Luminaire

Code	12601038xxx
Name	ARID A/01 2700
Line	

Measurem.

Code	CL092A25D006GP
Name	ARID A/01 2700

Source Data

Code	2700K CRI90 3-step	Correlated Color Temperature (CCT)	2735K	Q.ty	1
Name	Cree JB2835BWT-G-U27EA0000 (20x) Codigo: 9018175	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	17-03-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	673.5 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

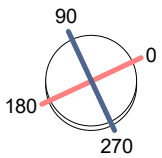
Round Luminaire	Diam.	140 mm	Height	20 mm	
Round Luminous Area	Diam.	130 mm	Height	0 mm	
Horizontal Luminous Area		0.013273 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at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

Photometric Assessment

Luminaire Flux	673.5 lm	Source Flux	673.5 lm
Efficacy	59.081 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

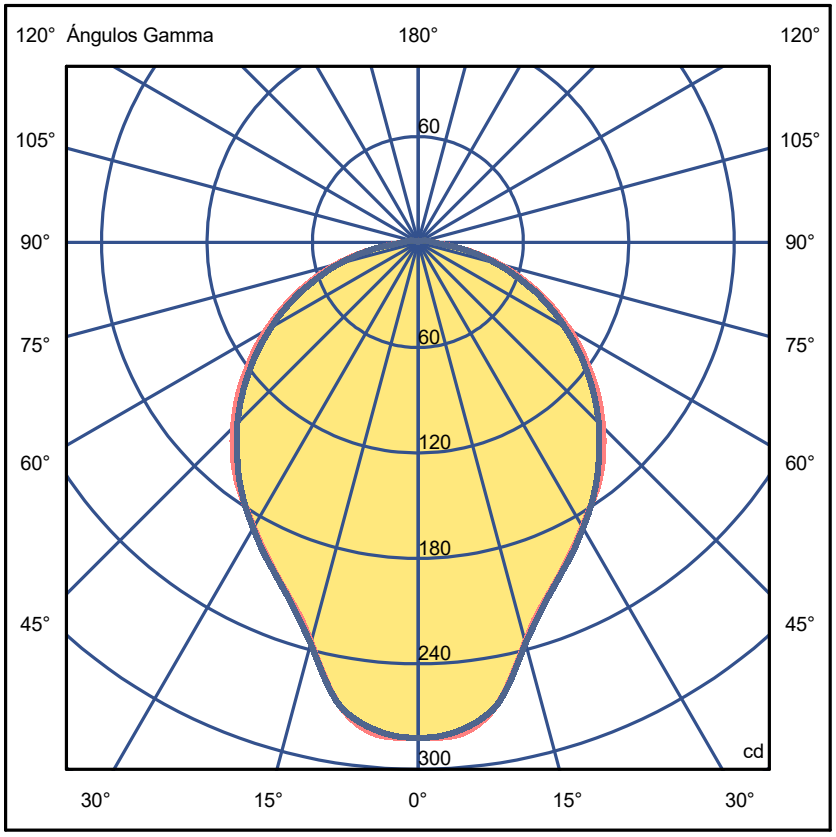


Diam=140mm





ULOR 2.24 %
DLOR 97.76 %
RN 2.24 %



Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

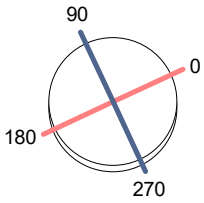
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	282	282	282	282	282	282	282
G 2.5	282	282	282	282	282	282	281
G 5.0	281	281	280	280	279	279	279
G 7.5	275	276	275	275	274	274	274
G 10.0	266	265	266	265	265	266	266
G 12.5	251	251	251	251	250	251	251
G 15.0	236	236	237	236	236	236	236
G 17.5	223	224	224	225	224	225	225
G 20.0	215	214	215	216	215	216	216
G 22.5	207	207	208	208	208	208	208
G 25.0	200	201	201	201	201	201	201
G 27.5	194	195	196	195	194	195	195
G 30.0	187	190	190	189	188	188	188
G 32.5	181	183	184	183	181	182	181
G 35.0	175	176	177	176	174	175	175
G 37.5	170	169	170	170	167	168	168
G 40.0	163	161	163	163	160	161	160
G 42.5	156	154	156	155	153	153	153
G 45.0	149	147	148	148	146	145	145
G 47.5	141	139	140	140	139	137	137
G 50.0	133	132	131	132	131	129	129
G 52.5	125	124	123	123	123	120	121
G 55.0	116	116	114	115	114	112	113
G 57.5	108	108	106	107	106	104	105
G 60.0	100	99	97	98	98	96	96
G 62.5	91	91	89	89	89	87	88
G 65.0	82	82	80	81	80	79	79
G 67.5	74	74	72	72	72	70	71
G 70.0	65	65	63	63	63	62	62
G 72.5	56	56	55	55	55	54	54
G 75.0	48	48	47	47	47	46	45
G 77.5	39	39	39	38	38	38	37
G 80.0	30	31	30	30	30	30	29
G 82.5	22	23	23	22	23	22	22
G 85.0	15	16	16	15	15	15	15
G 87.5	11	11	10	10	10	10	10
G 90.0	9	8	8	8	8	8	8
G 92.5	7	7	7	7	7	7	7
G 95.0	7	7	6	6	6	6	7
G 97.5	6	6	6	6	6	6	6
G100.0	5	5	5	5	5	5	5
G102.5	4	4	4	4	4	4	5
G105.0	4	3	4	4	4	3	4
G107.5	3	3	3	3	3	3	3
G110.0	2	2	3	3	3	2	3
G112.5	2	2	2	3	3	2	2
G115.0	2	2	2	2	2	2	2
G117.5	2	2	2	2	2	1	2
G120.0	1	1	2	2	2	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	1	1
G132.5	1	1	1	1	1	0	0
G135.0	1	1	1	1	0	0	0
G137.5	0	1	1	1	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 A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

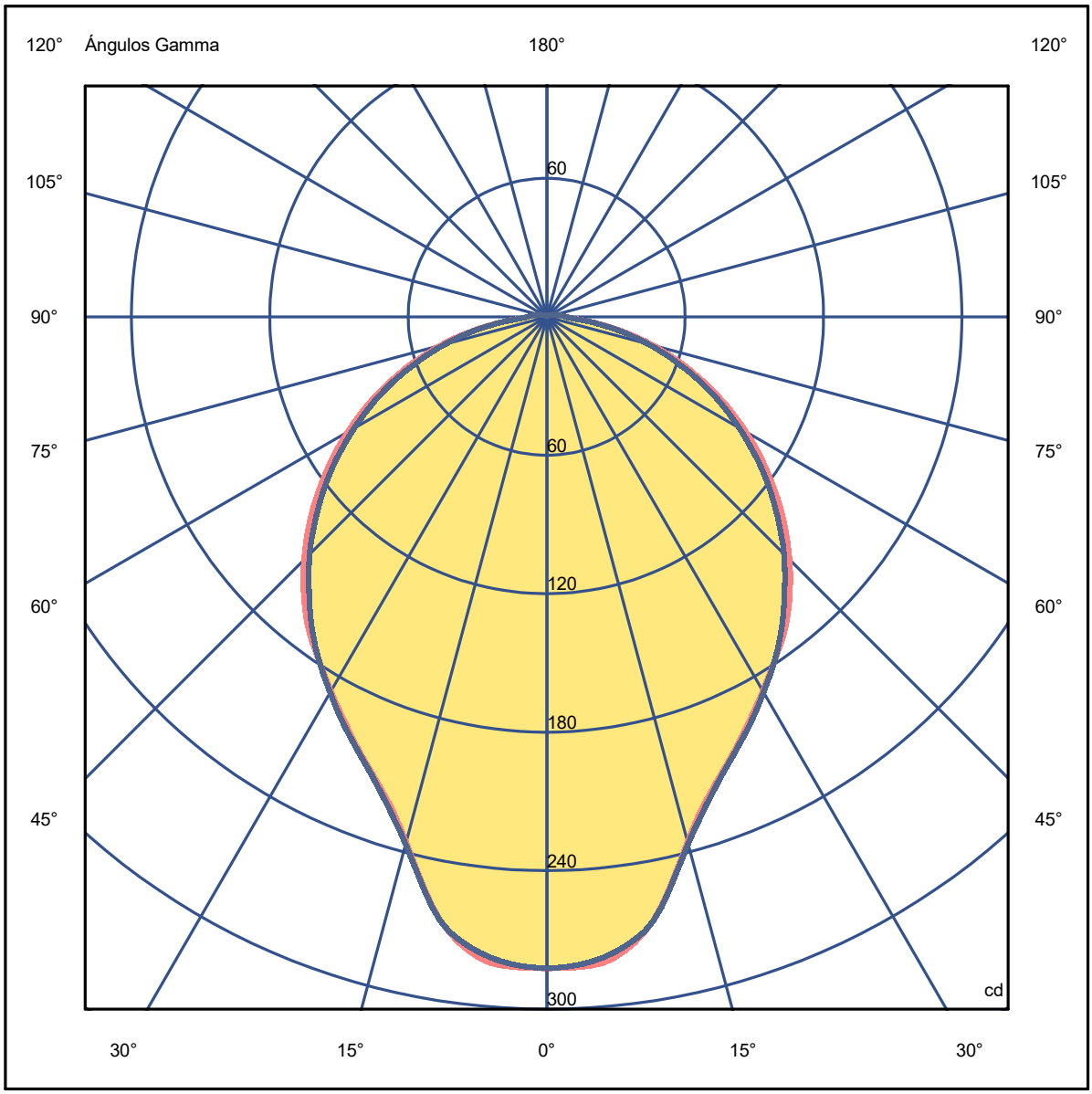
Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%	
Source Flux	674 lm	Maximum value	282.30 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	21.9	23.2	22.2	23.5	23.7	21.7	23.0	22.1	23.3	23.6
x=2H y=3H	23.6	24.8	23.9	25.1	25.4	23.4	24.6	23.7	24.9	25.2
x=2H y=4H	24.3	25.4	24.7	25.8	26.1	24.1	25.2	24.5	25.5	25.9
x=2H y=6H	24.9	25.9	25.3	26.3	26.6	24.7	25.7	25.1	26.0	26.4
x=2H y=8H	25.1	26.1	25.5	26.4	26.8	24.9	25.9	25.3	26.2	26.6
x=2H y=12H	25.3	26.2	25.7	26.6	26.9	25.0	26.0	25.4	26.3	26.7
x=4H y=2H	22.6	23.7	22.9	24.0	24.3	22.5	23.6	22.8	23.9	24.2
x=4H y=3H	24.5	25.4	24.9	25.8	26.2	24.3	25.3	24.7	25.6	26.0
x=4H y=4H	25.3	26.2	25.8	26.6	27.0	25.2	26.0	25.6	26.4	26.8
x=4H y=6H	26.0	26.8	26.5	27.2	27.7	25.9	26.6	26.3	27.0	27.5
x=4H y=8H	26.3	27.0	26.8	27.4	27.9	26.1	26.8	26.6	27.3	27.7
x=4H y=12H	26.5	27.2	27.0	27.6	28.1	26.4	27.0	26.8	27.4	27.9
x=8H y=4H	25.7	26.3	26.1	26.8	27.3	25.5	26.2	26.0	26.6	27.1
x=8H y=6H	26.5	27.1	27.0	27.6	28.1	26.4	27.0	26.9	27.4	27.9
x=8H y=8H	26.9	27.4	27.4	27.9	28.4	26.8	27.3	27.3	27.7	28.3
x=8H y=12H	27.2	27.7	27.8	28.2	28.7	27.1	27.5	27.6	28.0	28.6
x=12H y=4H	25.7	26.3	26.2	26.8	27.3	25.6	26.2	26.0	26.6	27.1
x=12H y=6H	26.6	27.1	27.1	27.6	28.1	26.5	27.0	27.0	27.5	28.0
x=12H y=8H	27.1	27.5	27.6	28.0	28.5	26.9	27.3	27.4	27.9	28.4

Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

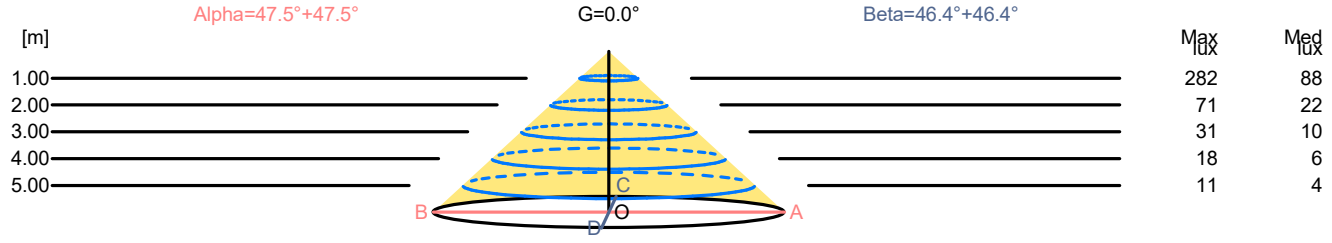
Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

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	282.29	280.93	235.53	200.29	175.47	148.82	116.48	82.38	47.56	15.28
OB	282.29	280.93	235.53	200.29	175.47	148.82	116.48	82.38	47.56	15.28
OC	282.29	278.69	236.48	201.14	174.70	145.41	113.22	79.38	45.42	14.58
OD	282.29	278.69	236.48	201.14	174.70	145.41	113.22	79.38	45.42	14.58



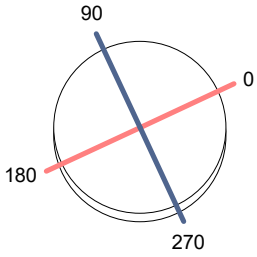
H[m]	D[m]	Max lux	Med lux	Alpha=47.5°+47.5° G=0.0
1.00	2.18	282	88	
2.00	4.36	71	22	
3.00	6.55	31	10	
4.00	8.73	18	6	
5.00	10.91	11	4	

H[m]	D[m]	Max lux	Med lux	Beta=46.4°+46.4° G=0.0
1.00	2.10	282	88	
2.00	4.19	71	22	
3.00	6.29	31	10	
4.00	8.39	18	6	
5.00	10.48	11	4	

Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

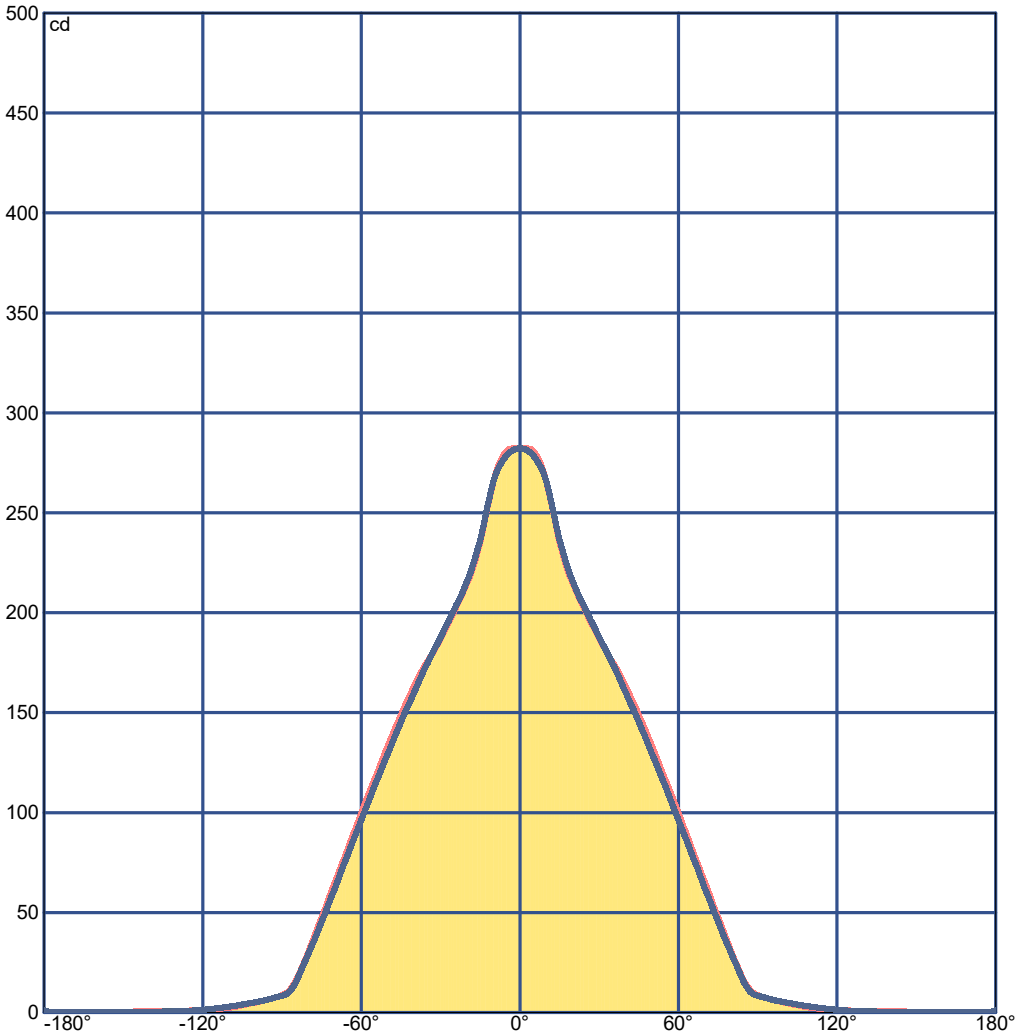
Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Flujo Total=673.53 Flujo Luminaria=673.53

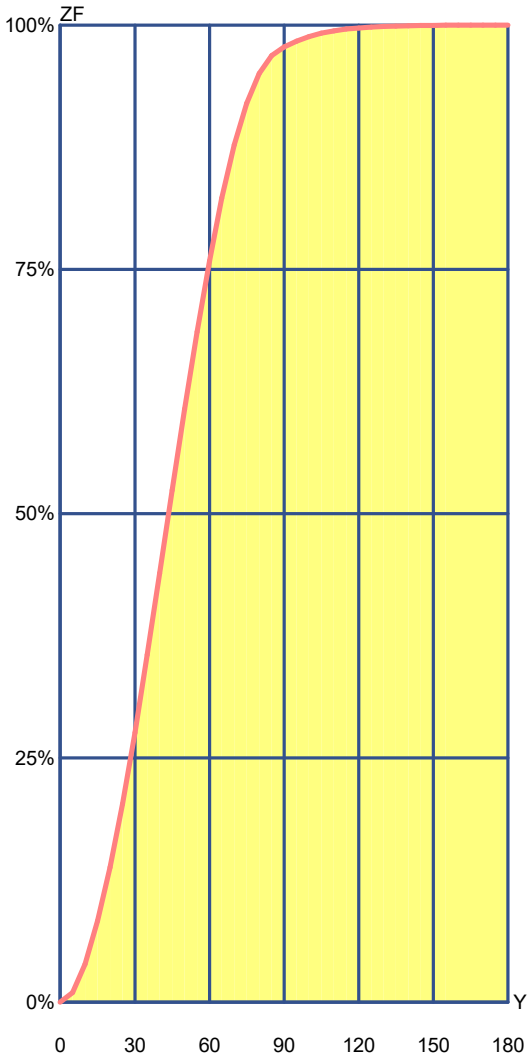
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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 %



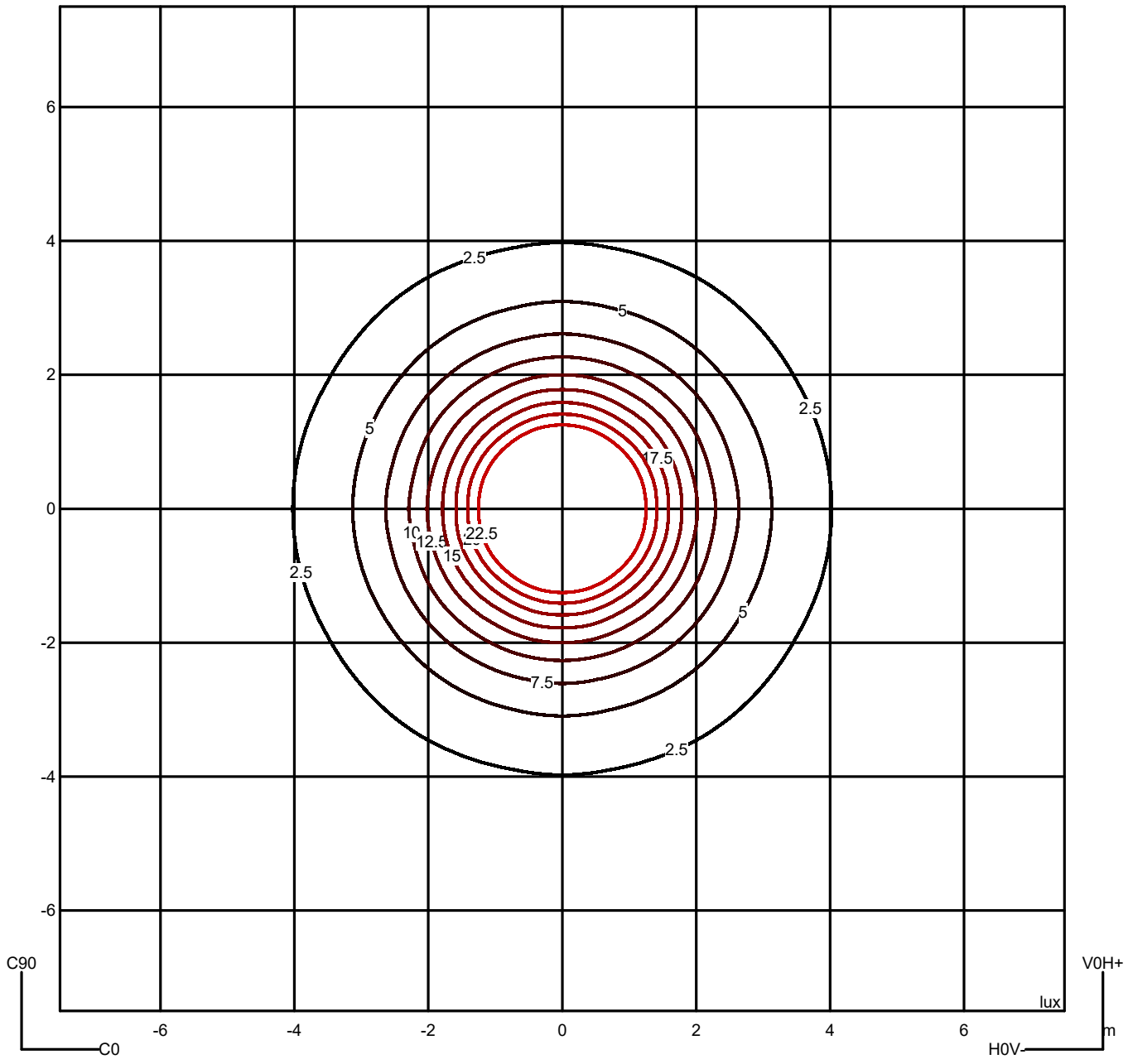
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.98	9.98	1.00 %	1.00 %
10°	29.01	39.00	2.90 %	3.90 %
15°	44.06	83.06	4.41 %	8.31 %
20°	54.98	138.04	5.50 %	13.80 %
25°	64.68	202.71	6.47 %	20.27 %
30°	73.15	275.86	7.31 %	27.59 %
35°	79.61	355.46	7.96 %	35.55 %
40°	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 %

Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 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
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.456388	y =0.408784
CIE1960	u =0.261068	v =0.350756
CIE1976	u'=0.261068	v'=0.526133
D(u,v)	0.00037	

Color rendering index (CRI)
Color Rendering Components

CCT = [2735 K]*

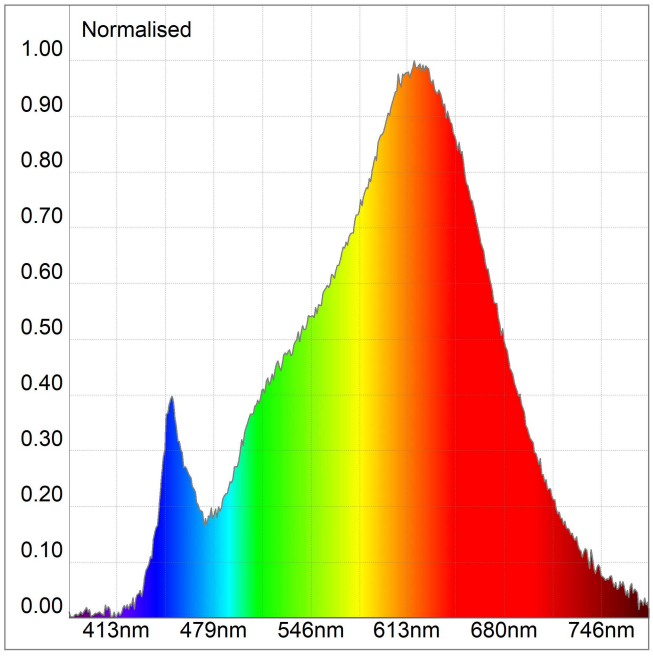
CRI8(Ra) [92.7]* CRI15(Rav) [90.1]*

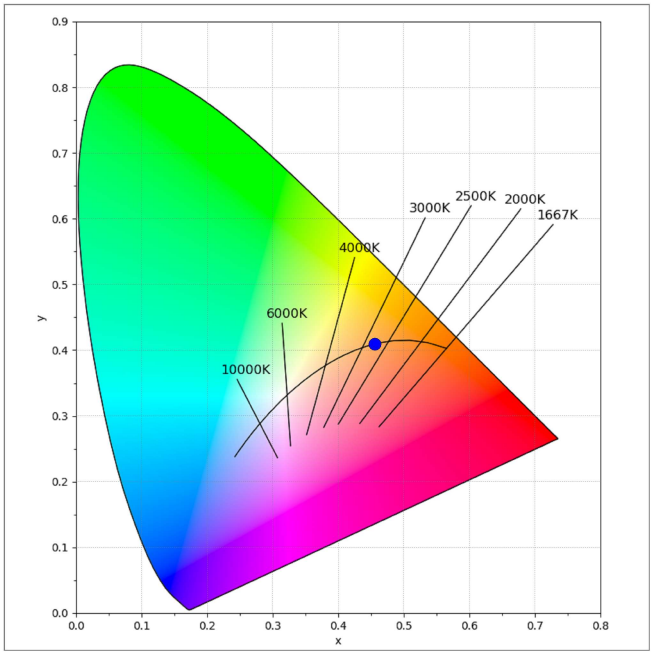
R 1: 93.0	R 2: 96.8	R 3: 98.9	R 4: 93.3	R 5: 93.1
R 6: 96.7	R 7: 90.7	R 8: 79.4	R 9: 55.2	R10: 92.0
R11: 95.0	R12: 85.5	R13: 94.1	R14: 99.0	R15: 88.1

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.010072	386.0	0.003562	392.0	0.018264
398.0	0.008391	404.0	0.004250	410.0	0.002116
416.0	0.007812	422.0	0.024955	428.0	0.042857
434.0	0.090054	440.0	0.162568	446.0	0.301989
452.0	0.386980	458.0	0.296564	464.0	0.251356
470.0	0.193490	476.0	0.182640	482.0	0.179204
488.0	0.222423	494.0	0.271248	500.0	0.309222
506.0	0.365280	512.0	0.394213	518.0	0.417722
524.0	0.461121	530.0	0.471971	536.0	0.495479
542.0	0.517179	548.0	0.542495	554.0	0.560579
560.0	0.598553	566.0	0.632911	572.0	0.669078
578.0	0.723327	584.0	0.764919	590.0	0.815552
596.0	0.867993	602.0	0.916817	608.0	0.960217
614.0	0.980108	620.0	0.985533	626.0	0.990958
632.0	0.949367	638.0	0.918626	644.0	0.886076
650.0	0.833635	656.0	0.764919	662.0	0.699819
668.0	0.625678	674.0	0.564195	680.0	0.497288
686.0	0.437613	692.0	0.383363	698.0	0.321881
704.0	0.274864	710.0	0.229656	716.0	0.195298
722.0	0.173418	728.0	0.142857	734.0	0.108680
740.0	0.122604	746.0	0.090958	752.0	0.068174
758.0	0.050995	764.0	0.040687	770.0	0.051356
776.0	0.022242				

Spectrum Graph

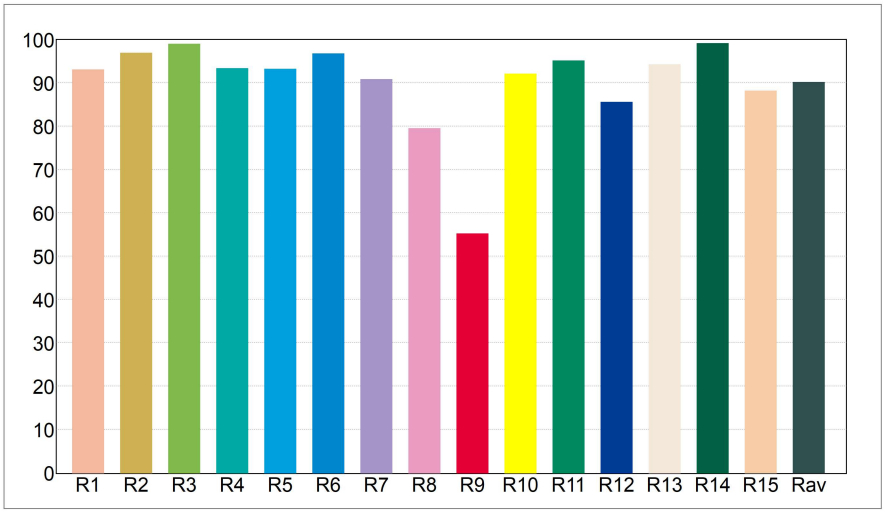


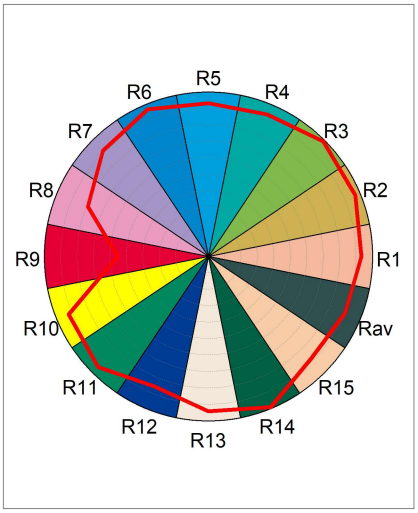


Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

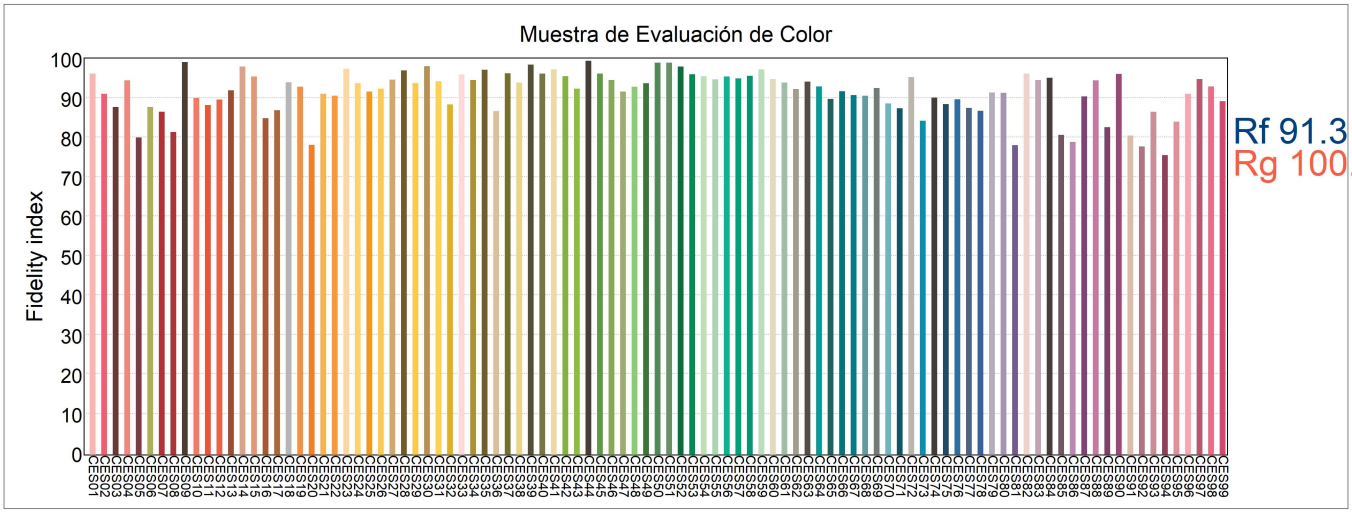
CRI Graphs



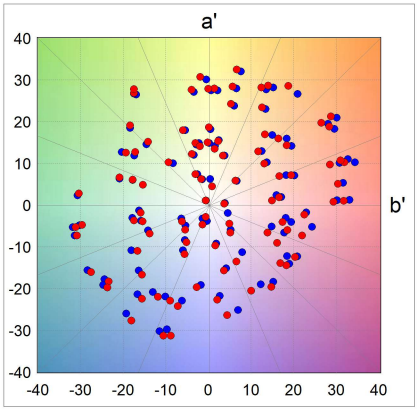


Luminaire
Code 12601038xxx
Name ARID A/01 2700
Measurem.
Code CL092A25D006GP
Name ARID A/01 2700

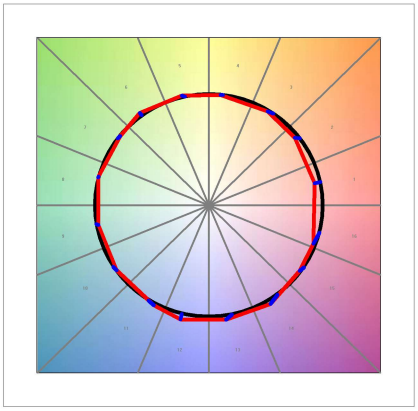
Luminaire Flux	674 lm	Luminaire Power	11.4 W	Efficacy	59.081 lm/W	Efficiency	100.00%
Source Flux	674 lm	Maximum value	282.30 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical



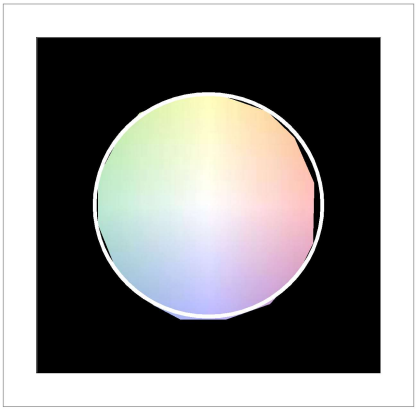
Chromatic Coordinates (a', b') 99 CES



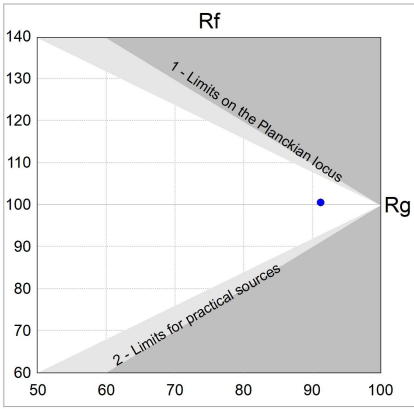
Color Vector Graphic



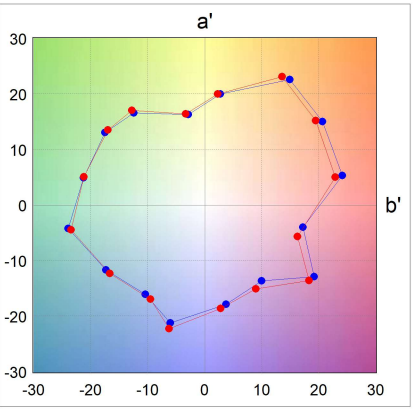
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

