Luminaire

Code	30909324xxx
Name	Nans Portable M/49/R Outdoor
Line	OxyTech

Measurem.

Code	CL092A24D009VP
Name	Nans Portable M/49/R Outdoor

Source Data

Code	SPMWH1228MD7WAWUVK	Correlated Color Temperature (CCT)	2659K	Q.ty	1
Name	SAMSUNG LM281B+Pro	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	25-07-2024	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	163.0 lm
Maximum	563.18 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM24070804		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	0.00 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

Temperature	25.1 °C	Air Speed	0.0 m/s
Humidity	55.8 %		

Luminaire Dimensions

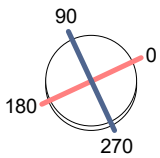
Round Luminaire	Diam.	260 mm	Height	90 mm	
Round Luminous Area	Diam.	110 mm	Height	30 mm	
Horizontal Luminous Area		0.009503 m2	Emitting area on Plane 180°		0.003300 m2
Emitting area on Plane 0°		0.003300 m2	Emitting area on Plane 270°		0.003300 m2
Emitting area on Plane 90°		0.003300 m2	Glare area at 76°		0.005501 m2

Photometric Assessment

Luminaire Flux	163.0 lm	Source Flux	163.0 lm
Efficacy	0.000 lm/W	Efficiency	100.0 %
CIE Flux Codes	45 70 88 87 100	D DIN 5040	B31
F UTE	0.87 E + 0.13 T	B NBN	BZ 5

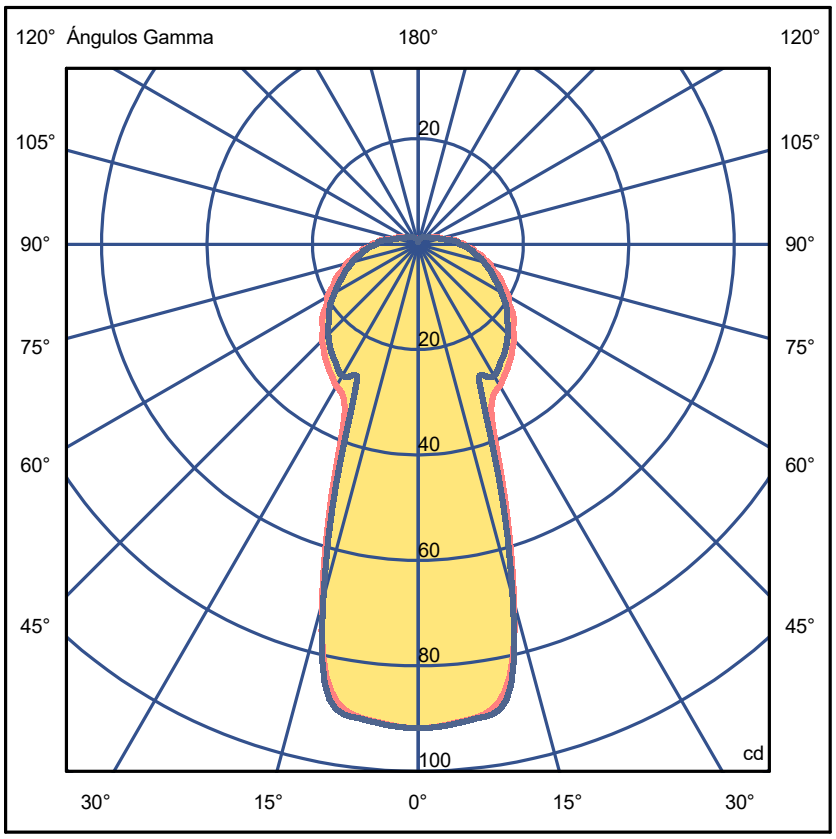


Diam=260mm





ULOR 12.92 %
DLOR 87.08 %
RN 12.92 %



Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

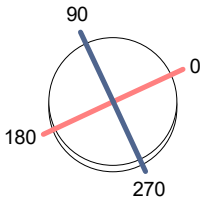
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	92	92	92	92	92	92	92
G 2.5	92	92	92	92	92	92	92
G 5.0	91	91	91	91	91	91	91
G 7.5	90	90	90	90	90	91	91
G 10.0	88	89	89	90	90	90	90
G 12.5	82	83	84	84	84	83	83
G 15.0	71	72	72	71	71	70	69
G 17.5	58	59	58	58	57	56	55
G 20.0	46	47	46	45	44	43	42
G 22.5	37	37	37	36	34	33	32
G 25.0	33	33	32	31	29	28	28
G 27.5	32	32	32	31	30	29	28
G 30.0	31	31	31	31	30	29	29
G 32.5	30	30	31	30	30	29	28
G 35.0	29	30	30	29	29	28	27
G 37.5	28	29	29	29	28	27	27
G 40.0	28	28	28	28	27	26	26
G 42.5	27	27	27	27	26	25	25
G 45.0	26	26	26	26	25	24	24
G 47.5	25	25	25	25	24	23	23
G 50.0	24	24	24	24	23	22	22
G 52.5	23	23	23	23	22	22	21
G 55.0	22	22	22	22	21	21	20
G 57.5	20	21	21	20	20	20	19
G 60.0	20	20	20	19	19	18	18
G 62.5	19	19	18	18	18	17	17
G 65.0	18	18	17	17	17	16	16
G 67.5	17	17	17	16	16	16	15
G 70.0	16	16	16	15	15	15	15
G 72.5	15	15	15	14	14	14	14
G 75.0	14	14	14	13	13	13	13
G 77.5	13	13	13	13	13	12	12
G 80.0	12	12	12	12	11	11	11
G 82.5	11	11	11	11	11	11	11
G 85.0	10	10	10	10	10	10	10
G 87.5	9	9	9	9	9	9	9
G 90.0	9	9	8	8	8	8	8
G 92.5	8	8	8	8	8	8	8
G 95.0	7	7	7	7	7	7	7
G 97.5	6	6	6	6	6	6	6
G100.0	6	6	6	5	5	5	5
G102.5	5	5	5	5	5	5	4
G105.0	5	4	4	4	4	4	4
G107.5	4	4	4	4	4	4	4
G110.0	4	4	4	4	4	4	4
G112.5	3	3	3	3	3	3	3
G115.0	3	3	3	3	3	3	3
G117.5	3	3	3	3	3	3	3
G120.0	3	3	3	3	3	3	3
G122.5	3	3	2	2	2	2	2
G125.0	2	2	2	2	2	2	2
G127.5	2	2	2	2	2	2	2
G130.0	2	2	2	2	2	2	2
G132.5	2	2	2	2	2	2	2
G135.0	2	2	2	2	2	2	2
G137.5	2	2	2	2	2	2	2
G140.0	2	2	2	2	2	2	2
G142.5	2	2	2	2	2	2	2
G145.0	2	2	2	2	2	2	2
G147.5	2	2	2	2	2	2	2
G150.0	1	1	1	1	1	1	1
G152.5	1	1	1	1	1	1	1
G155.0	1	1	1	1	1	1	1
G157.5	1	1	1	1	1	1	1
G160.0	1	1	1	1	1	1	1
G162.5	1	1	1	1	1	1	1
G165.0	1	1	1	1	1	1	1
G167.5	1	1	1	1	1	1	1
G170.0	1	1	1	1	1	1	1
G172.5	1	1	1	1	1	1	1
G175.0	1	1	1	0	0	1	1
G177.5	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

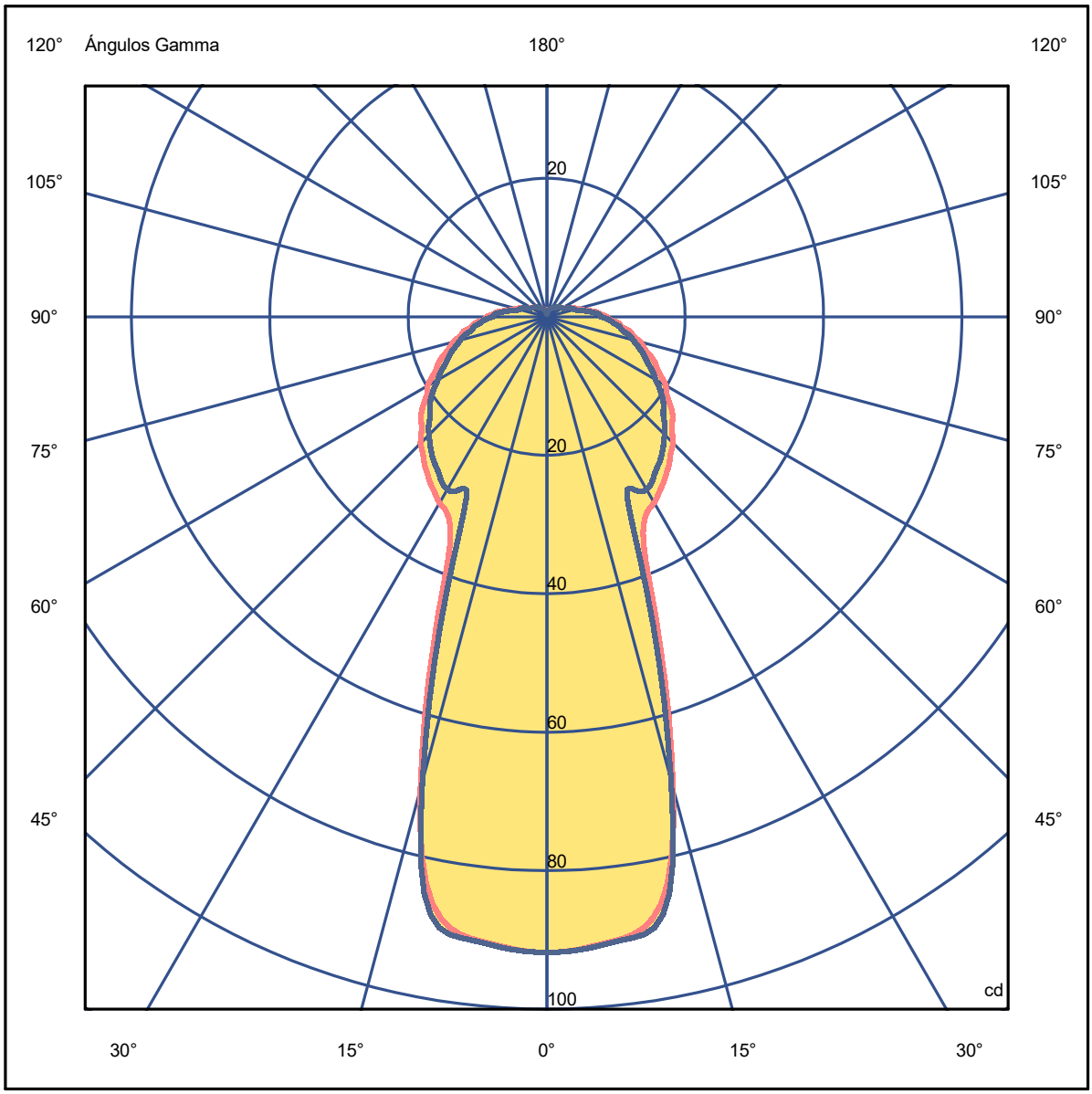
Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=260mm



Semiplanos C





Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	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	14.8	16.0	15.3	16.4	16.9	14.4	15.6	14.9	16.1	16.6
x=2H y=3H	16.7	17.8	17.2	18.3	18.8	16.3	17.4	16.8	17.9	18.4
x=2H y=4H	17.7	18.7	18.2	19.2	19.8	17.2	18.3	17.8	18.8	19.3
x=2H y=6H	18.6	19.6	19.1	20.1	20.7	18.1	19.1	18.7	19.6	20.2
x=2H y=8H	19.0	20.0	19.6	20.5	21.1	18.6	19.5	19.1	20.1	20.6
x=2H y=12H	19.5	20.4	20.0	20.9	21.5	19.0	19.9	19.6	20.4	21.1
x=4H y=2H	15.5	16.5	16.0	17.0	17.6	15.2	16.2	15.7	16.7	17.3
x=4H y=3H	17.6	18.5	18.2	19.1	19.7	17.3	18.2	17.8	18.7	19.3
x=4H y=4H	18.7	19.6	19.3	20.1	20.8	18.4	19.2	19.0	19.8	20.4
x=4H y=6H	19.9	20.6	20.5	21.2	21.8	19.5	20.2	20.1	20.8	21.4
x=4H y=8H	20.4	21.0	21.0	21.6	22.3	20.0	20.6	20.6	21.2	21.9
x=4H y=12H	20.9	21.5	21.5	22.1	22.8	20.5	21.1	21.1	21.7	22.4
x=8H y=4H	19.2	19.8	19.8	20.4	21.1	18.9	19.5	19.5	20.1	20.8
x=8H y=6H	20.5	21.1	21.2	21.7	22.4	20.1	20.7	20.8	21.3	22.1
x=8H y=8H	21.2	21.7	21.8	22.3	23.1	20.8	21.3	21.5	22.0	22.7
x=8H y=12H	21.9	22.3	22.5	23.0	23.7	21.5	21.9	22.2	22.6	23.4
x=12H y=4H	19.2	19.8	19.9	20.5	21.2	18.9	19.6	19.6	20.2	20.9
x=12H y=6H	20.7	21.2	21.3	21.8	22.5	20.3	20.8	21.0	21.5	22.2
x=12H y=8H	21.4	21.8	22.1	22.5	23.3	21.1	21.5	21.8	22.2	23.0

Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

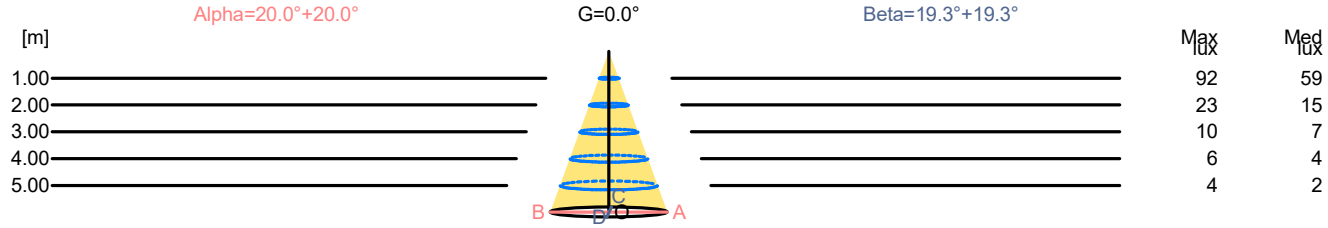
Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.36	0.73	1.09	1.46	1.82	OC	0.35	0.70	1.05	1.40	1.75
OB	0.36	0.73	1.09	1.46	1.82	OD	0.35	0.70	1.05	1.40	1.75

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	91.82	90.91	70.57	33.12	29.33	25.82	21.62	17.59	14.03	10.49
OB	91.82	90.91	70.57	33.12	29.33	25.82	21.62	17.59	14.03	10.49
OC	91.82	91.09	69.35	27.55	27.31	24.05	20.42	16.24	12.93	9.58
OD	91.82	91.09	69.35	27.55	27.31	24.05	20.42	16.24	12.93	9.58



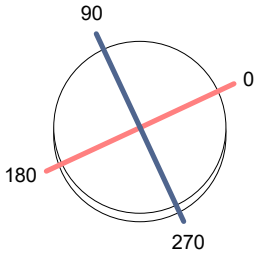
H[m]	D[m]	Max lux	Med lux	Alpha=20.0°+20.0° G=0.0
1.00	0.73	92	59	
2.00	1.46	23	15	
3.00	2.18	10	7	
4.00	2.91	6	4	
5.00	3.64	4	2	

H[m]	D[m]	Max lux	Med lux	Beta=19.3°+19.3° G=0.0
1.00	0.70	92	59	
2.00	1.40	23	15	
3.00	2.10	10	7	
4.00	2.80	6	4	
5.00	3.49	4	2	

Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

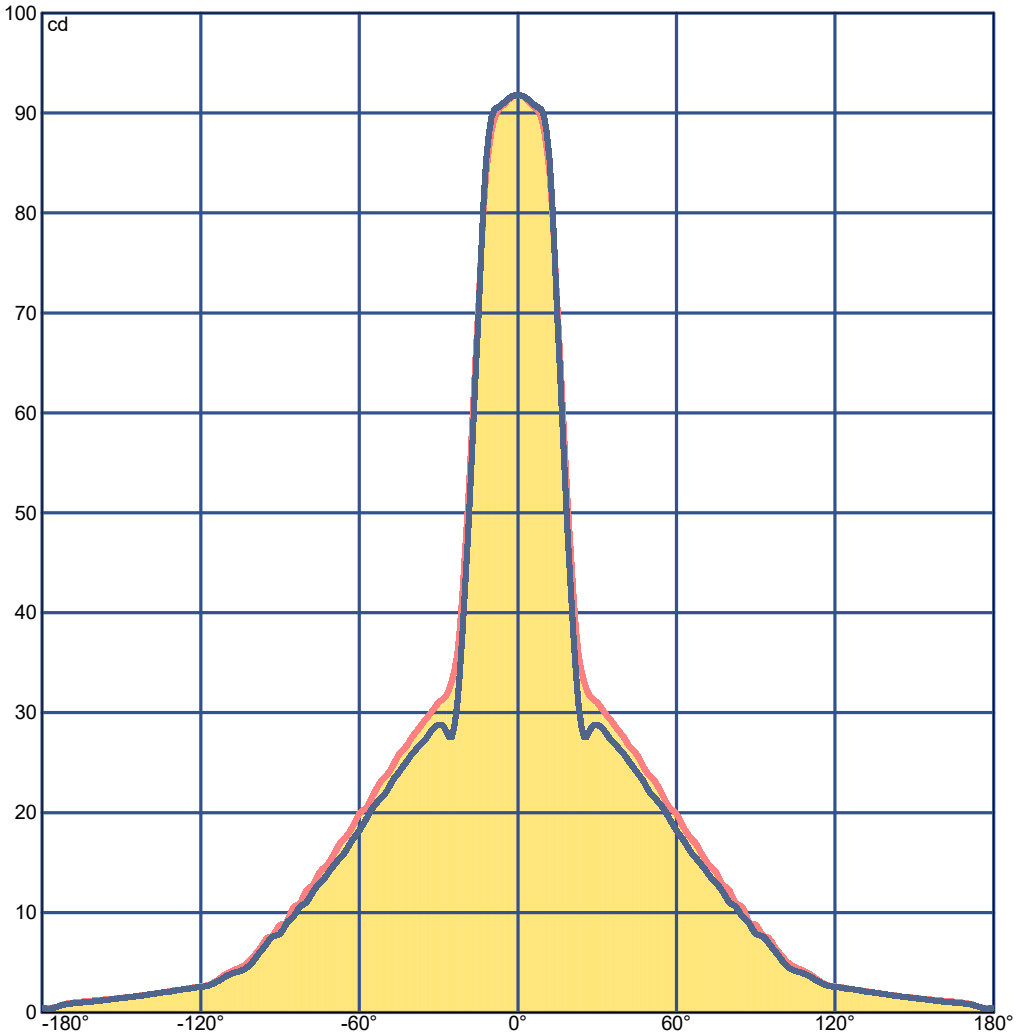
Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=260mm



Semiplanos C





Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=163.04 Flujo Luminaria=163.04

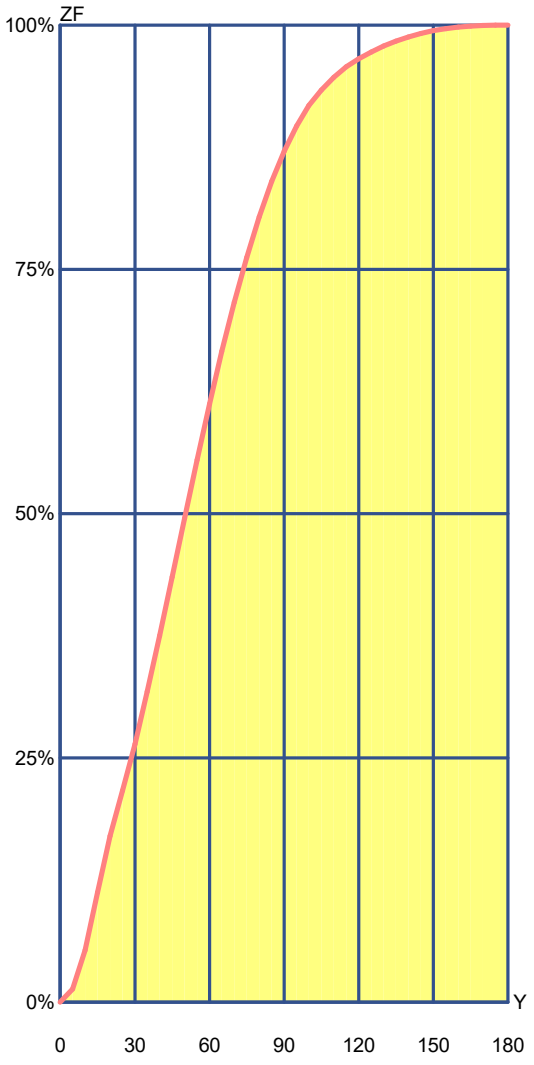
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.30	0.37	0.43	0.50	0.55	0.63	0.68	0.72	0.77	0.81	0.89	0.94
RC	5	5	6	6	6	6	6	6	6	7	7	7

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)	53	170	264	375	495	612	716	804	871	918	947	965	978	988	994	998	1000	1000

Códigos de Flujo C.I.E.
45 70 88 87 100

C.I.E.	5/5/6/6/6/6/6/6/7/7/7	LOR	100.00000 %
D DIN 5040	B31	ULOR	12.92460 %
F UTE	0.87 E + 0.13 T	DLOR	87.07540 %
B NBN	BZ 5	UFF	12.92460 %
RN	12.92460 %	DFF	87.07540 %
BLF	1.0	FFR	14.84300 %



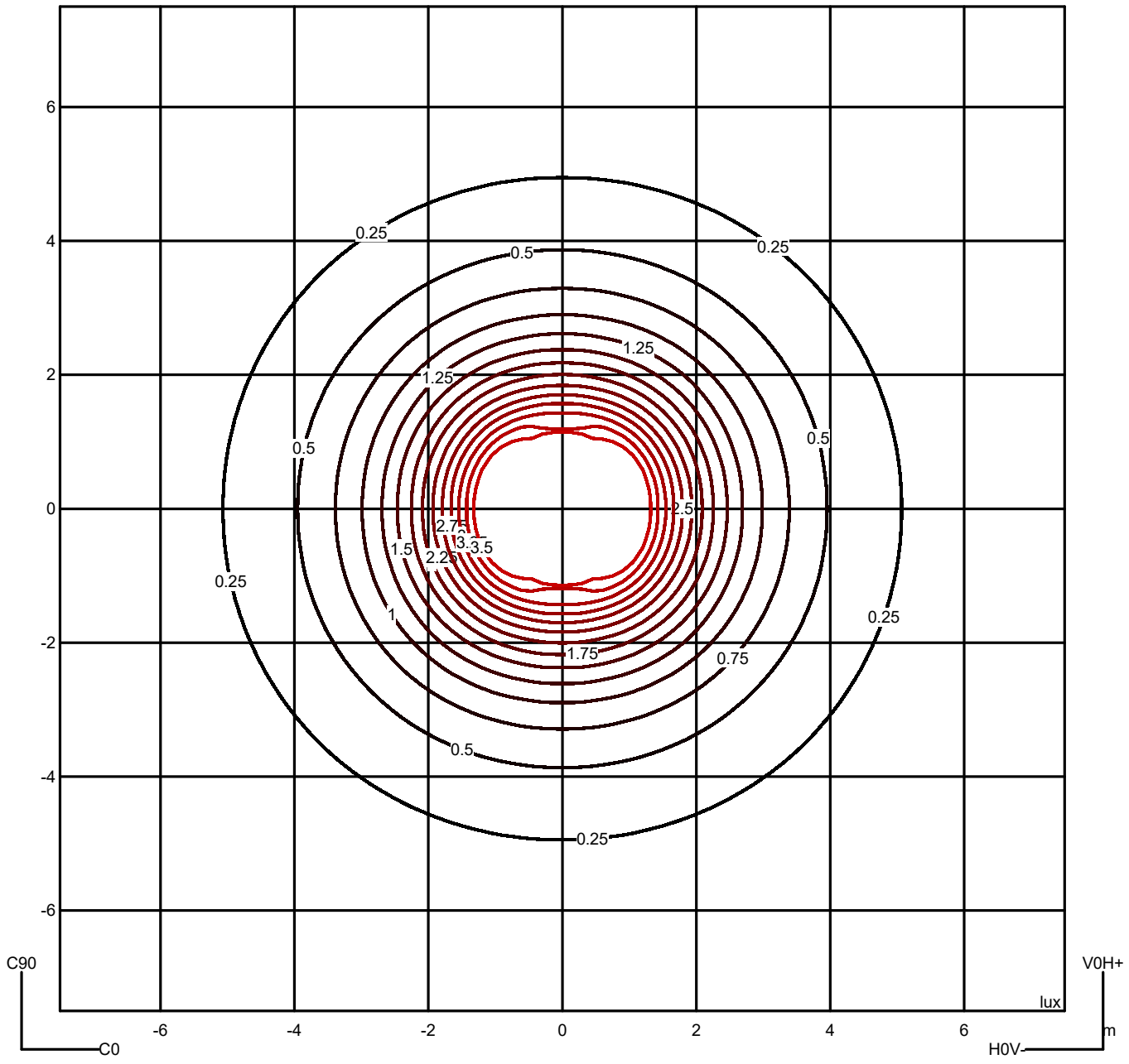
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	13.40	13.40	1.34 %	1.34 %
10°	39.58	52.98	3.96 %	5.30 %
15°	59.25	112.24	5.93 %	11.22 %
20°	57.78	170.01	5.78 %	17.00 %
25°	46.65	216.66	4.66 %	21.67 %
30°	47.52	264.18	4.75 %	26.42 %
35°	53.66	317.84	5.37 %	31.78 %
40°	57.41	375.25	5.74 %	37.52 %
45°	59.69	434.94	5.97 %	43.49 %
50°	60.28	495.22	6.03 %	49.52 %
55°	59.62	554.84	5.96 %	55.48 %
60°	57.35	612.18	5.73 %	61.22 %
65°	53.91	666.10	5.39 %	66.61 %
70°	50.14	716.23	5.01 %	71.62 %
75°	45.87	762.10	4.59 %	76.21 %
80°	41.40	803.51	4.14 %	80.35 %
85°	36.40	839.91	3.64 %	83.99 %
90°	30.85	870.75	3.08 %	87.08 %
95°	26.12	896.87	2.61 %	89.69 %
100°	20.89	917.76	2.09 %	91.78 %
105°	15.75	933.51	1.58 %	93.35 %
110°	13.15	946.66	1.31 %	94.67 %
115°	10.58	957.23	1.06 %	95.72 %
120°	8.17	965.40	0.82 %	96.54 %
125°	7.00	972.40	0.70 %	97.24 %
130°	6.06	978.46	0.61 %	97.85 %
135°	5.15	983.61	0.52 %	98.36 %
140°	4.30	987.92	0.43 %	98.79 %
145°	3.52	991.44	0.35 %	99.14 %
150°	2.79	994.23	0.28 %	99.42 %
155°	2.11	996.34	0.21 %	99.63 %
160°	1.53	997.87	0.15 %	99.79 %
165°	1.07	998.94	0.11 %	99.89 %
170°	0.68	999.62	0.07 %	99.96 %
175°	0.31	999.94	0.03 %	99.99 %
180°	0.06	1000.00	0.01 %	100.00 %

Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.461132	y =0.407564
CIE1960	u =0.264695	v =0.350920
CIE1976	u'=0.264695	v'=0.526379
D(u,v)	0.00122	

Color rendering index (CRI)
Color Rendering Components

CCT = [2659 K]*

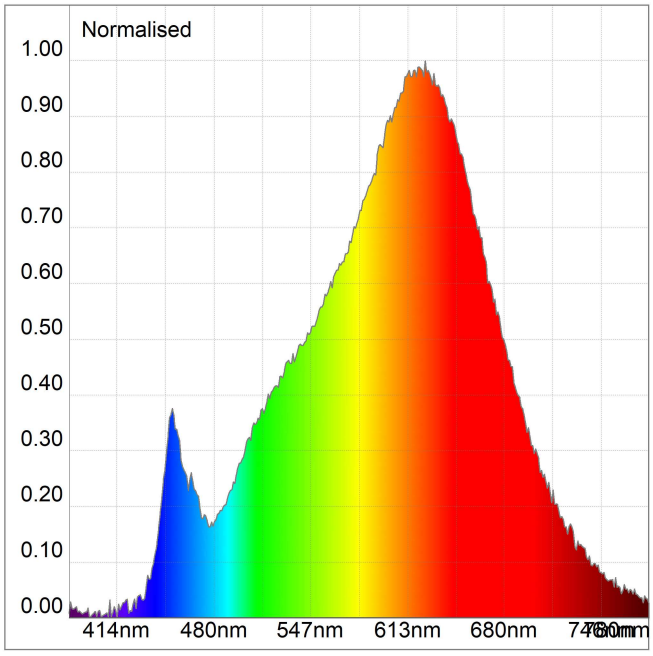
CRI8(Ra) [92.5]* CRI15(Rav) [90.0]*

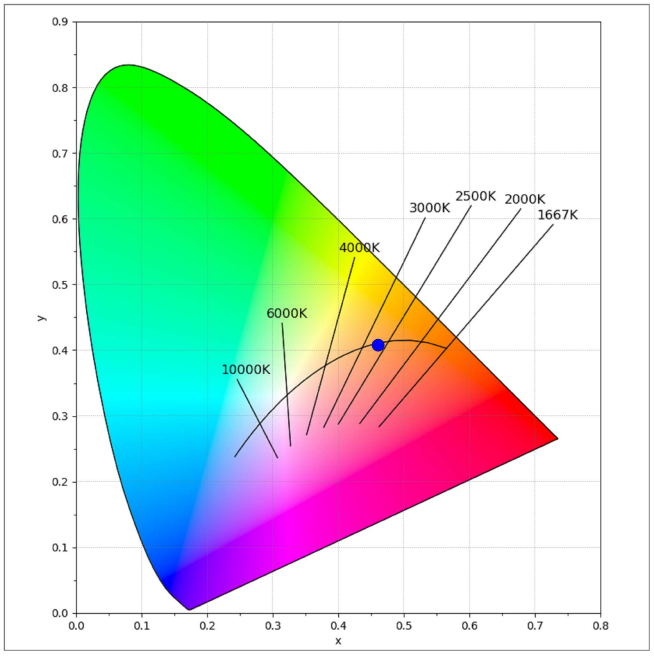
R 1: 92.9	R 2: 97.2	R 3: 98.6	R 4: 92.3	R 5: 92.9
R 6: 96.7	R 7: 90.2	R 8: 79.3	R 9: 56.3	R10: 92.4
R11: 93.6	R12: 85.3	R13: 94.2	R14: 99.1	R15: 88.4

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
381.0	0.007341	387.0	0.010202	393.0	0.009913
399.0	0.011272	405.0	0.005025	411.0	0.009075
417.0	0.020549	423.0	0.012717	429.0	0.039595
435.0	0.076590	441.0	0.124566	447.0	0.267630
453.0	0.364162	459.0	0.271387	465.0	0.260405
471.0	0.196532	477.0	0.162717	483.0	0.185549
489.0	0.203468	495.0	0.240751	501.0	0.288439
507.0	0.341040	513.0	0.372832	519.0	0.393064
525.0	0.413295	531.0	0.459538	537.0	0.468208
543.0	0.494220	549.0	0.523121	555.0	0.557803
561.0	0.604046	567.0	0.635838	573.0	0.656069
579.0	0.708092	585.0	0.757225	591.0	0.797688
597.0	0.843931	603.0	0.890173	609.0	0.942197
615.0	0.982659	621.0	0.988439	627.0	0.979769
633.0	0.956647	639.0	0.933526	645.0	0.890173
651.0	0.832370	657.0	0.768786	663.0	0.702312
669.0	0.601156	675.0	0.543353	681.0	0.491329
687.0	0.421965	693.0	0.375723	699.0	0.309249
705.0	0.260694	711.0	0.243064	717.0	0.203757
723.0	0.163006	729.0	0.126590	735.0	0.125723
741.0	0.092775	747.0	0.080925	753.0	0.067919
759.0	0.056936	765.0	0.051445	771.0	0.041908
777.0	0.039306				

Spectrum Graph

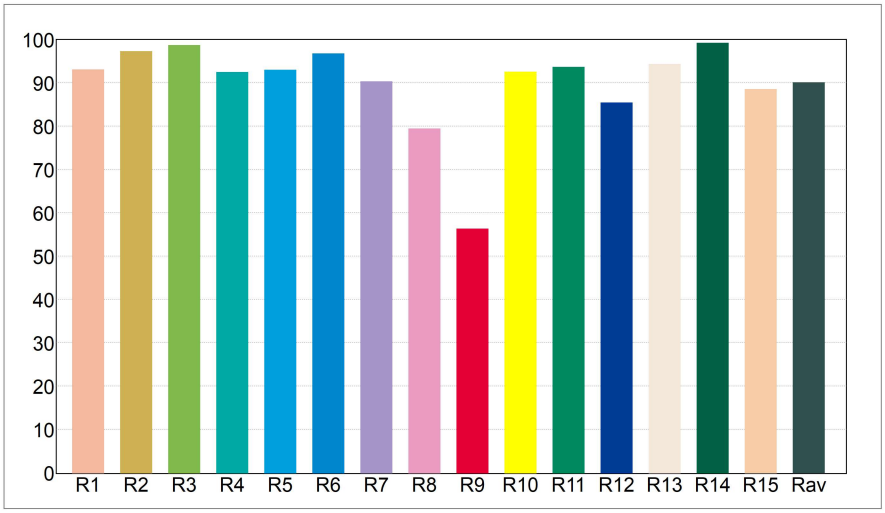


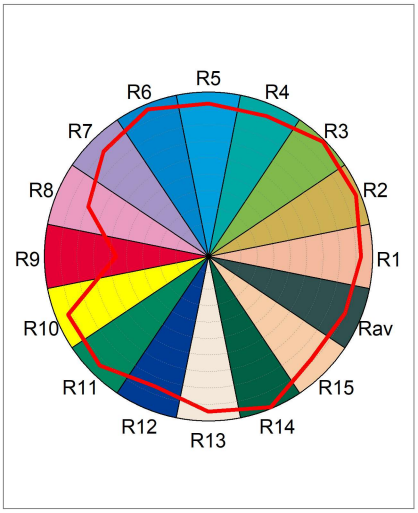


Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

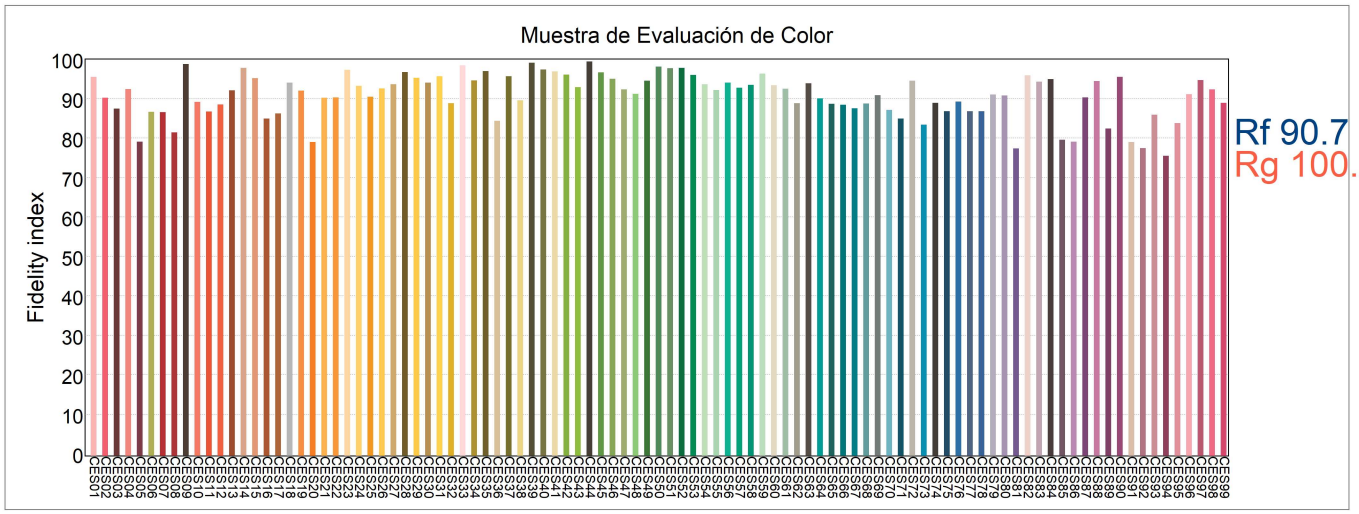
CRI Graphs



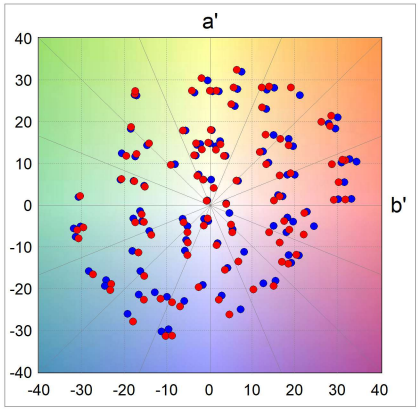


Luminaire
Code 30909324xxx
Name Nans Portable M/49/R Outdoor
Measurem.
Code CL092A24D009VP
Name Nans Portable M/49/R Outdoor

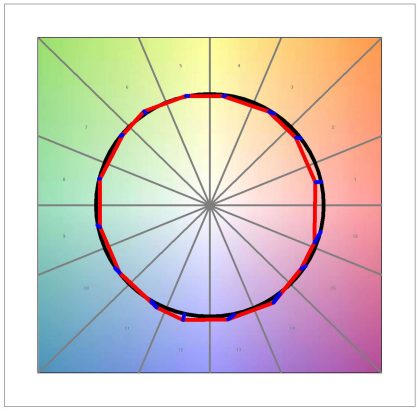
Luminaire Flux	163 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	163 lm	Maximum value	91.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



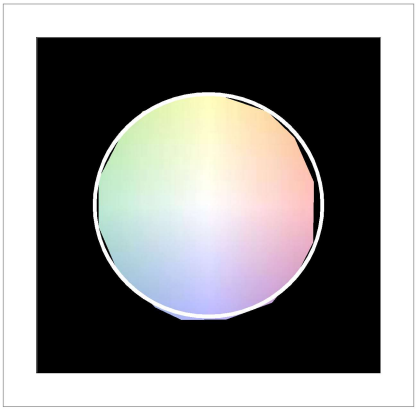
Chromatic Coordinates (a', b') 99 CES



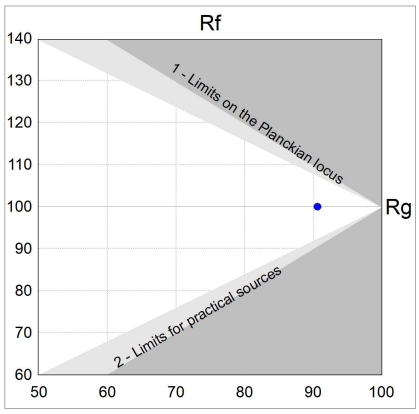
Color Vector Graphic



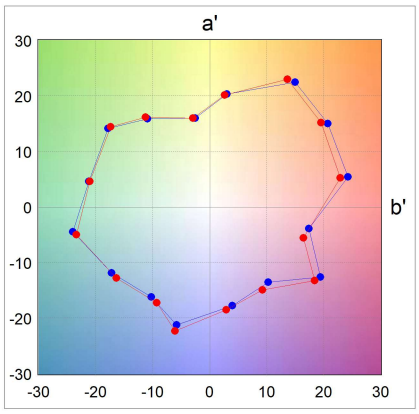
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

