Luminaire

Code	12601038xxx
Name	ARID_A01_2200K
Line	

Measurem.

Code	CL092A25D006GPE2
Name	ARID_A01_2200K

Source Data

Code	LED	Correlated Color Temperature (CCT)	2187K	Q.ty	1
Name	LED	Color rendering index (CRI)	93		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	17-03-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	586.3 lm
Maximum	419.13 cd/klm	Position	C=15.0° G=2.5°
Remarks	RM25031203		

Electrical Parameters

Channel 1		Channel 2	
Voltage	230.20 V	Voltage	0.00 V
Current	0.05 A	Current	0.00 A
Power	11.40 W	Power	0.00 W
Frequency	50 Hz	Frequency	0 Hz
Power Factor	0.94	Power Factor	0.00

Environmental Parameters

Temperature	24.4 °C	Air Speed	0.0 m/s
Humidity	30.8 %		

Luminaire Dimensions

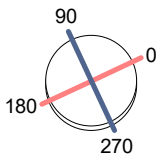
Round Luminaire	Diam.	140 mm	Height	20 mm	
Round Luminous Area	Diam.	130 mm	Height	0 mm	
Horizontal Luminous Area	0.013273 m2		Emitting area on Plane 180°	0.000000 m2	
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2	
Emitting area on Plane 90°	0.000000 m2		Glare area at 76°	0.003211 m2	

Photometric Assessment

Luminaire Flux	586.3 lm	Source Flux	586.3 lm
Efficacy	51.427 lm/W	Efficiency	100.0 %
CIE Flux Codes	47 78 94 98 100	D DIN 5040	A31
F UTE	0.98 E + 0.02 T	B NBN	BZ 4 / 1 / BZ 5

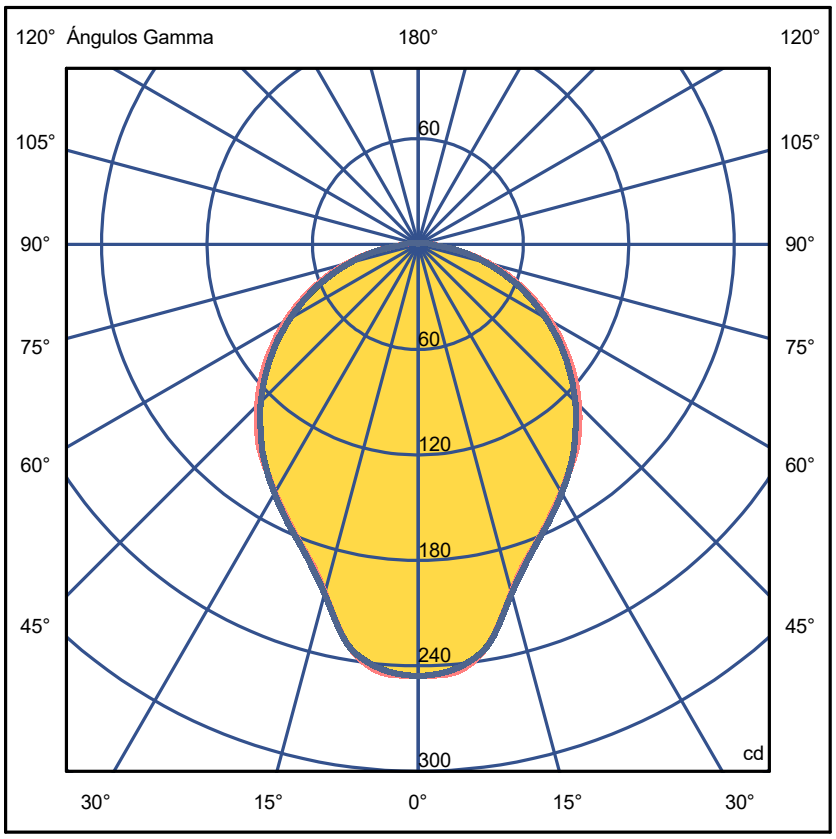


Diam=140mm





ULOR 2.24 %
DLOR 97.76 %
RN 2.24 %



Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

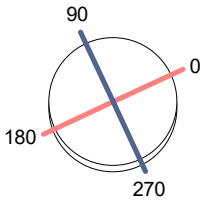
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	246	246	246	246	246	246	246
G 2.5	246	246	245	245	245	245	245
G 5.0	245	244	244	244	243	243	243
G 7.5	240	240	239	239	239	239	238
G 10.0	231	231	231	231	231	231	231
G 12.5	218	218	219	218	218	219	219
G 15.0	205	206	206	206	205	206	206
G 17.5	194	195	195	196	195	196	196
G 20.0	187	187	187	188	187	188	188
G 22.5	180	180	181	181	181	181	181
G 25.0	174	175	175	175	175	175	175
G 27.5	169	170	170	169	169	170	169
G 30.0	163	165	165	164	163	164	163
G 32.5	158	160	160	159	157	158	158
G 35.0	153	154	154	153	151	152	152
G 37.5	148	147	148	148	145	146	146
G 40.0	142	141	142	142	139	140	139
G 42.5	136	134	135	135	134	133	133
G 45.0	130	128	129	128	127	126	127
G 47.5	123	121	122	122	121	119	120
G 50.0	116	115	114	115	114	112	113
G 52.5	109	108	107	107	107	105	106
G 55.0	101	101	99	100	99	98	99
G 57.5	94	94	92	93	92	91	91
G 60.0	87	86	84	85	85	83	84
G 62.5	79	79	77	78	77	76	77
G 65.0	72	71	70	70	70	69	69
G 67.5	64	64	62	63	63	61	62
G 70.0	57	57	55	55	55	54	54
G 72.5	49	49	48	48	48	47	47
G 75.0	41	41	41	41	41	40	40
G 77.5	34	34	34	33	33	33	32
G 80.0	26	27	27	26	26	26	26
G 82.5	19	20	20	19	20	19	19
G 85.0	13	14	14	13	13	13	13
G 87.5	9	9	9	9	9	9	9
G 90.0	7	7	7	7	7	7	7
G 92.5	6	6	6	6	6	6	6
G 95.0	6	6	6	6	6	6	6
G 97.5	5	5	5	5	5	5	5
G100.0	4	4	4	4	4	4	4
G102.5	4	3	4	4	4	4	4
G105.0	3	3	3	3	3	3	4
G107.5	3	2	3	3	3	2	3
G110.0	2	2	2	3	3	2	3
G112.5	2	2	2	2	2	2	2
G115.0	2	2	2	2	2	1	2
G117.5	1	1	2	2	2	1	1
G120.0	1	1	1	2	1	1	1
G122.5	1	1	1	1	1	1	1
G125.0	1	1	1	1	1	1	1
G127.5	1	1	1	1	1	1	1
G130.0	1	1	1	1	1	0	0
G132.5	1	1	1	1	0	0	0
G135.0	0	1	1	1	0	0	0
G137.5	0	0	1	0	0	0	0
G140.0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0
G180.0	1	1	1	1	1	1	1

Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

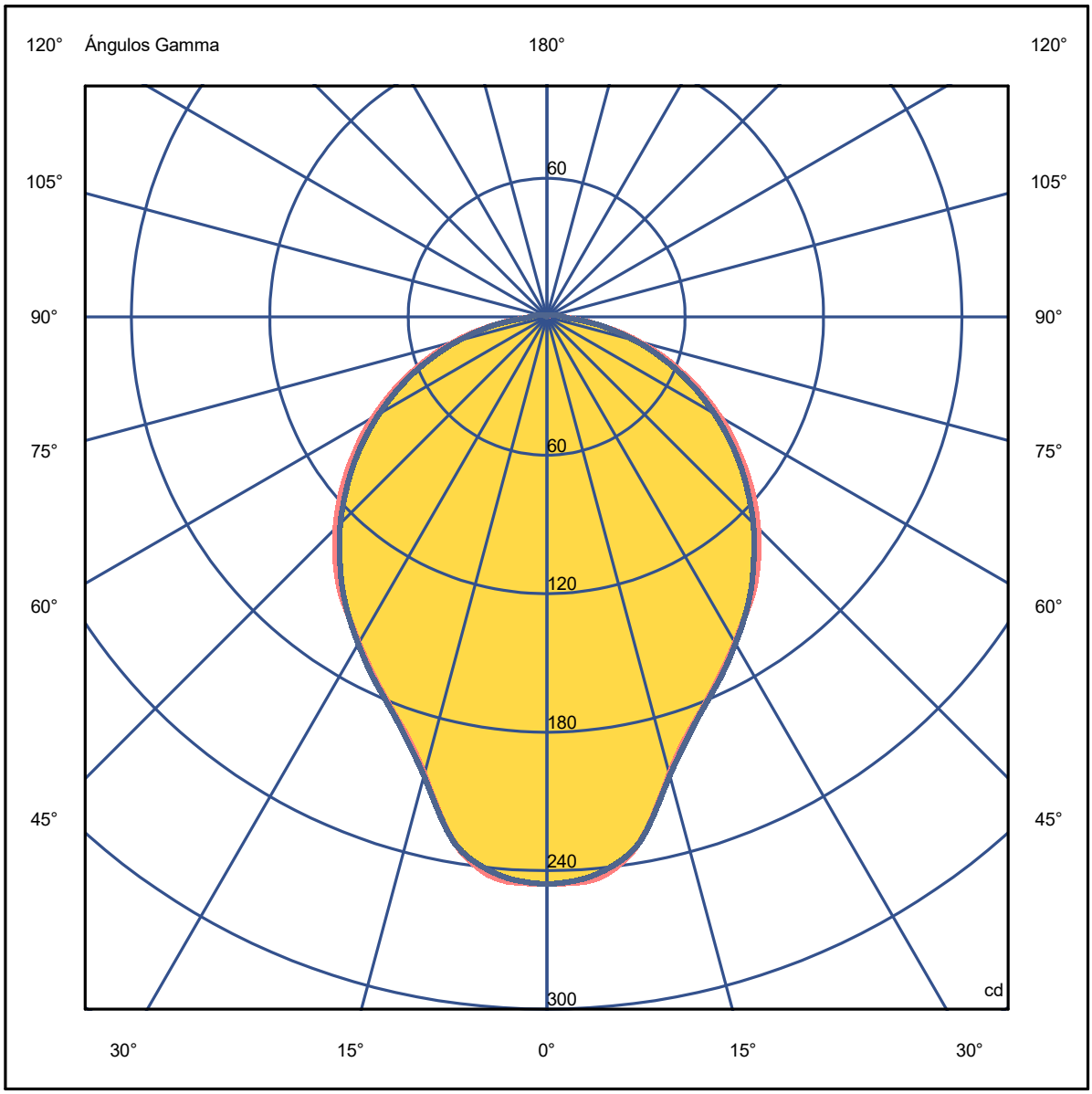
Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 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	21.4	22.7	21.7	23.0	23.3	21.3	22.6	21.6	22.8	23.1
x=2H y=3H	23.1	24.3	23.5	24.6	24.9	22.9	24.1	23.3	24.4	24.7
x=2H y=4H	23.8	25.0	24.2	25.3	25.6	23.6	24.7	24.0	25.1	25.4
x=2H y=6H	24.4	25.4	24.8	25.8	26.1	24.2	25.2	24.6	25.6	25.9
x=2H y=8H	24.6	25.6	25.0	26.0	26.3	24.4	25.4	24.8	25.7	26.1
x=2H y=12H	24.8	25.7	25.2	26.1	26.5	24.5	25.5	25.0	25.9	26.2
x=4H y=2H	22.1	23.2	22.5	23.5	23.9	22.0	23.1	22.4	23.4	23.8
x=4H y=3H	24.0	24.9	24.4	25.3	25.7	23.8	24.8	24.2	25.1	25.5
x=4H y=4H	24.8	25.7	25.3	26.1	26.5	24.7	25.5	25.1	25.9	26.3
x=4H y=6H	25.6	26.3	26.0	26.7	27.2	25.4	26.1	25.8	26.5	27.0
x=4H y=8H	25.8	26.5	26.3	26.9	27.4	25.7	26.3	26.1	26.8	27.3
x=4H y=12H	26.1	26.7	26.5	27.1	27.6	25.9	26.5	26.4	27.0	27.4
x=8H y=4H	25.2	25.9	25.6	26.3	26.8	25.0	25.7	25.5	26.1	26.6
x=8H y=6H	26.1	26.6	26.6	27.1	27.6	25.9	26.5	26.4	27.0	27.5
x=8H y=8H	26.4	26.9	26.9	27.4	27.9	26.3	26.8	26.8	27.3	27.8
x=8H y=12H	26.8	27.2	27.3	27.7	28.2	26.6	27.0	27.1	27.5	28.1
x=12H y=4H	25.2	25.8	25.7	26.3	26.8	25.1	25.7	25.6	26.1	26.6
x=12H y=6H	26.1	26.6	26.7	27.1	27.6	26.0	26.5	26.5	27.0	27.5
x=12H y=8H	26.6	27.0	27.1	27.5	28.1	26.4	26.9	27.0	27.4	27.9

Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
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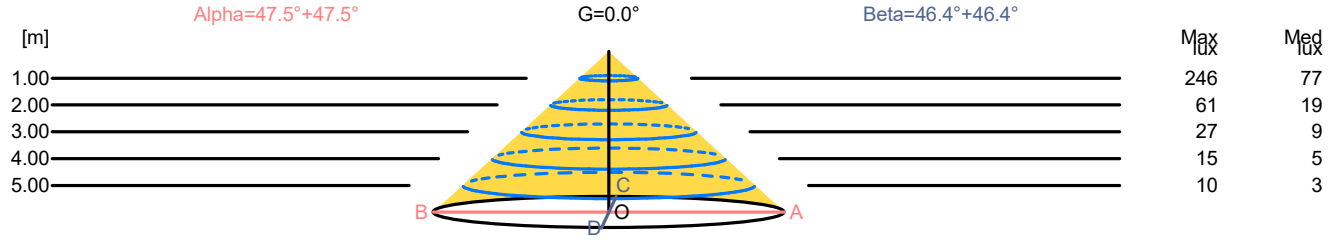
Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

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	1.09	2.18	3.27	4.36	5.45	OC	1.05	2.10	3.15	4.19	5.24
OB	1.09	2.18	3.27	4.36	5.45	OD	1.05	2.10	3.15	4.19	5.24

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	245.72	244.54	205.02	174.34	152.74	129.54	101.39	71.71	41.40	13.30
OB	245.72	244.54	205.02	174.34	152.74	129.54	101.39	71.71	41.40	13.30
OC	245.72	242.58	205.85	175.08	152.06	126.57	98.55	69.10	39.54	12.69
OD	245.72	242.58	205.85	175.08	152.06	126.57	98.55	69.10	39.54	12.69



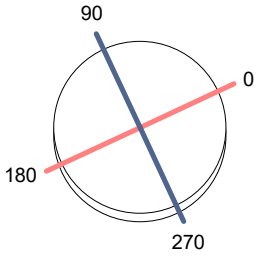
H[m]	D[m]	Max lux	Med lux	Alpha=47.5°+47.5° G=0.0
1.00	2.18	246	77	
2.00	4.36	61	19	
3.00	6.55	27	9	
4.00	8.73	15	5	
5.00	10.91	10	3	

H[m]	D[m]	Max lux	Med lux	Beta=46.4°+46.4° G=0.0
1.00	2.10	246	77	
2.00	4.19	61	19	
3.00	6.29	27	9	
4.00	8.39	15	5	
5.00	10.48	10	3	

Luminaire
Code 12601038xxx
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Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

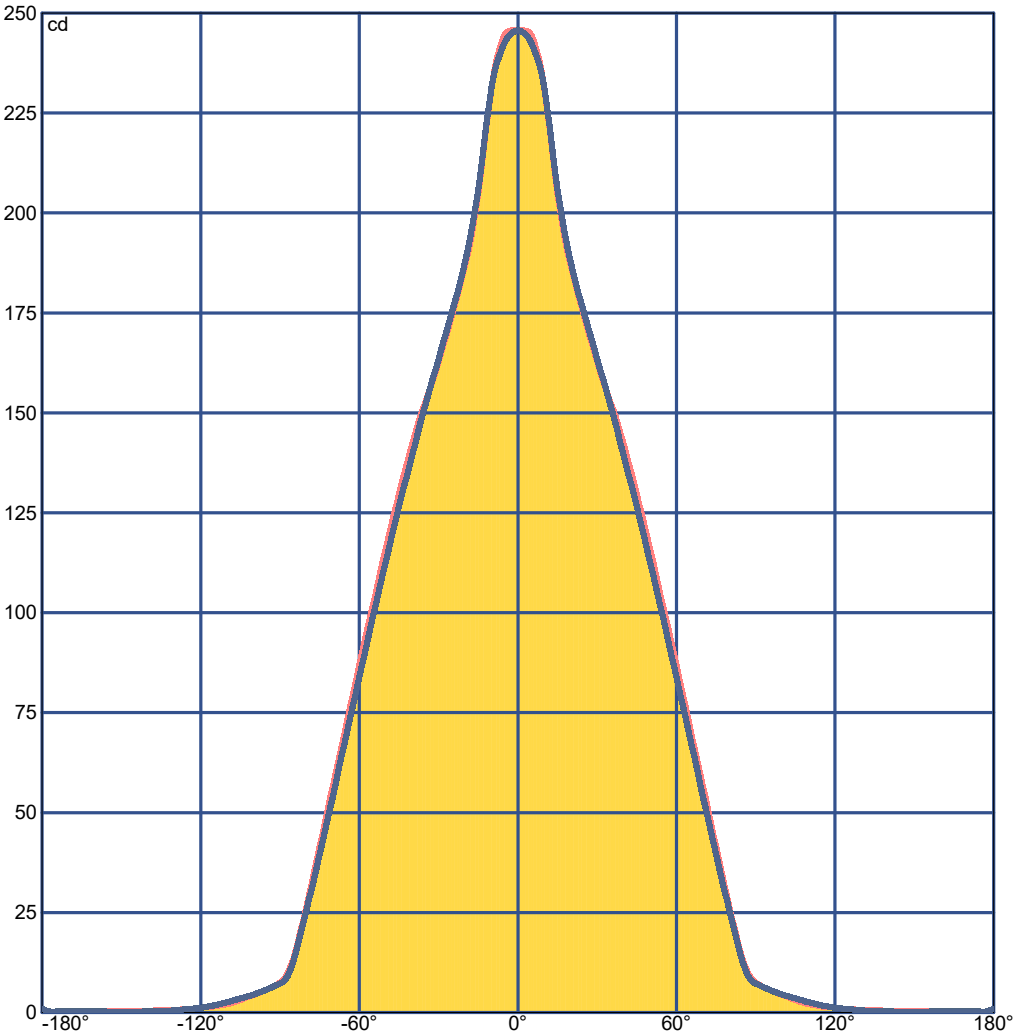
Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
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Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=586.27 Flujo Luminaria=586.27

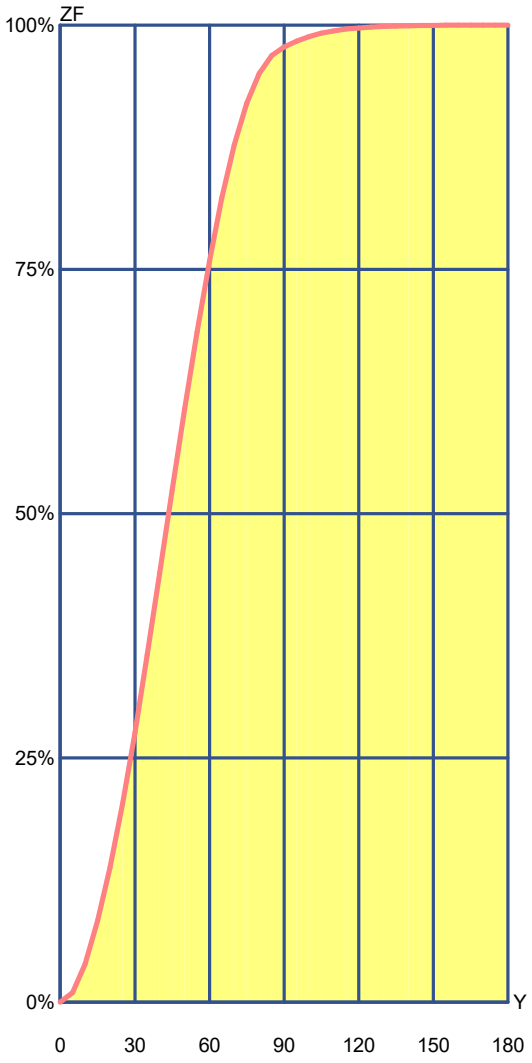
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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)	39	138	276	439	607	759	877	950	978	988	994	997	999	999	1000	1000	1000	1000

Códigos de Flujo C.I.E.
47 78 94 98 100

C.I.E.	5	LOR	100.00000 %
D DIN 5040	A31	ULOR	2.23538 %
F UTE	0.98 E + 0.02 T	DLOR	97.76462 %
B NBN	BZ 4 / 1 / BZ 5	UFF	2.23538 %
RN	2.23538 %	DFF	97.76462 %
BLF	1.0	FFR	2.28649 %



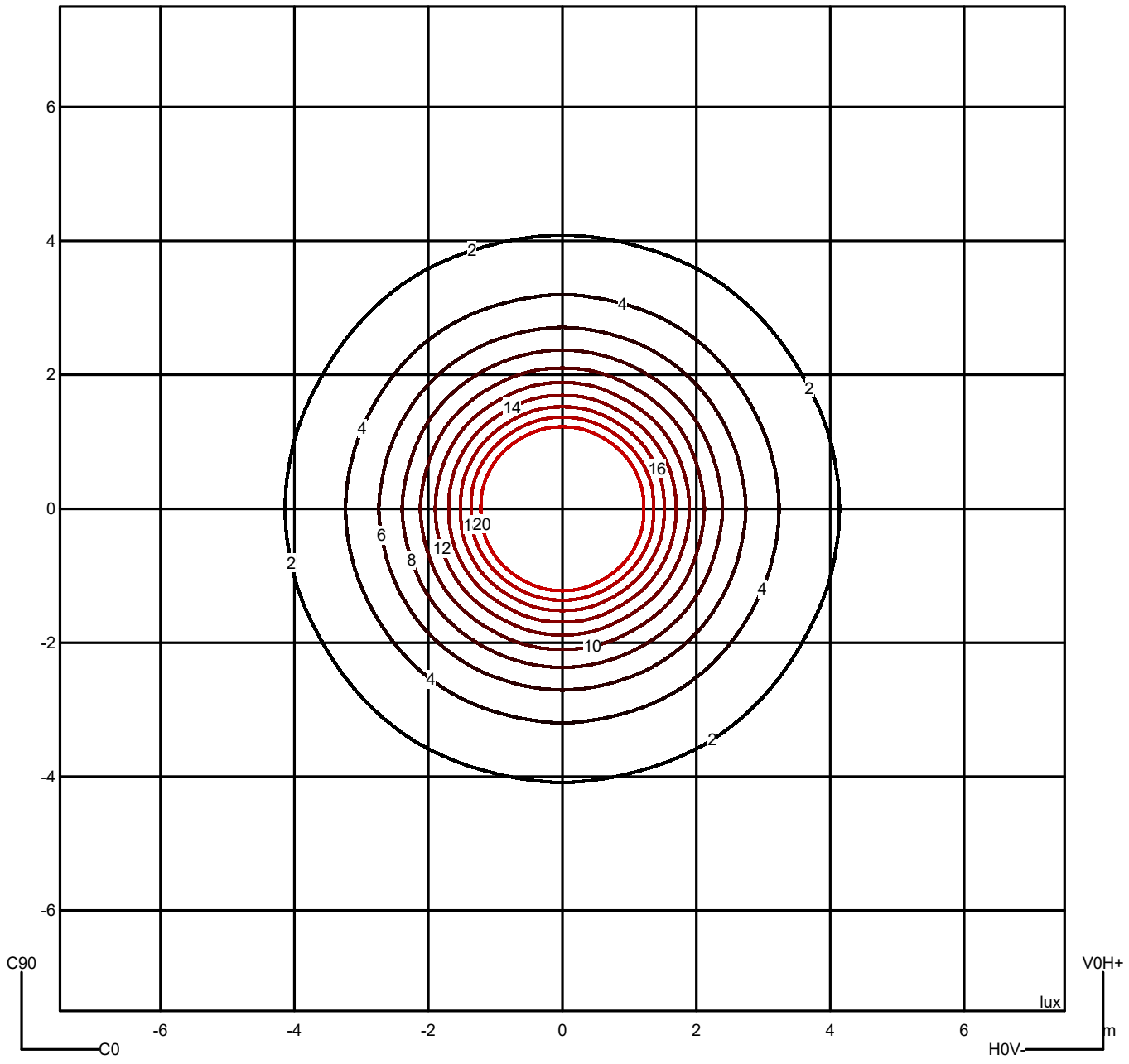
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.98	9.98	1.00 %	1.00 %
10°	29.01	39.00	2.90 %	3.90 %
15°	44.06	83.06	4.41 %	8.31 %
20°	54.98	138.04	5.50 %	13.80 %
25°	64.68	202.71	6.47 %	20.27 %
30°	73.15	275.86	7.31 %	27.59 %
35°	79.61	355.46	7.96 %	35.55 %
40°	83.53	439.00	8.35 %	43.90 %
45°	84.73	523.73	8.47 %	52.37 %
50°	83.26	606.98	8.33 %	60.70 %
55°	79.16	686.14	7.92 %	68.61 %
60°	72.74	758.87	7.27 %	75.89 %
65°	64.24	823.11	6.42 %	82.31 %
70°	54.11	877.22	5.41 %	87.72 %
75°	42.74	919.97	4.27 %	92.00 %
80°	30.52	950.48	3.05 %	95.05 %
85°	18.21	968.70	1.82 %	96.87 %
90°	8.95	977.65	0.89 %	97.76 %
95°	5.99	983.64	0.60 %	98.36 %
100°	4.63	988.27	0.46 %	98.83 %
105°	3.43	991.70	0.34 %	99.17 %
110°	2.43	994.13	0.24 %	99.41 %
115°	1.74	995.88	0.17 %	99.59 %
120°	1.25	997.13	0.13 %	99.71 %
125°	0.89	998.02	0.09 %	99.80 %
130°	0.63	998.64	0.06 %	99.86 %
135°	0.44	999.09	0.04 %	99.91 %
140°	0.30	999.39	0.03 %	99.94 %
145°	0.19	999.58	0.02 %	99.96 %
150°	0.12	999.69	0.01 %	99.97 %
155°	0.08	999.78	0.01 %	99.98 %
160°	0.07	999.85	0.01 %	99.99 %
165°	0.06	999.91	0.01 %	99.99 %
170°	0.05	999.96	0.00 %	100.00 %
175°	0.03	999.99	0.00 %	100.00 %
180°	0.01	1000.00	0.00 %	100.00 %

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Source Flux	586 lm	Maximum value	245.72 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
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Name ARID_A01_2200K

Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.506658	y =0.414741	
CIE1960	u =0.291033	v =0.357352	
CIE1976	u'=0.291033	v'=0.536028	
D(u,v)	0.00014		

Color rendering index (CRI)
Color Rendering Components

CCT = [2187 K]*

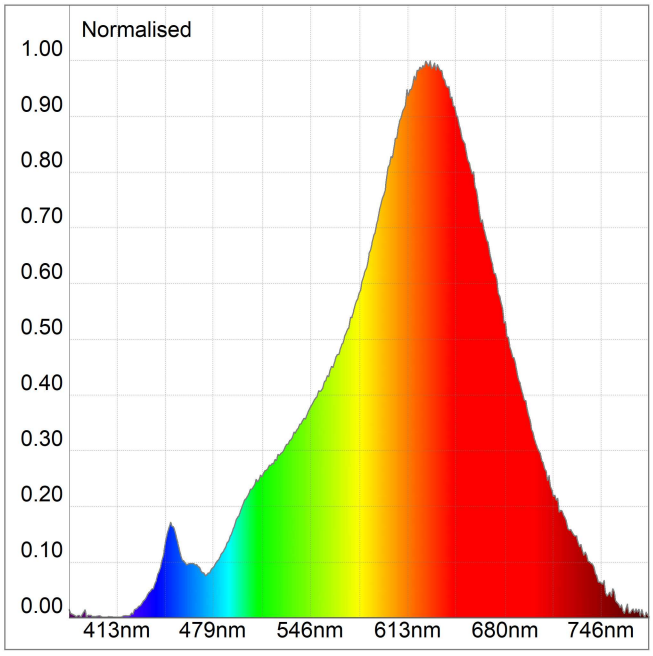
CRI8(Ra) [93.1]* CRI15(Rav) [91.6]*

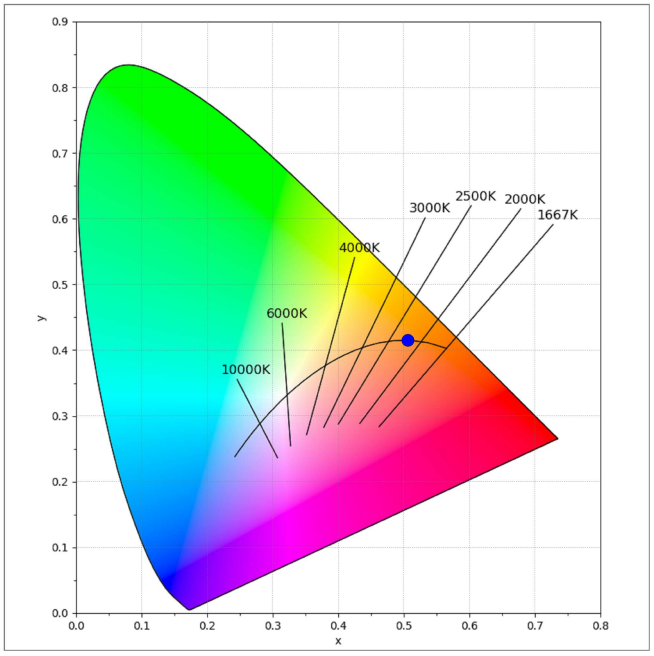
R 1: 94.2	R 2: 98.5	R 3: 98.1	R 4: 95.0	R 5: 95.2
R 6: 96.7	R 7: 89.2	R 8: 78.2	R 9: 56.4	R10: 96.2
R11: 98.5	R12: 95.2	R13: 95.6	R14: 99.4	R15: 88.0

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.014713	386.0	0.003941	392.0	0.000177
398.0	0.001948	404.0	0.000780	410.0	0.001143
416.0	0.000715	422.0	0.003914	428.0	0.020571
434.0	0.041111	440.0	0.065750	446.0	0.129699
452.0	0.162977	458.0	0.103396	464.0	0.097016
470.0	0.090262	476.0	0.080601	482.0	0.101168
488.0	0.127098	494.0	0.164475	500.0	0.204395
506.0	0.230652	512.0	0.255924	518.0	0.273610
524.0	0.293156	530.0	0.311506	536.0	0.331405
542.0	0.358011	548.0	0.384905	554.0	0.407965
560.0	0.444727	566.0	0.472397	572.0	0.517826
578.0	0.567577	584.0	0.622064	590.0	0.685943
596.0	0.752780	602.0	0.828049	608.0	0.892105
614.0	0.937450	620.0	0.982714	626.0	0.999700
632.0	0.996005	638.0	0.968612	644.0	0.934730
650.0	0.875656	656.0	0.816767	662.0	0.748985
668.0	0.677765	674.0	0.617439	680.0	0.529208
686.0	0.467330	692.0	0.409398	698.0	0.354584
704.0	0.299210	710.0	0.246060	716.0	0.210837
722.0	0.179829	728.0	0.149113	734.0	0.120587
740.0	0.097457	746.0	0.064125	752.0	0.042060
758.0	0.027251	764.0	0.015781	770.0	0.008724
776.0	0.005582				

Spectrum Graph

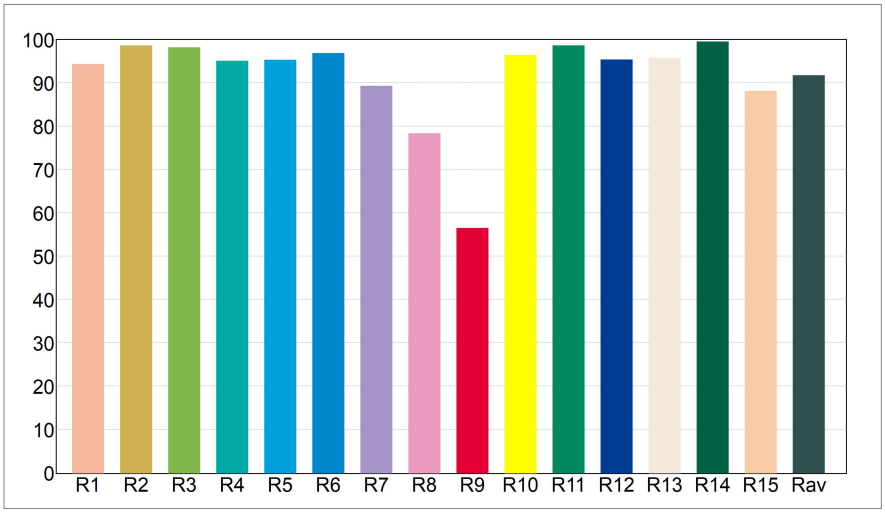


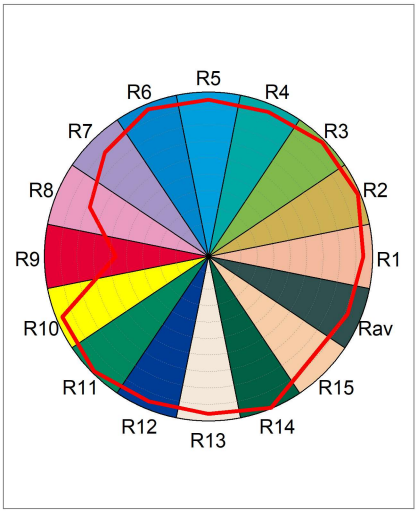


Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

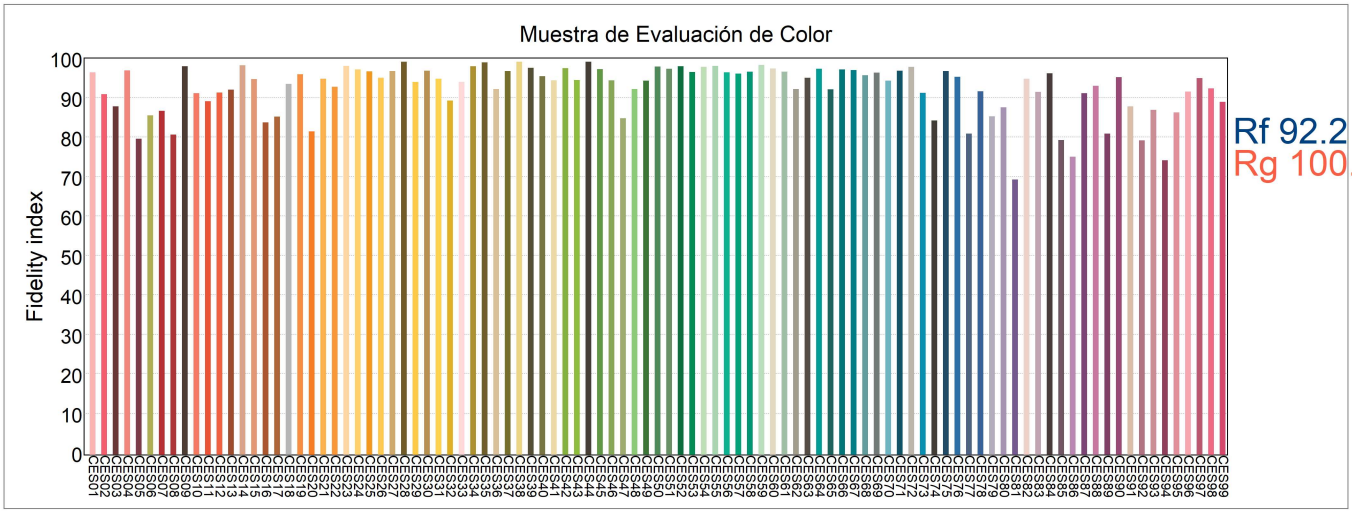
CRI Graphs



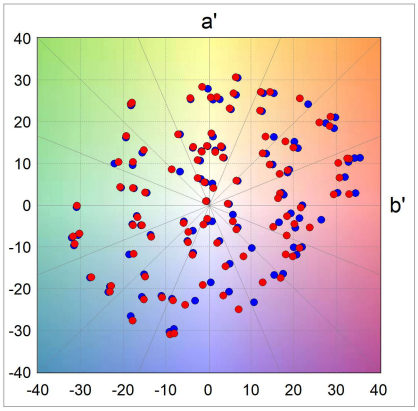


Luminaire
Code 12601038xxx
Name ARID_A01_2200K
Measurem.
Code CL092A25D006GPE2
Name ARID_A01_2200K

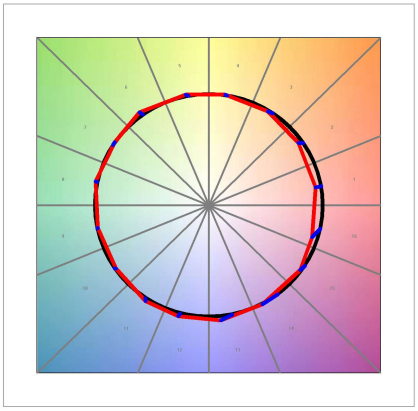
Luminaire Flux	586 lm	Luminaire Power	11.4 W	Efficacy	51.427 lm/W	Efficiency	100.00%
Source Flux	586 lm	Maximum value	245.72 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



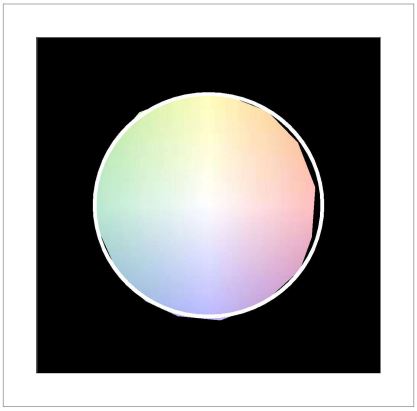
Chromatic Coordinates (a', b') 99 CES



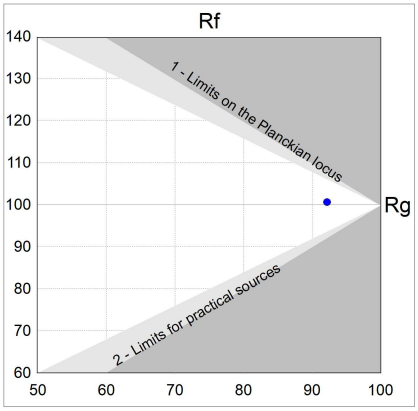
Color Vector Graphic



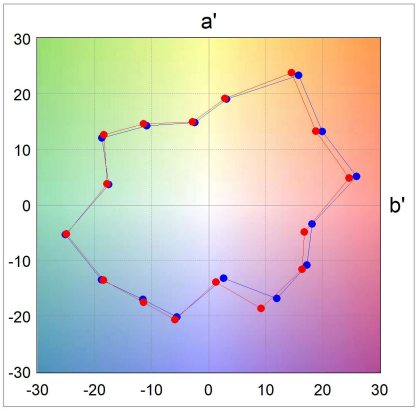
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

