Luminaire

Code	30908324xxx
Name	Nans Portable M/41/R Outdoor
Line	OxyTech

Measurem.

Code	CL092A24D008VP
Name	Nans Portable M/41/R Outdoor

Source Data

Code	SPMWH1228MD7WAWUVK	Correlated Color Temperature (CCT)	2645K	Q.ty	1
Name	SAMSUNG LM281B+Pro	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	24-07-2024	Maximum Gamma Angle	90°
Measurement Distance	6.49m	Measurement Flux	136.9 lm
Maximum	659.68 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM24070803		

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	24.7 °C	Air Speed	0.0 m/s
Humidity	51.8 %		

Luminaire Dimensions

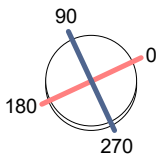
Round Luminaire	Diam.	205 mm	Height	70 mm	
Round Luminous Area	Diam.	90 mm	Height	20 mm	
Horizontal Luminous Area		0.006362 m2	Emitting area on Plane 180°		0.001800 m2
Emitting area on Plane 0°		0.001800 m2	Emitting area on Plane 270°		0.001800 m2
Emitting area on Plane 90°		0.001800 m2	Glare area at 76°		0.003286 m2

Photometric Assessment

Luminaire Flux	136.9 lm	Source Flux	136.9 lm
Efficacy	0.000 lm/W	Efficiency	100.0 %
CIE Flux Codes	45 71 88 100 100	D DIN 5040	A30
F UTE	1.00 E	B NBN	BZ 5

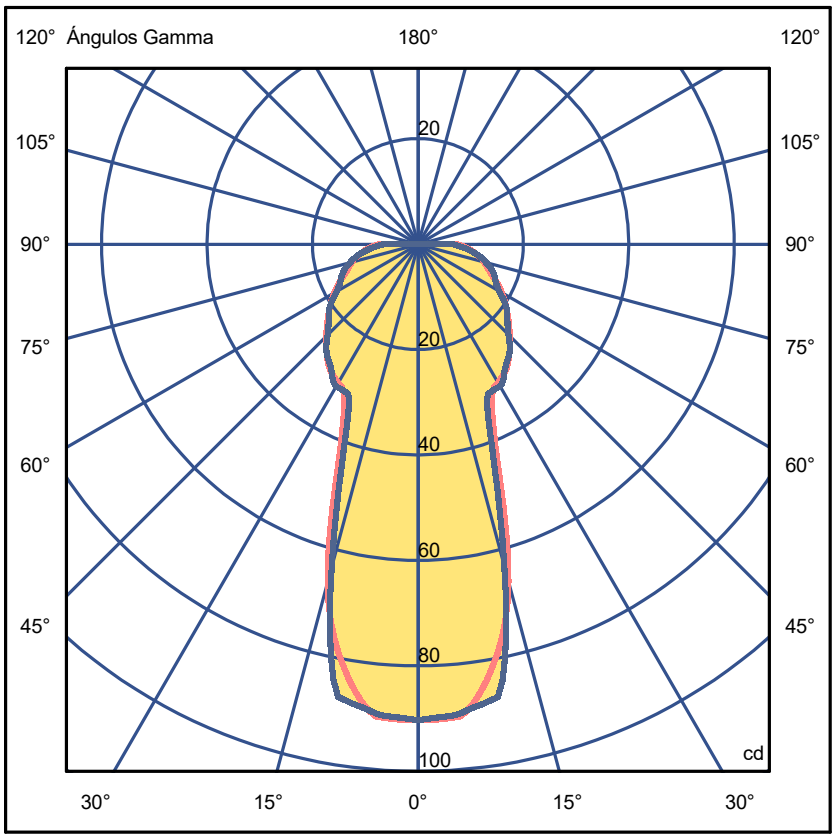


Diam=205mm





ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaire
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Code CL092A24D008VP
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Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

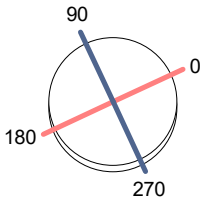
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	90	90	90	90	90	90	90
G 2.5	90	90	90	90	90	90	90
G 5.0	90	90	90	90	89	89	89
G 7.5	87	87	88	88	88	88	88
G 10.0	81	83	84	85	86	87	87
G 12.5	75	76	76	77	77	77	77
G 15.0	66	67	66	65	64	63	63
G 17.5	55	55	54	53	52	51	51
G 20.0	44	44	44	43	42	41	41
G 22.5	37	37	37	36	35	35	35
G 25.0	33	33	33	32	32	31	31
G 27.5	31	31	31	32	31	31	31
G 30.0	30	30	30	31	31	31	31
G 32.5	30	30	30	30	30	30	30
G 35.0	29	29	29	29	29	29	29
G 37.5	28	28	28	27	27	28	28
G 40.0	27	27	26	26	26	27	27
G 42.5	26	26	25	25	25	26	26
G 45.0	25	25	24	24	24	24	24
G 47.5	24	23	23	23	23	23	23
G 50.0	22	22	22	22	22	22	22
G 52.5	21	21	21	21	21	21	21
G 55.0	20	20	20	20	20	20	20
G 57.5	19	19	19	19	19	19	19
G 60.0	18	18	18	18	18	18	18
G 62.5	17	17	17	17	17	17	17
G 65.0	16	16	16	16	16	16	16
G 67.5	15	15	15	15	15	16	16
G 70.0	14	14	15	15	15	15	15
G 72.5	14	14	14	14	14	14	14
G 75.0	13	13	13	14	14	13	13
G 77.5	12	12	13	13	13	13	12
G 80.0	11	12	12	12	12	12	11
G 82.5	10	11	11	10	10	10	10
G 85.0	10	10	9	9	9	9	9
G 87.5	9	8	8	8	8	8	8
G 90.0	7	7	7	7	7	7	7

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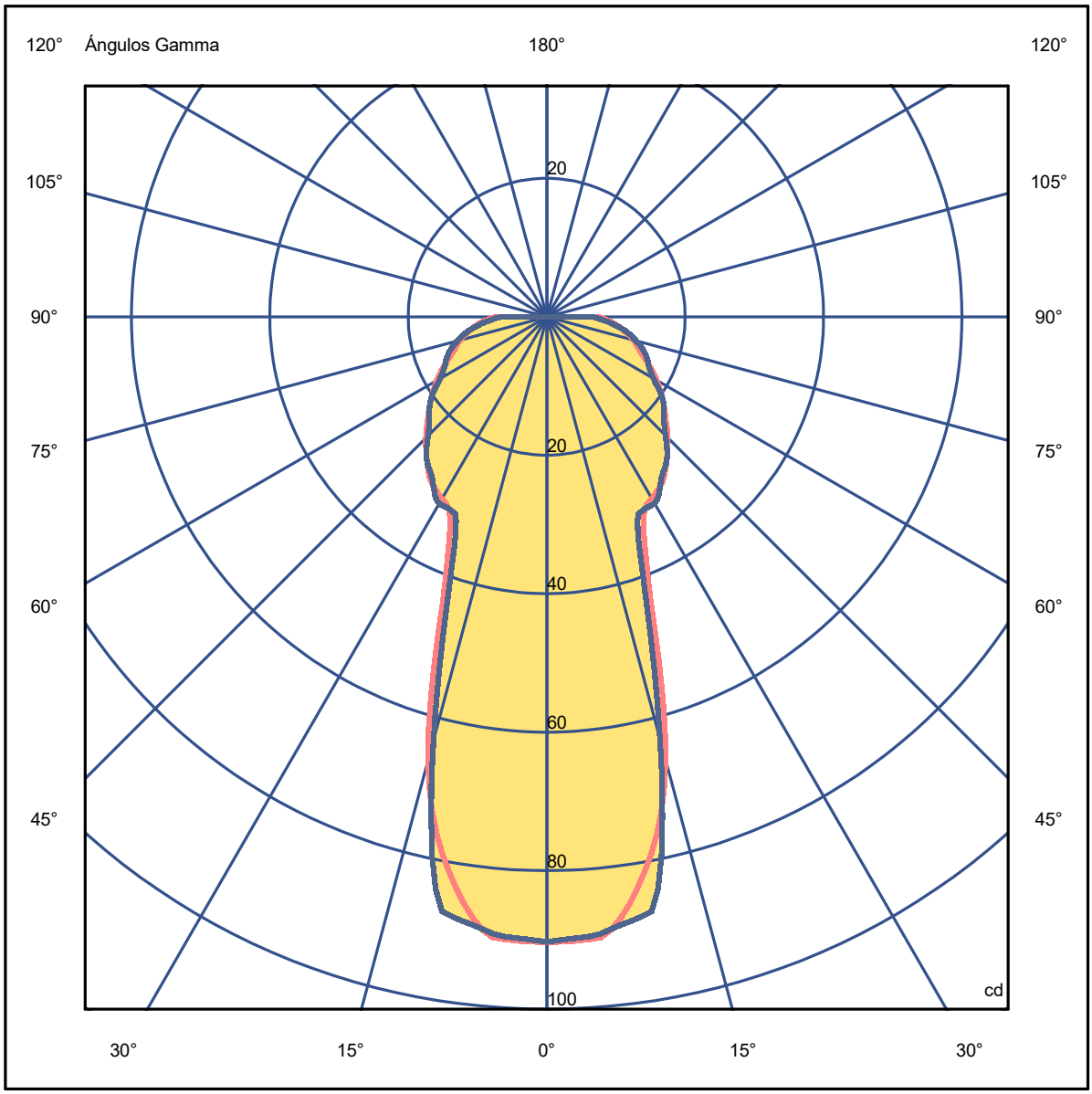
Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=205mm



Semiplanos C





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Code CL092A24D008VP
Name Nans Portable M/41/R Outdoor

Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 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	16.8	18.2	17.2	18.5	18.7	16.7	18.1	17.1	18.4	18.6
x=2H y=3H	18.8	20.0	19.1	20.3	20.6	18.8	20.1	19.1	20.4	20.6
x=2H y=4H	19.8	21.0	20.1	21.3	21.6	19.9	21.1	20.2	21.4	21.7
x=2H y=6H	20.8	22.0	21.2	22.3	22.6	20.9	22.0	21.3	22.3	22.7
x=2H y=8H	21.3	22.4	21.7	22.7	23.0	21.3	22.5	21.7	22.8	23.1
x=2H y=12H	21.7	22.8	22.1	23.1	23.5	21.7	22.8	22.1	23.1	23.5
x=4H y=2H	17.6	18.8	17.9	19.1	19.4	17.5	18.7	17.9	19.0	19.3
x=4H y=3H	19.8	20.8	20.2	21.2	21.5	19.8	20.9	20.2	21.2	21.6
x=4H y=4H	21.0	22.0	21.4	22.3	22.7	21.1	22.1	21.5	22.4	22.8
x=4H y=6H	22.2	23.1	22.6	23.4	23.8	22.3	23.1	22.7	23.5	23.9
x=4H y=8H	22.8	23.6	23.2	24.0	24.4	22.8	23.6	23.3	24.0	24.4
x=4H y=12H	23.3	24.0	23.8	24.4	24.9	23.3	24.0	23.8	24.4	24.9
x=8H y=4H	21.6	22.3	22.0	22.7	23.2	21.6	22.4	22.1	22.8	23.2
x=8H y=6H	23.0	23.7	23.4	24.1	24.5	23.0	23.7	23.5	24.1	24.6
x=8H y=8H	23.7	24.3	24.2	24.7	25.2	23.7	24.3	24.2	24.8	25.2
x=8H y=12H	24.4	24.9	24.9	25.4	25.9	24.3	24.9	24.8	25.3	25.9
x=12H y=4H	21.6	22.4	22.1	22.8	23.2	21.7	22.4	22.2	22.8	23.3
x=12H y=6H	23.2	23.8	23.6	24.2	24.7	23.2	23.8	23.7	24.3	24.7
x=12H y=8H	23.9	24.5	24.4	24.9	25.4	24.0	24.5	24.5	25.0	25.5

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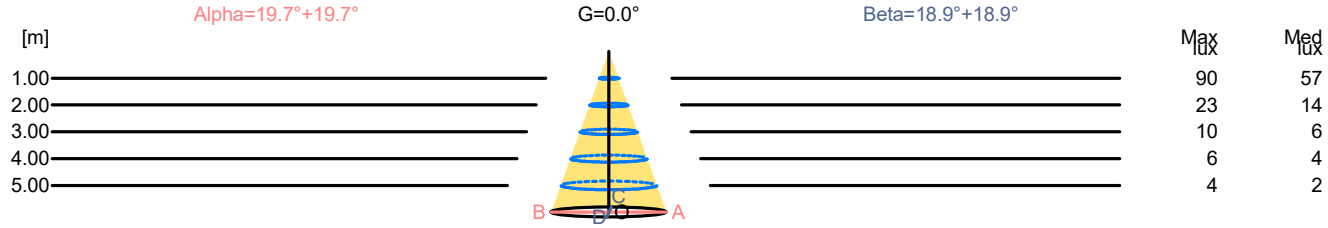
Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.72	1.08	1.43	1.79	OC	0.34	0.68	1.02	1.37	1.71
OB	0.36	0.72	1.08	1.43	1.79	OD	0.34	0.68	1.02	1.37	1.71

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	90.28	89.98	66.32	33.07	29.08	24.68	20.37	16.21	12.98	9.57
OB	90.28	89.98	66.32	33.07	29.08	24.68	20.37	16.21	12.98	9.57
OC	90.28	89.42	63.28	31.36	28.76	24.24	20.38	16.21	13.36	8.97
OD	90.28	89.42	63.28	31.36	28.76	24.24	20.38	16.21	13.36	8.97



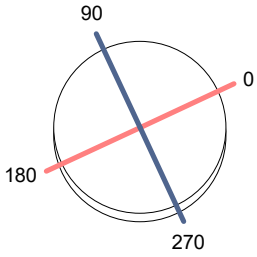
H[m]	D[m]	Max lux	Med lux	Alpha=19.7°+19.7° G=0.0
1.00	0.72	90	57	
2.00	1.43	23	14	
3.00	2.15	10	6	
4.00	2.87	6	4	
5.00	3.59	4	2	

H[m]	D[m]	Max lux	Med lux	Beta=18.9°+18.9° G=0.0
1.00	0.68	90	57	
2.00	1.37	23	14	
3.00	2.05	10	6	
4.00	2.73	6	4	
5.00	3.42	4	2	

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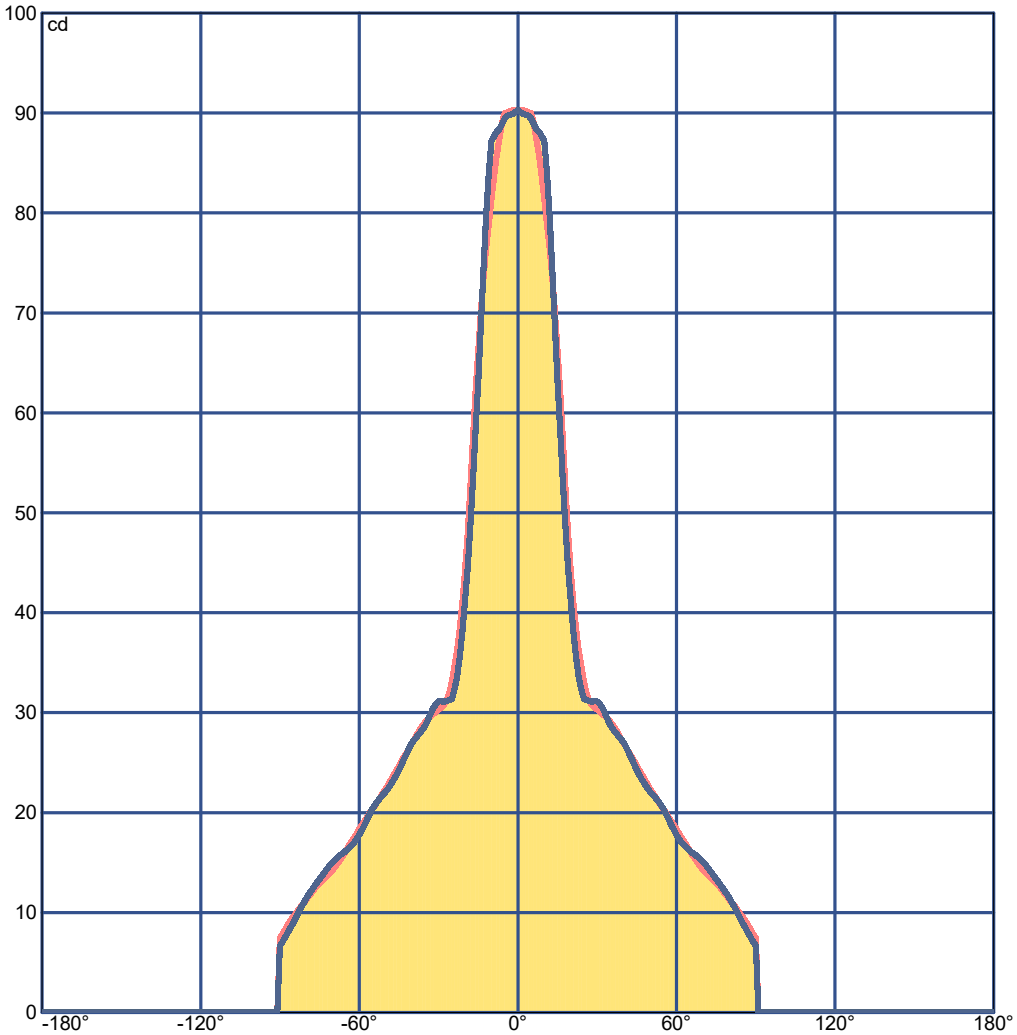
Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=205mm



Semiplanos C





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Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=136.86 Flujo Luminaria=136.86

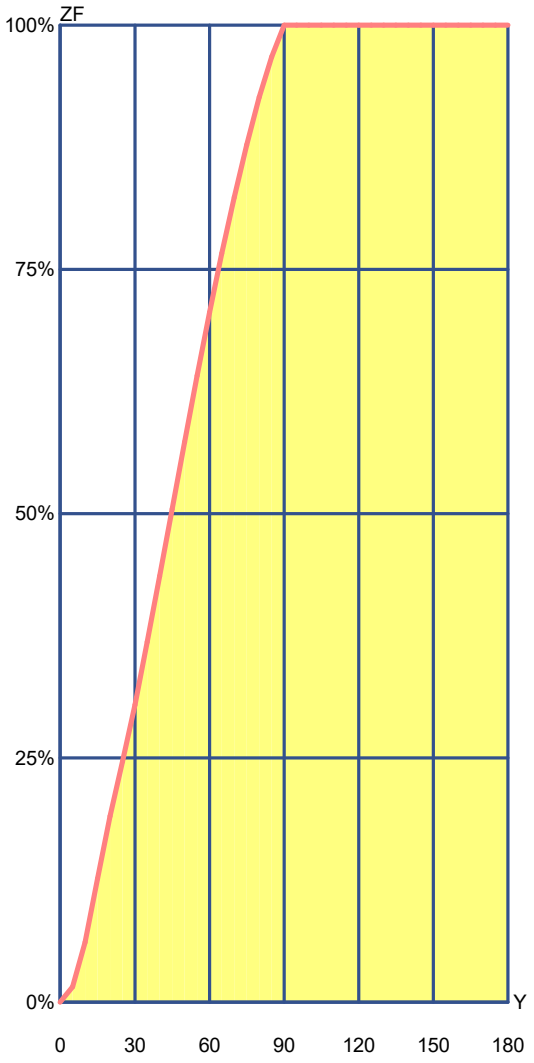
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.38	0.44	0.50	0.55	0.63	0.68	0.72	0.78	0.81	0.89	0.94
RC	5	5	5	6	6	6	6	6	6	7	7	7

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)	61	190	304	436	573	706	824	926	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
45 71 88 100 100

C.I.E.	5/5/5/6/6/6/6/6/7/7/7	LOR	100.00000 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 E	DLOR	100.00000 %
B NBN	BZ 5	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



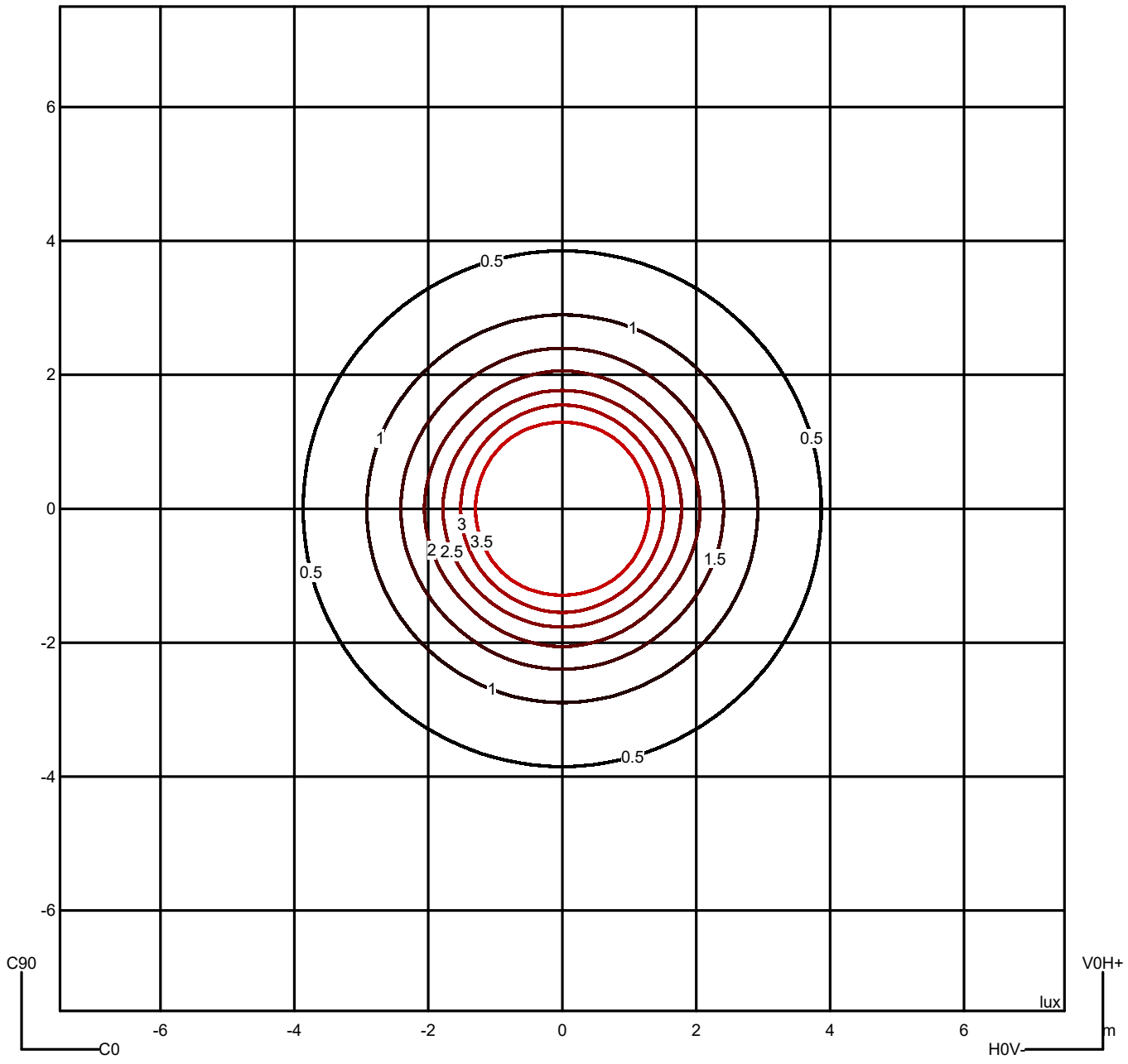
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	15.70	15.70	1.57 %	1.57 %
10°	45.64	61.34	4.56 %	6.13 %
15°	65.18	126.52	6.52 %	12.65 %
20°	63.78	190.30	6.38 %	19.03 %
25°	56.12	246.42	5.61 %	24.64 %
30°	57.98	304.40	5.80 %	30.44 %
35°	64.10	368.50	6.41 %	36.85 %
40°	67.42	435.92	6.74 %	43.59 %
45°	68.69	504.61	6.87 %	50.46 %
50°	68.59	573.20	6.86 %	57.32 %
55°	67.82	641.02	6.78 %	64.10 %
60°	64.87	705.90	6.49 %	70.59 %
65°	60.56	766.45	6.06 %	76.65 %
70°	57.07	823.53	5.71 %	82.35 %
75°	53.78	877.31	5.38 %	87.73 %
80°	48.93	926.23	4.89 %	92.62 %
85°	41.31	967.55	4.13 %	96.75 %
90°	32.45	1000.00	3.25 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



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Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.462632	y =0.408449
CIE1960	u =0.265266	v =0.351297
CIE1976	u'=0.265266	v'=0.526946
D(u,v)	0.00101	

Color rendering index (CRI)
Color Rendering Components

CCT = [2645 K]*

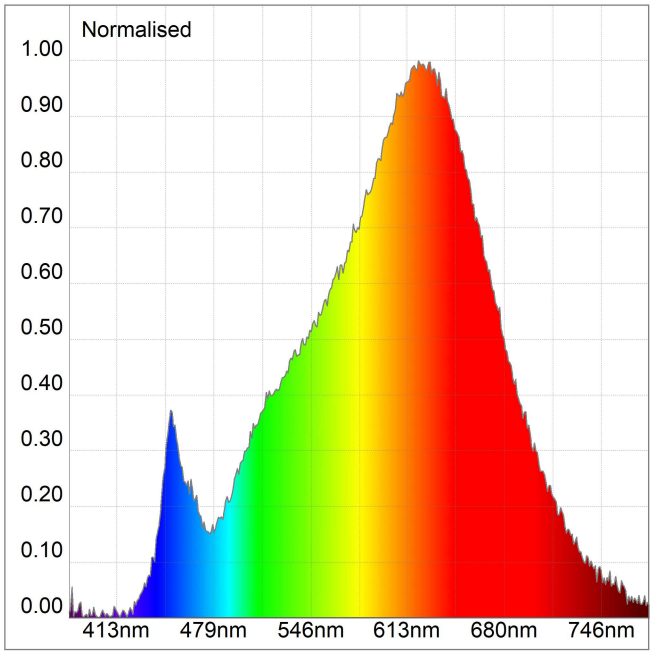
CRI8(Ra) [92.9]* CRI15(Rav) [90.4]*

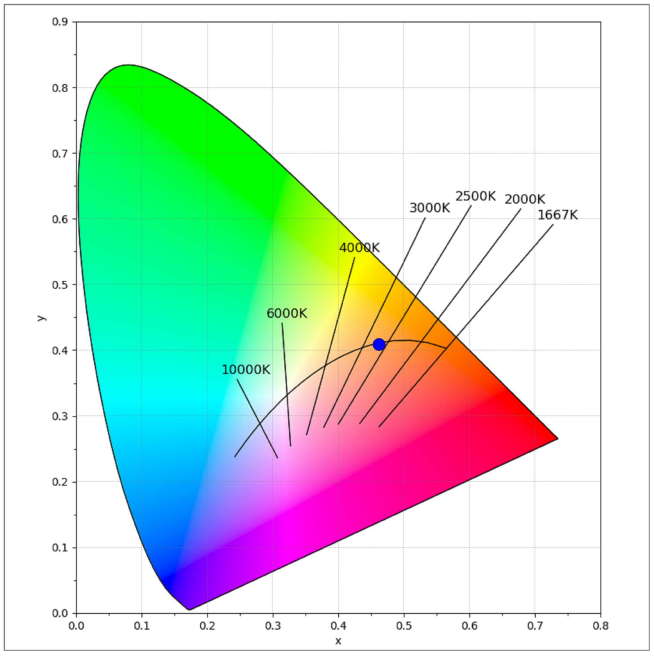
R 1: 93.2	R 2: 96.9	R 3: 98.6	R 4: 93.0	R 5: 93.2
R 6: 96.6	R 7: 91.0	R 8: 80.7	R 9: 58.9	R10: 92.0
R11: 94.4	R12: 85.8	R13: 94.2	R14: 98.7	R15: 89.0

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.008182	386.0	0.012698	392.0	0.006246
398.0	0.005044	404.0	0.008034	410.0	0.004194
416.0	0.007361	422.0	0.018065	428.0	0.033431
434.0	0.071261	440.0	0.141642	446.0	0.268915
452.0	0.343109	458.0	0.269501	464.0	0.248387
470.0	0.184457	476.0	0.153666	482.0	0.172434
488.0	0.210557	494.0	0.248974	500.0	0.282991
506.0	0.322581	512.0	0.366569	518.0	0.407625
524.0	0.407625	530.0	0.442815	536.0	0.480938
542.0	0.489736	548.0	0.527859	554.0	0.545455
560.0	0.589443	566.0	0.607038	572.0	0.659824
578.0	0.692082	584.0	0.753666	590.0	0.788856
596.0	0.844575	602.0	0.888563	608.0	0.935484
614.0	0.961877	620.0	0.982405	626.0	0.982405
632.0	0.985337	638.0	0.935484	644.0	0.894428
650.0	0.835777	656.0	0.785924	662.0	0.709677
668.0	0.639296	674.0	0.565982	680.0	0.501466
686.0	0.431085	692.0	0.381232	698.0	0.331378
704.0	0.276540	710.0	0.226393	716.0	0.207918
722.0	0.163636	728.0	0.131672	734.0	0.107331
740.0	0.101760	746.0	0.091789	752.0	0.065689
758.0	0.058065	764.0	0.047801	770.0	0.035191
776.0	0.028534				

Spectrum Graph

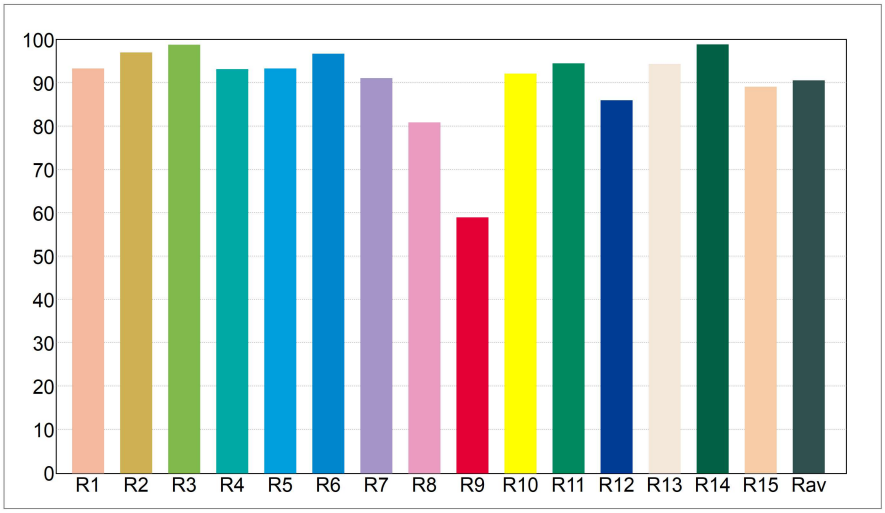


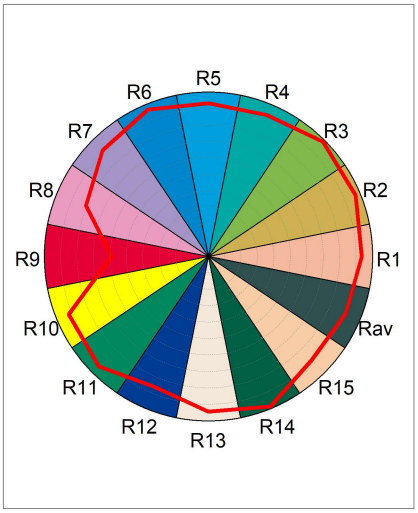


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Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

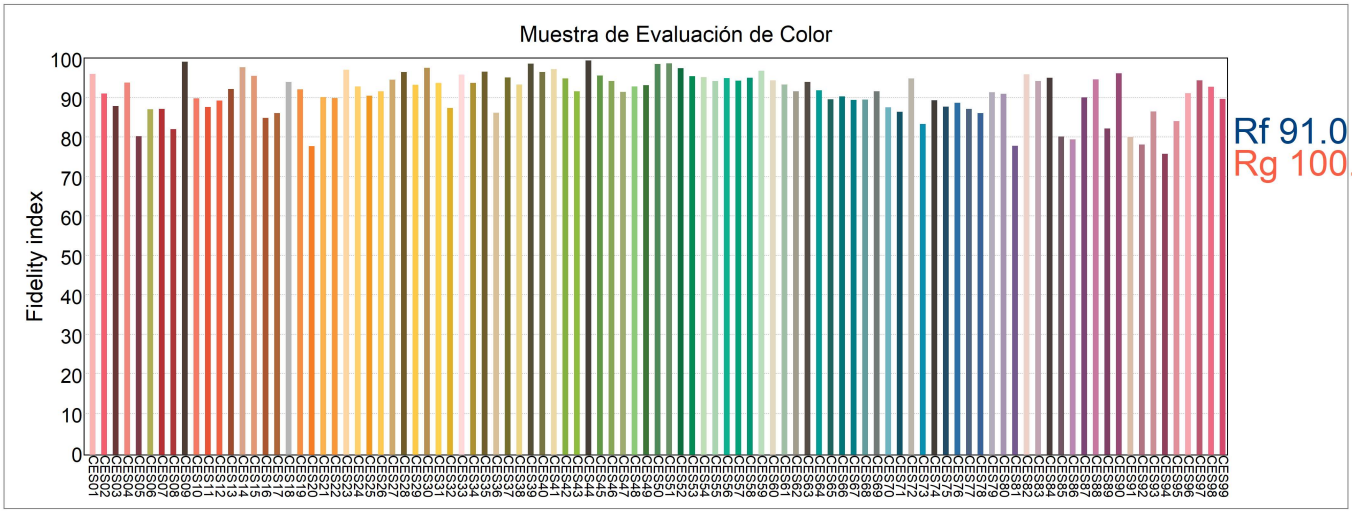
CRI Graphs



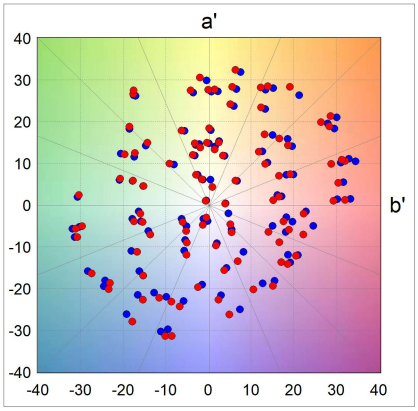


Luminaire
Code 30908324xxx
Name Nans Portable M/41/R Outdoor
Measurem.
Code CL092A24D008VP
Name Nans Portable M/41/R Outdoor

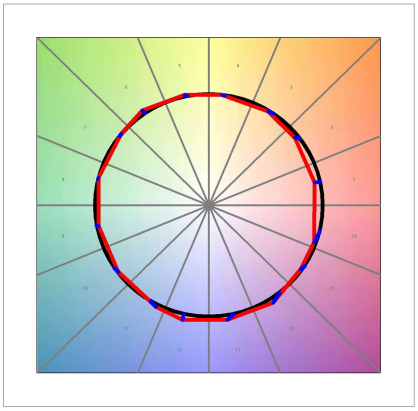
Luminaire Flux	137 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	137 lm	Maximum value	90.28 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



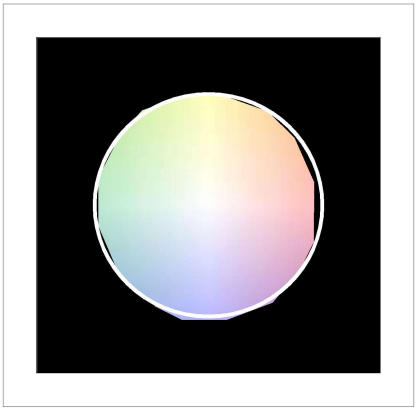
Chromatic Coordinates (a', b') 99 CES



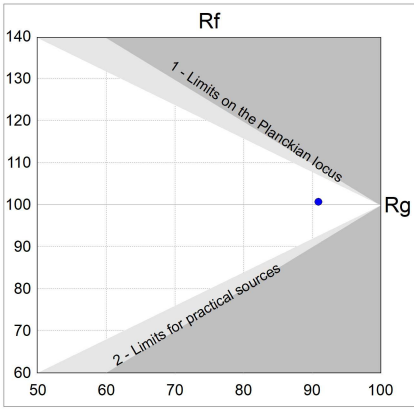
Color Vector Graphic



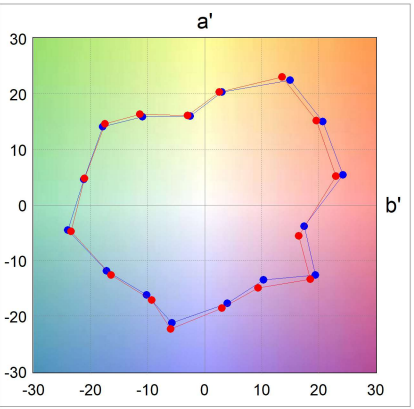
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

