

Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

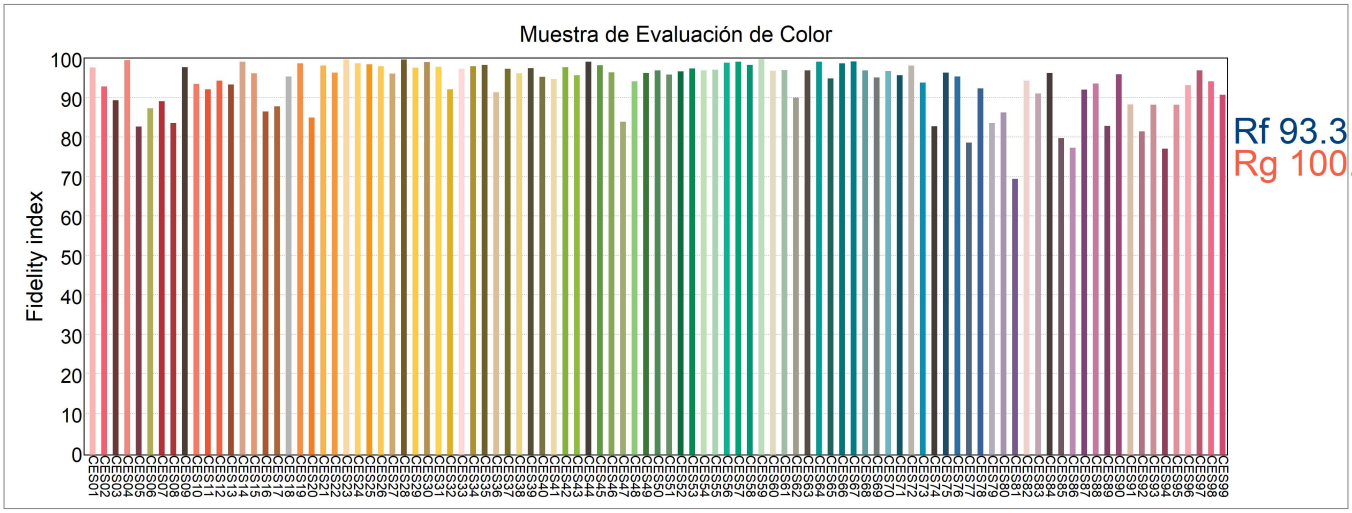
CRI Graphs



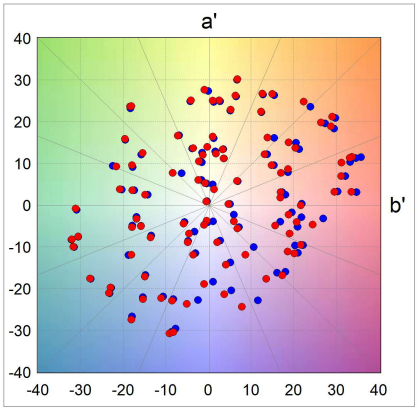


Luminaire
Code 30931309xxxU
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Measurem.
Code CL092A24D005VPE3
Name NANS_BAG_38_OUTDOOR_2200K_BROWN_RED

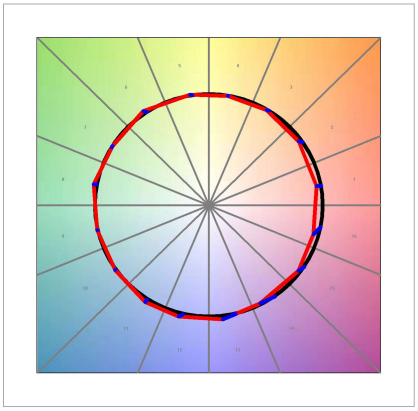
Luminaire Flux	998 lm	Luminaire Power	18.6 W	Efficacy	53.639 lm/W	Efficiency	100.00%
Source Flux	998 lm	Maximum value	444.98 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



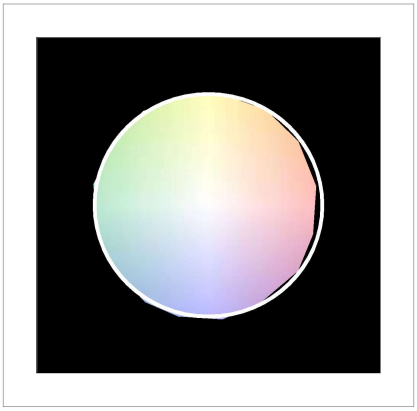
Chromatic Coordinates (a', b') 99 CES



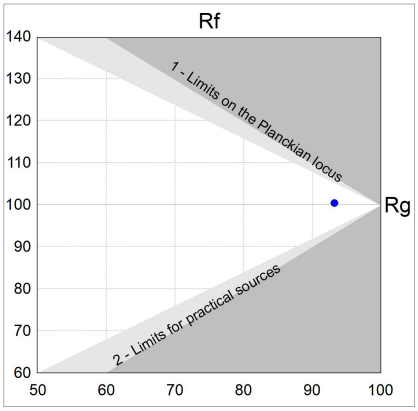
Color Vector Graphic



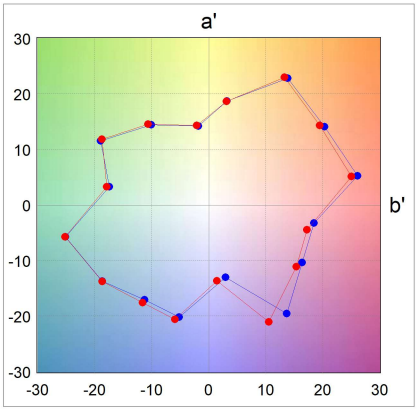
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

