Luminaire

Code	12601038xxx
Name	ARID A/01 2400
Line	

Measurem.

Code	CL092A25D007GP
Name	ARID A/01 2400

Source Data

Code	2200K CRI90 3-step JB2835BWT-G-U22EA0000 (20xx)-xxx-C01 3-step	Correlated Color Temperature (CCT)	2425K	Q.ty	1
Name	Cree	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	633.9 lm
Maximum	417.45 cd/klm	Position	C=0.0° G=0.0°
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	11.00 W	Power	0.00 W
Frequency	50 Hz	Frequency	0 Hz
Power Factor	0.94	Power Factor	0.00

Environmental Parameters

Temperature	24.9 °C	Air Speed	0.0 m/s
Humidity	30.6 %		

Luminaire Dimensions

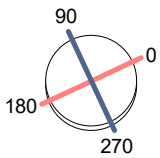
Round Luminaire	Diam.	140 mm	Height	20 mm	
Round Luminous Area	Diam.	130 mm	Height	0 mm	
Horizontal Luminous Area	0.013273 m2		Emitting area on Plane 180°	0.000000 m2	
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2	
Emitting area on Plane 90°	0.000000 m2		Glare area at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

Photometric Assessment

Luminaire Flux	633.9 lm	Source Flux	633.9 lm
Efficacy	57.628 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

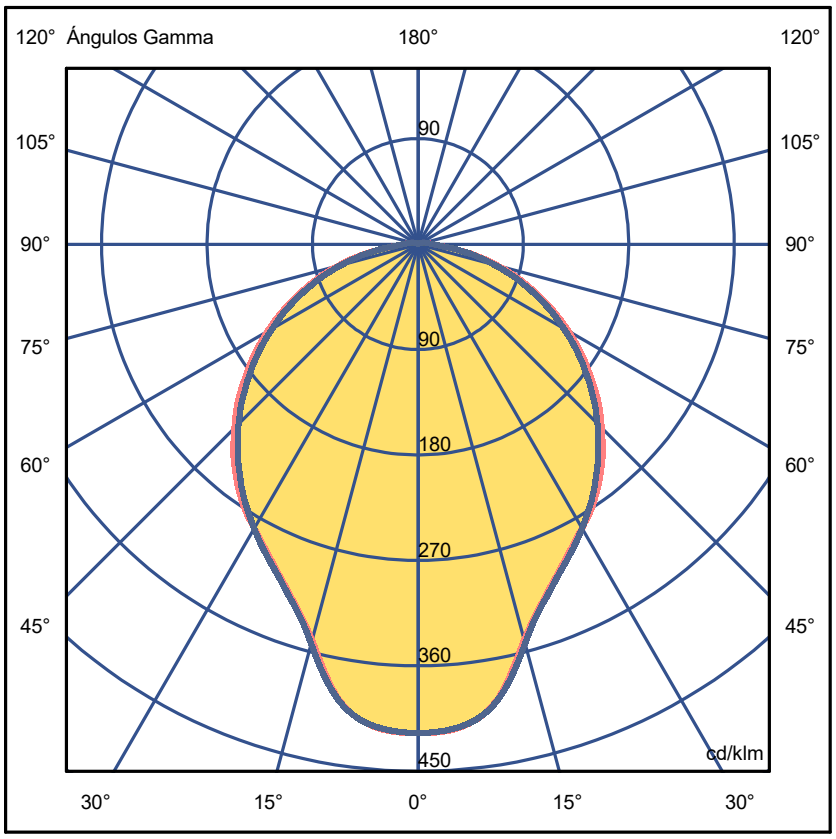


Diam=140mm





ULOR 2.20 %
DLOR 97.80 %
RN 2.20 %



Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

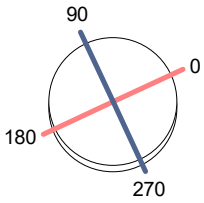
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	417	417	417	417	417	417	417
G 2.5	417	417	417	417	417	417	416
G 5.0	414	414	414	414	414	414	414
G 7.5	407	407	407	407	407	407	407
G 10.0	394	394	394	394	395	395	394
G 12.5	372	372	373	374	375	375	375
G 15.0	350	350	351	352	353	353	353
G 17.5	333	333	333	334	335	335	334
G 20.0	319	319	320	321	321	321	321
G 22.5	307	308	308	309	310	309	309
G 25.0	297	299	299	299	299	299	299
G 27.5	288	290	290	289	290	289	289
G 30.0	280	281	282	279	280	280	280
G 32.5	272	272	273	270	270	270	270
G 35.0	264	261	263	261	259	260	260
G 37.5	254	251	252	252	248	250	250
G 40.0	244	241	241	241	237	239	239
G 42.5	233	231	230	230	227	228	228
G 45.0	222	220	218	219	216	216	217
G 47.5	211	209	205	207	205	204	205
G 50.0	199	197	193	195	194	192	193
G 52.5	186	185	181	183	182	179	181
G 55.0	174	173	169	171	170	167	169
G 57.5	161	160	157	158	157	154	156
G 60.0	148	148	145	145	145	142	143
G 62.5	135	135	132	132	132	130	131
G 65.0	122	122	120	119	119	117	118
G 67.5	109	109	107	106	106	104	105
G 70.0	96	96	95	93	94	92	93
G 72.5	84	83	83	81	81	79	80
G 75.0	71	71	70	68	69	67	67
G 77.5	58	58	57	56	57	55	55
G 80.0	45	45	45	44	45	43	43
G 82.5	33	33	33	33	33	32	32
G 85.0	23	23	23	22	23	22	22
G 87.5	16	15	15	15	16	16	16
G 90.0	12	12	12	12	12	12	12
G 92.5	11	11	11	11	11	11	10
G 95.0	10	10	10	9	9	9	9
G 97.5	8	8	8	8	8	8	8
G100.0	7	7	7	7	7	7	7
G102.5	6	6	6	7	7	6	7
G105.0	5	5	6	6	6	5	6
G107.5	4	4	5	5	5	4	5
G110.0	3	3	4	4	5	3	4
G112.5	3	3	4	4	4	3	4
G115.0	2	3	3	3	3	2	3
G117.5	2	2	3	3	3	2	2
G120.0	2	2	2	3	3	2	2
G122.5	2	2	2	2	2	1	2
G125.0	2	2	2	2	2	1	1
G127.5	1	1	2	2	1	1	1
G130.0	1	1	1	1	1	1	1
G132.5	1	1	1	1	1	1	1
G135.0	1	1	1	1	1	1	0
G137.5	1	1	1	1	1	0	0
G140.0	1	1	1	1	0	0	0
G142.5	0	0	1	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	0	0	0	0	0	0	0

Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

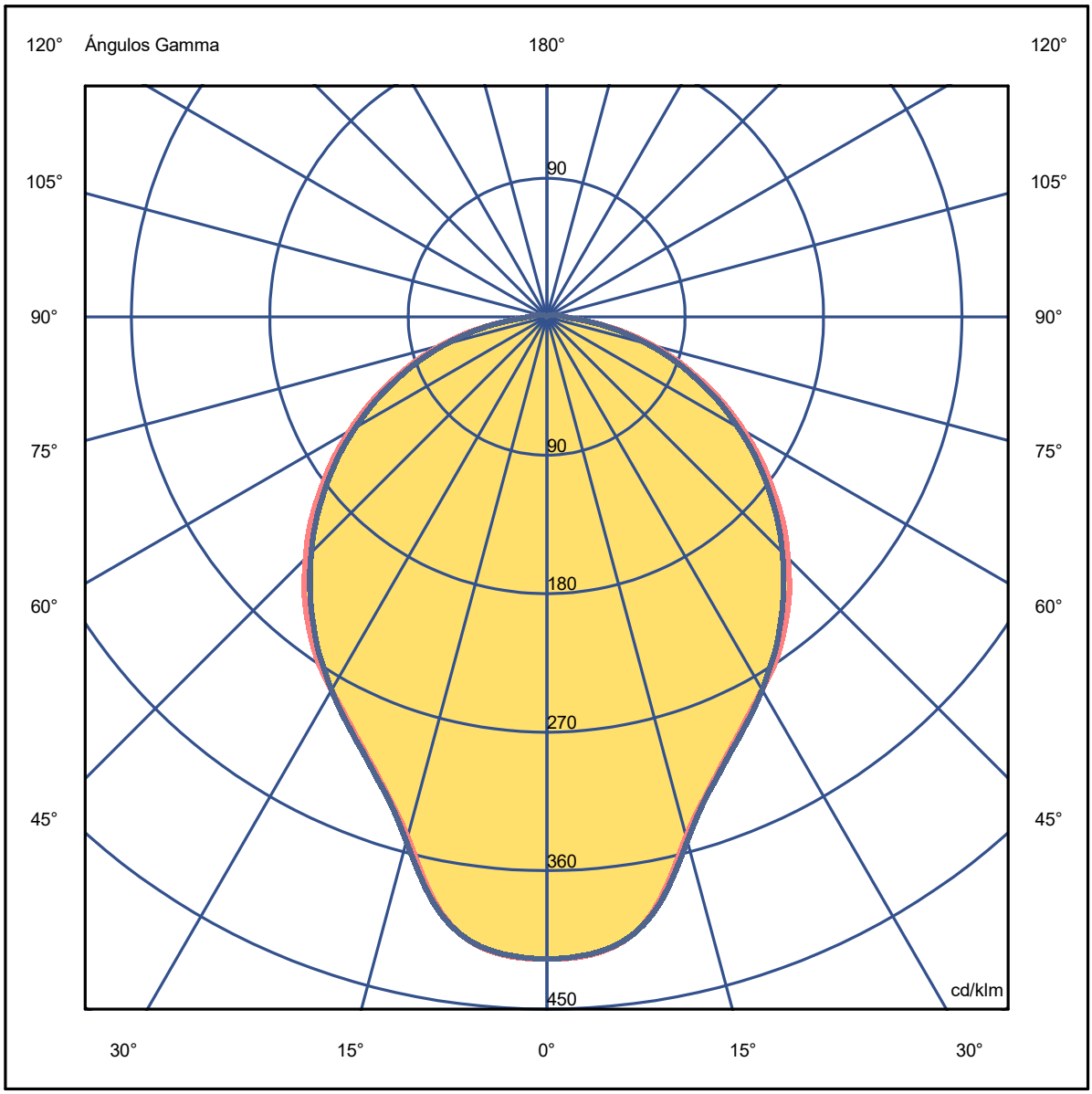
Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%	
Source Flux	634 lm	Maximum value	417.45 cd/klm	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	21.7	23.0	22.0	23.3	23.5	21.5	22.8	21.9	23.1	23.4
x=2H y=3H	23.4	24.6	23.7	24.9	25.2	23.2	24.3	23.5	24.7	25.0
x=2H y=4H	24.1	25.2	24.5	25.5	25.9	23.9	25.0	24.2	25.3	25.6
x=2H y=6H	24.7	25.7	25.1	26.1	26.4	24.4	25.4	24.8	25.8	26.2
x=2H y=8H	24.9	25.9	25.3	26.2	26.6	24.6	25.6	25.0	26.0	26.4
x=2H y=12H	25.0	26.0	25.4	26.4	26.8	24.8	25.7	25.2	26.1	26.5
x=4H y=2H	22.4	23.5	22.7	23.8	24.1	22.2	23.4	22.6	23.7	24.0
x=4H y=3H	24.3	25.2	24.7	25.6	26.0	24.1	25.0	24.5	25.4	25.8
x=4H y=4H	25.1	26.0	25.6	26.4	26.8	24.9	25.8	25.4	26.2	26.6
x=4H y=6H	25.8	26.6	26.3	27.0	27.4	25.6	26.3	26.1	26.8	27.2
x=4H y=8H	26.1	26.8	26.6	27.2	27.7	25.9	26.6	26.4	27.0	27.5
x=4H y=12H	26.3	26.9	26.8	27.4	27.9	26.1	26.7	26.6	27.2	27.6
x=8H y=4H	25.5	26.1	25.9	26.6	27.0	25.3	26.0	25.8	26.4	26.9
x=8H y=6H	26.3	26.9	26.8	27.4	27.9	26.1	26.7	26.6	27.2	27.7
x=8H y=8H	26.7	27.2	27.2	27.7	28.2	26.5	27.0	27.0	27.5	28.0
x=8H y=12H	27.0	27.4	27.5	27.9	28.5	26.8	27.2	27.3	27.7	28.3
x=12H y=4H	25.5	26.1	26.0	26.5	27.0	25.3	25.9	25.8	26.4	26.9
x=12H y=6H	26.4	26.9	26.9	27.4	27.9	26.2	26.7	26.7	27.2	27.7
x=12H y=8H	26.8	27.2	27.4	27.8	28.3	26.6	27.1	27.2	27.6	28.1

Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

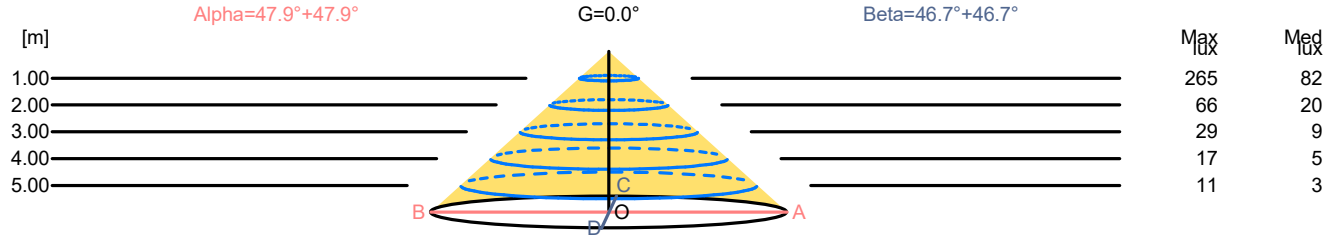
Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.11	2.21	3.32	4.43	5.54	OC	1.06	2.12	3.18	4.25	5.31
OB	1.11	2.21	3.32	4.43	5.54	OD	1.06	2.12	3.18	4.25	5.31

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	264.62	262.45	221.61	188.42	167.25	140.62	110.06	77.56	44.83	14.42
OB	264.62	262.45	221.61	188.42	167.25	140.62	110.06	77.56	44.83	14.42
OC	264.62	262.15	223.71	189.49	165.10	137.25	107.00	75.04	42.77	13.90
OD	264.62	262.15	223.71	189.49	165.10	137.25	107.00	75.04	42.77	13.90



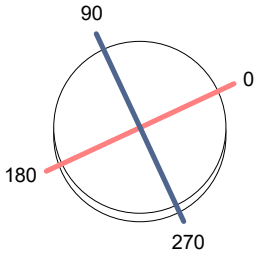
H[m]	D[m]	Max lux	Med lux	Alpha=47.9°+47.9° G=0.0
1.00	2.21	265	82	
2.00	4.43	66	20	
3.00	6.64	29	9	
4.00	8.86	17	5	
5.00	11.07	11	3	

H[m]	D[m]	Max lux	Med lux	Beta=46.7°+46.7° G=0.0
1.00	2.12	265	82	
2.00	4.25	66	20	
3.00	6.37	29	9	
4.00	8.49	17	5	
5.00	10.62	11	3	

Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

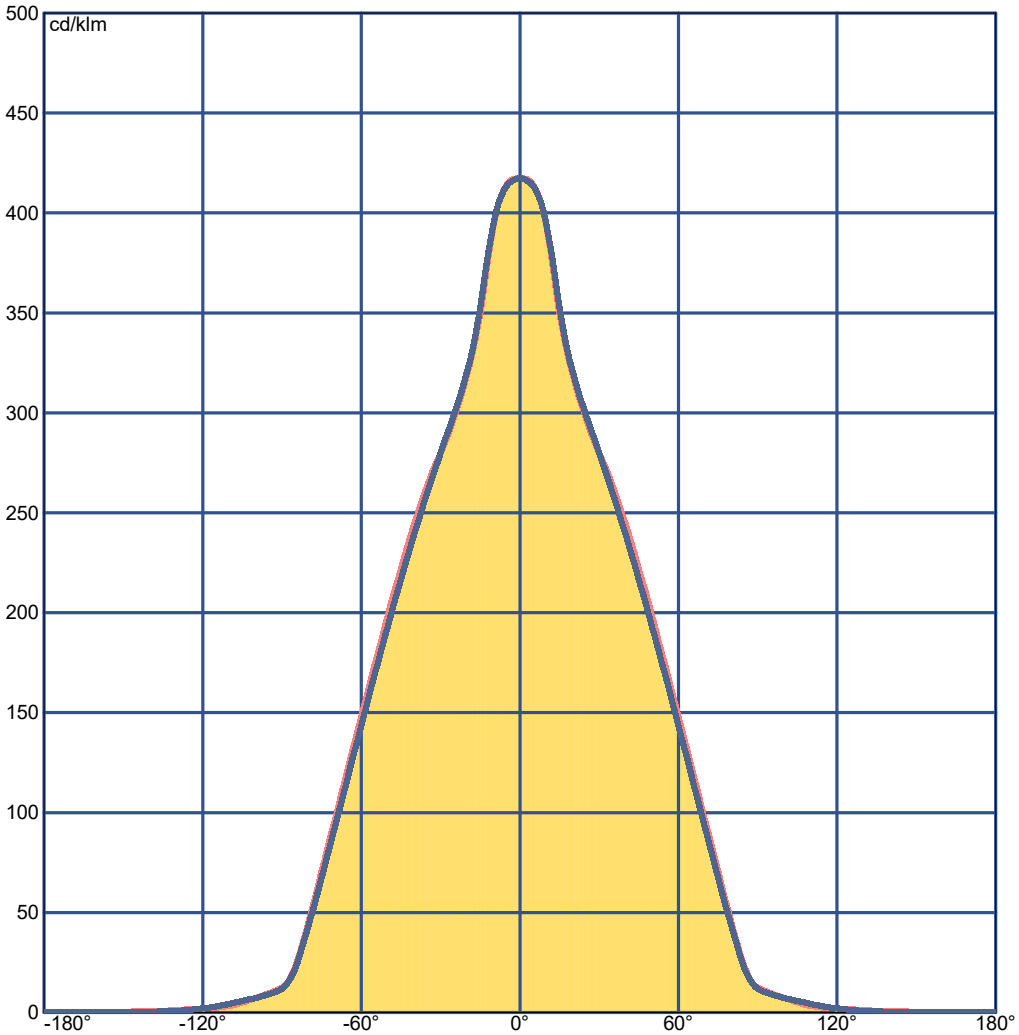
Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=633.91 Flujo Luminaria=633.91

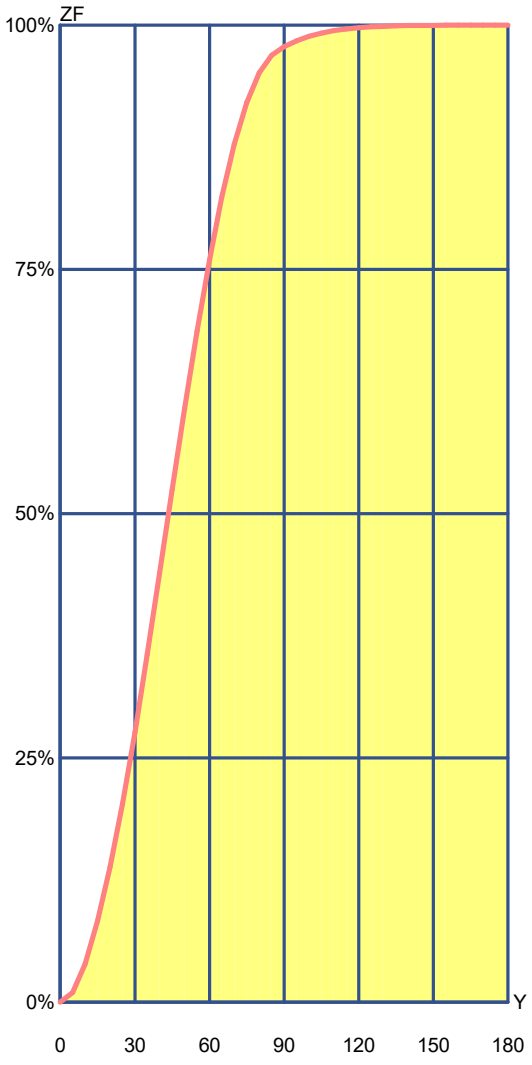
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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	440	608	760	878	951	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	2.19802 %
F UTE	0.98 E + 0.02 T	DLOR	97.80198 %
B NBN	BZ 4 / 1 / BZ 5	UFF	2.19802 %
RN	2.19802 %	DFF	97.80198 %
BLF	1.0	FFR	2.24741 %



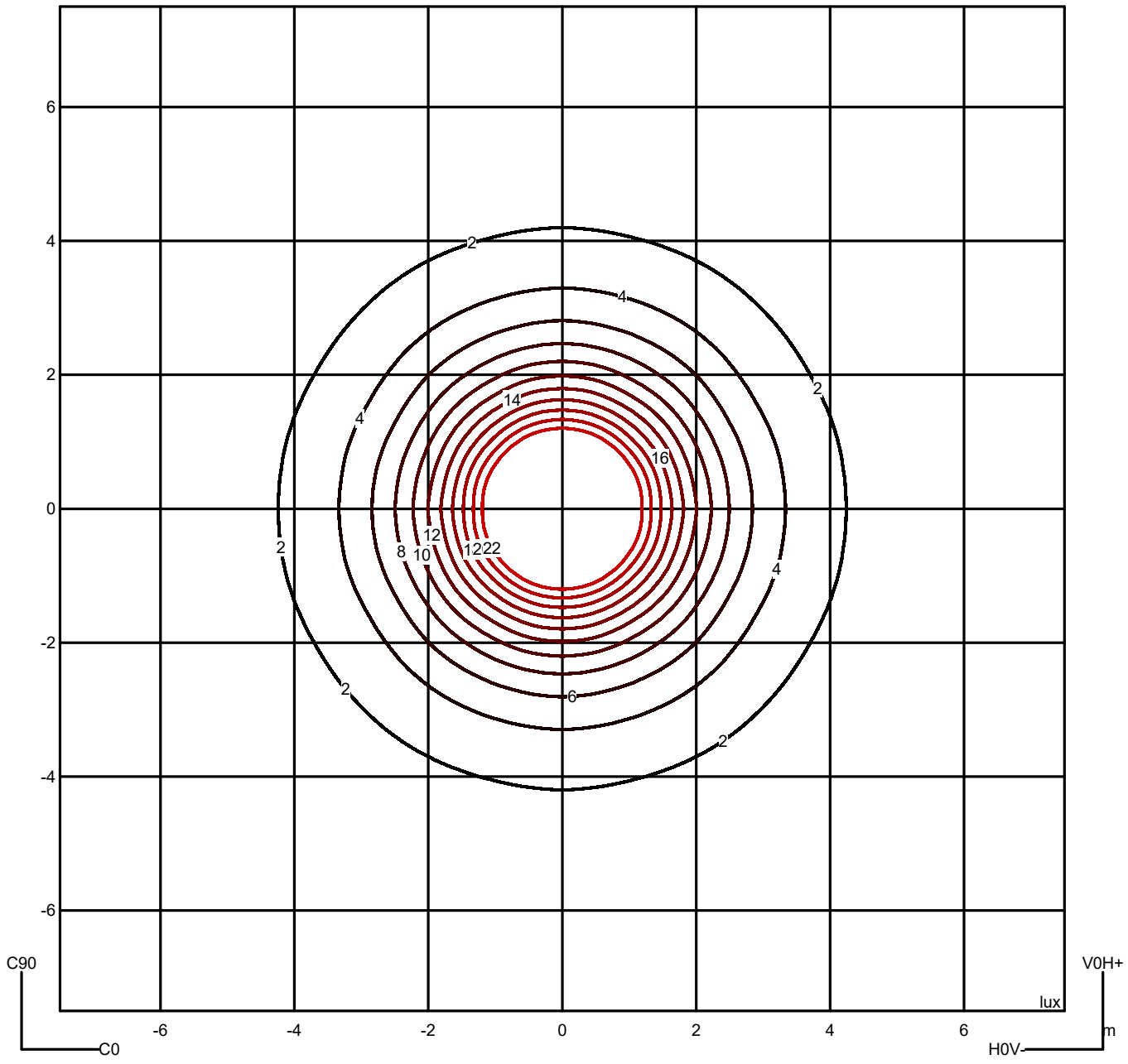
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.94	9.94	0.99 %	0.99 %
10°	28.96	38.90	2.90 %	3.89 %
15°	44.17	83.08	4.42 %	8.31 %
20°	55.11	138.19	5.51 %	13.82 %
25°	64.79	202.98	6.48 %	20.30 %
30°	73.24	276.22	7.32 %	27.62 %
35°	79.72	355.94	7.97 %	35.59 %
40°	83.62	439.56	8.36 %	43.96 %
45°	84.85	524.41	8.49 %	52.44 %
50°	83.37	607.79	8.34 %	60.78 %
55°	79.22	687.01	7.92 %	68.70 %
60°	72.80	759.81	7.28 %	75.98 %
65°	64.32	824.12	6.43 %	82.41 %
70°	54.07	878.20	5.41 %	87.82 %
75°	42.57	920.77	4.26 %	92.08 %
80°	30.26	951.03	3.03 %	95.10 %
85°	17.99	969.02	1.80 %	96.90 %
90°	9.00	978.02	0.90 %	97.80 %
95°	5.89	983.91	0.59 %	98.39 %
100°	4.54	988.44	0.45 %	98.84 %
105°	3.37	991.82	0.34 %	99.18 %
110°	2.43	994.24	0.24 %	99.42 %
115°	1.75	995.99	0.17 %	99.60 %
120°	1.26	997.25	0.13 %	99.72 %
125°	0.88	998.13	0.09 %	99.81 %
130°	0.61	998.74	0.06 %	99.87 %
135°	0.41	999.15	0.04 %	99.92 %
140°	0.28	999.43	0.03 %	99.94 %
145°	0.18	999.61	0.02 %	99.96 %
150°	0.11	999.72	0.01 %	99.97 %
155°	0.08	999.80	0.01 %	99.98 %
160°	0.07	999.87	0.01 %	99.99 %
165°	0.06	999.92	0.01 %	99.99 %
170°	0.04	999.97	0.00 %	100.00 %
175°	0.03	999.99	0.00 %	100.00 %
180°	0.01	1000.00	0.00 %	100.00 %

Luminaire
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Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	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 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.479638	y =0.407853
CIE1960	u =0.276649	v =0.352867
CIE1976	u'=0.276649	v'=0.529300
D(u,v)	0.00213	

Color rendering index (CRI)
Color Rendering Components

CCT = [2425 K]*

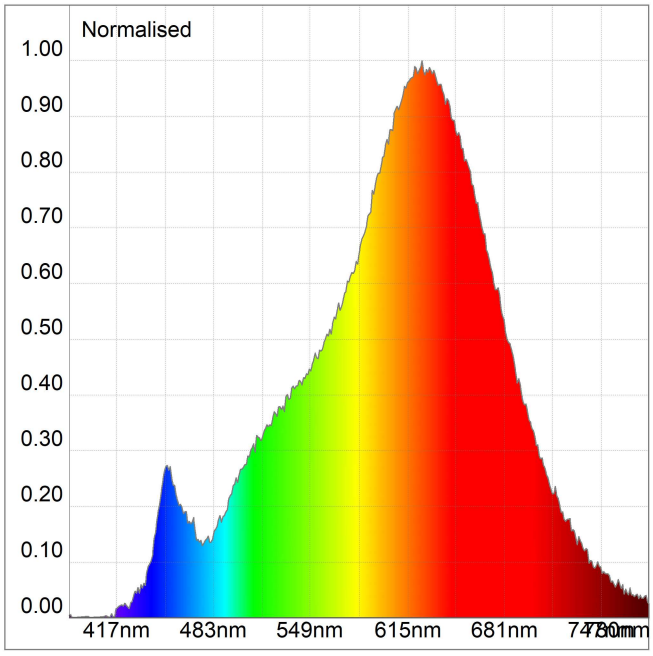
CRI8(Ra) [93.8]* CRI15(Rav) [92.4]*

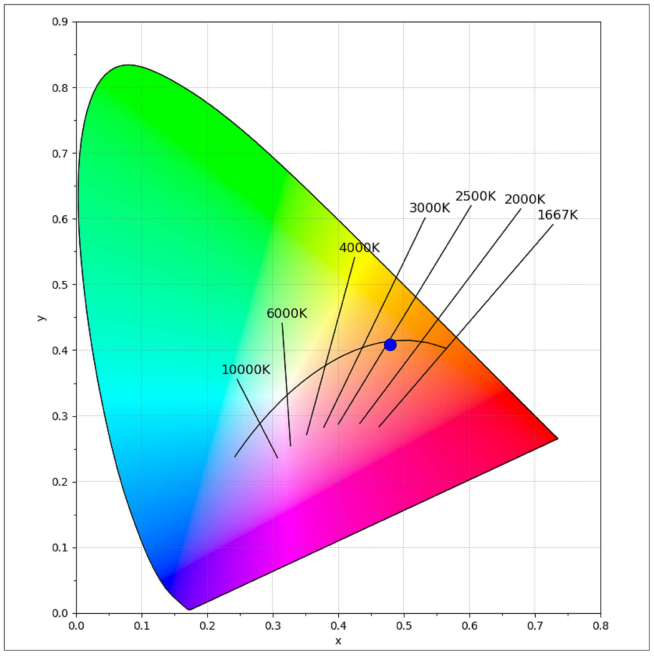
R 1: 95.5	R 2: 99.0	R 3: 97.5	R 4: 95.2	R 5: 96.3
R 6: 96.0	R 7: 89.9	R 8: 80.9	R 9: 61.9	R10: 97.6
R11: 97.4	R12: 92.1	R13: 96.9	R14: 99.4	R15: 90.5

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
384.0	0.003905	390.0	0.000715	396.0	0.002067
402.0	0.000781	408.0	0.002451	414.0	0.001593
420.0	0.023260	426.0	0.027165	432.0	0.044143
438.0	0.092190	444.0	0.176570	450.0	0.271647
456.0	0.237691	462.0	0.186757	468.0	0.171477
474.0	0.139219	480.0	0.134805	486.0	0.176570
492.0	0.193548	498.0	0.251273	504.0	0.275042
510.0	0.312394	516.0	0.324278	522.0	0.344652
528.0	0.378608	534.0	0.392190	540.0	0.415959
546.0	0.438031	552.0	0.475382	558.0	0.494058
564.0	0.529711	570.0	0.558574	576.0	0.612903
582.0	0.653650	588.0	0.721562	594.0	0.791171
600.0	0.848896	606.0	0.906621	612.0	0.938879
618.0	0.969440	624.0	0.988115	630.0	0.988115
636.0	0.955857	642.0	0.932088	648.0	0.874363
654.0	0.820034	660.0	0.775891	666.0	0.699491
672.0	0.628183	678.0	0.578947	684.0	0.494058
690.0	0.421053	696.0	0.383701	702.0	0.325976
708.0	0.273345	714.0	0.222411	720.0	0.188455
726.0	0.178268	732.0	0.146010	738.0	0.121562
744.0	0.093548	750.0	0.079457	756.0	0.060951
762.0	0.059593	768.0	0.040747	774.0	0.040407
780.0	0.024448				

Spectrum Graph

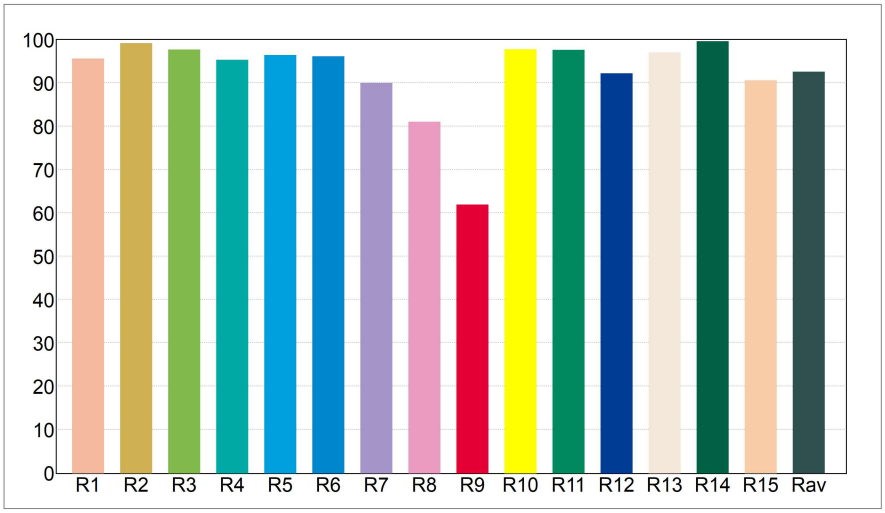


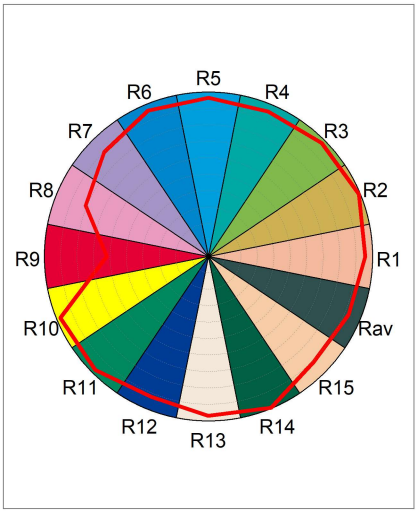


Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

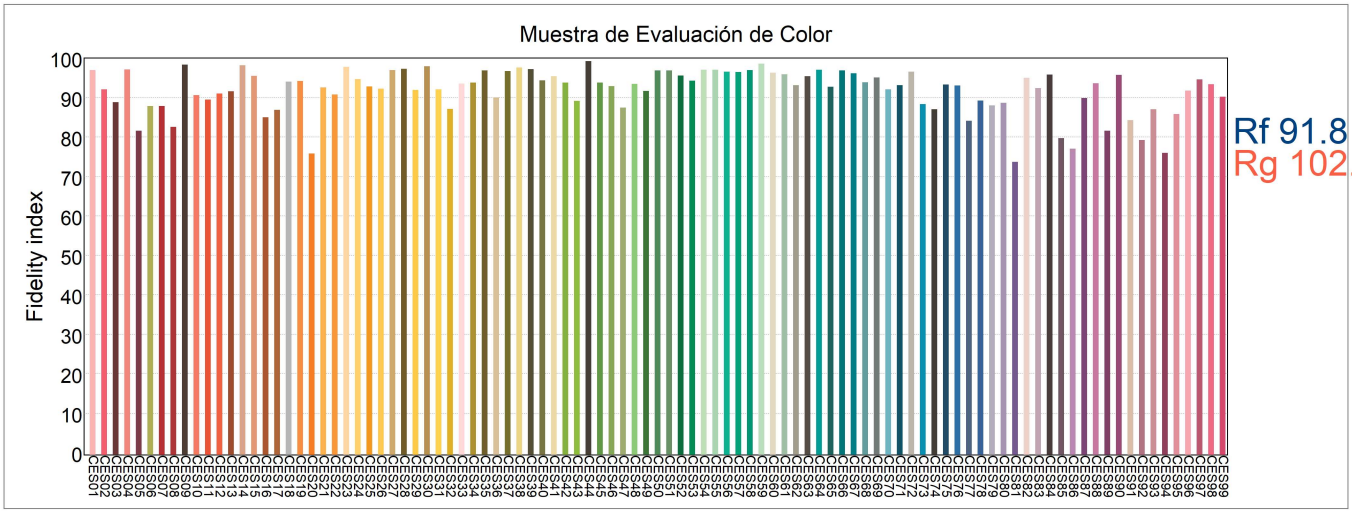
CRI Graphs



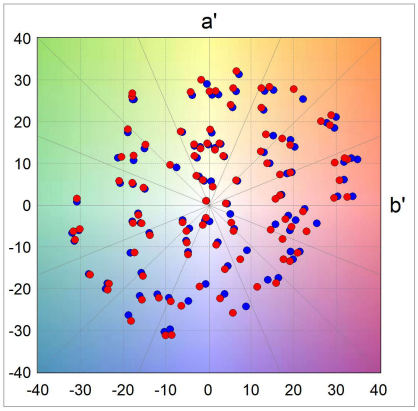


Luminaire
Code 12601038xxx
Name ARID A/01 2400
Measurem.
Code CL092A25D007GP
Name ARID A/01 2400

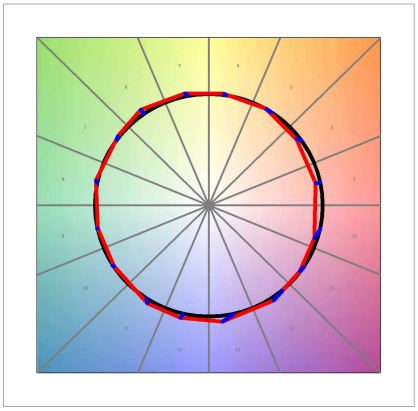
Luminaire Flux	634 lm	Luminaire Power	11.0 W	Efficacy	57.628 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	417.45 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical



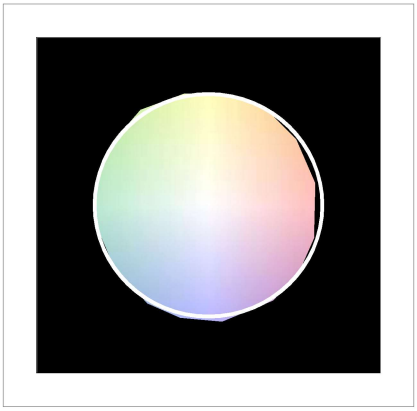
Chromatic Coordinates (a', b') 99 CES



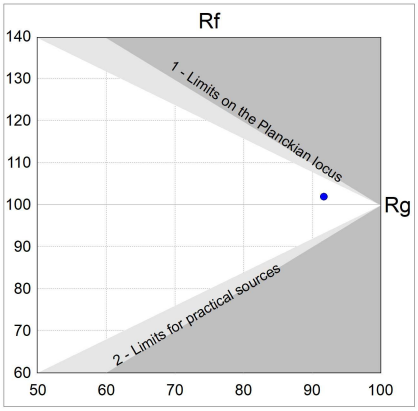
Color Vector Graphic



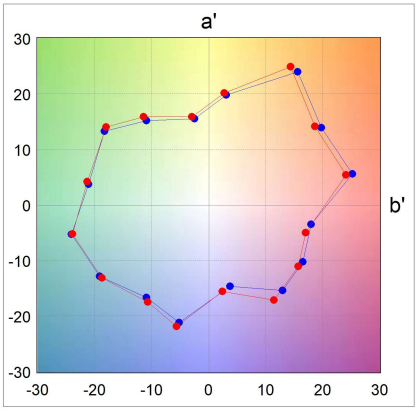
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

