Luminaire

Code	12601039xxxU
Name	ARID_A01_4000K
Line	OxyTech

Measurem.

Code	CL092A25D011GPE2
Name	ARID_A01_4000K

Source Data

Code	LED	Correlated Color Temperature (CCT)	3940K	Q.ty	1
Name	Cree	Color rendering index (CRI)	95		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	22-04-2025	Maximum Gamma Angle	90°
Measurement Distance	6.49m	Measurement Flux	944.1 lm
Maximum	454.71 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM25041101		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	10.70 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

Temperature	24.4 °C	Air Speed	0.0 m/s
Humidity	38.8 %		

Luminaire Dimensions

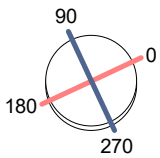
Round Luminaire	Diam.	140 mm	Height	20 mm	
Round Luminous Area	Diam.	130 mm	Height	0 mm	
Horizontal Luminous Area		0.013273 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at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

Photometric Assessment

Luminaire Flux	944.1 lm	Source Flux	944.1 lm
Efficacy	88.235 lm/W	Efficiency	100.0 %
CIE Flux Codes	49 79 95 100 100	D DIN 5040	A30
F UTE	1.00 E	B NBN	BZ 4

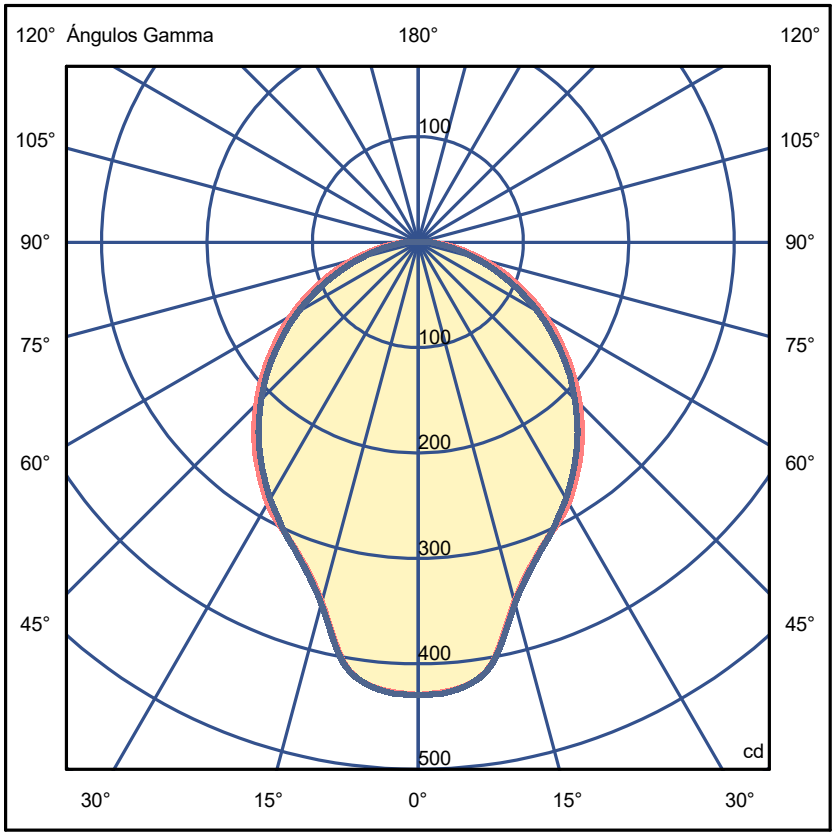


Diam=140mm





ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaire
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Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

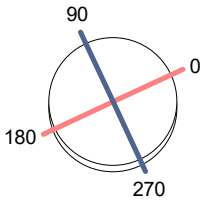
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	429	429	429	429	429	429	429
G 2.5	428	428	428	428	429	429	429
G 5.0	425	425	425	425	425	426	426
G 7.5	419	419	419	419	419	419	419
G 10.0	405	406	406	406	406	406	406
G 12.5	378	379	379	381	381	381	380
G 15.0	353	353	355	357	357	356	355
G 17.5	335	336	338	338	339	338	337
G 20.0	321	322	324	325	325	325	323
G 22.5	311	311	312	313	313	313	312
G 25.0	302	301	301	302	302	303	302
G 27.5	295	291	290	291	292	292	291
G 30.0	285	281	279	281	281	282	281
G 32.5	275	271	269	270	271	271	269
G 35.0	264	262	258	258	259	260	259
G 37.5	253	251	246	246	248	248	247
G 40.0	242	240	234	233	236	237	235
G 42.5	230	228	223	221	223	224	223
G 45.0	217	216	211	208	211	211	210
G 47.5	204	203	199	195	198	199	197
G 50.0	191	190	186	182	184	186	185
G 52.5	178	177	173	169	171	172	171
G 55.0	165	164	160	157	158	159	157
G 57.5	152	151	148	144	144	145	144
G 60.0	139	138	135	131	130	132	130
G 62.5	126	125	122	118	117	118	117
G 65.0	113	112	109	106	104	105	103
G 67.5	100	99	97	94	91	92	90
G 70.0	88	87	84	82	79	79	78
G 72.5	76	75	72	70	67	67	65
G 75.0	64	63	61	59	56	55	54
G 77.5	52	52	51	48	46	45	43
G 80.0	43	42	41	39	37	35	34
G 82.5	33	33	32	31	28	27	26
G 85.0	25	26	25	24	22	20	19
G 87.5	19	19	19	18	17	15	14
G 90.0	15	15	15	15	13	12	12

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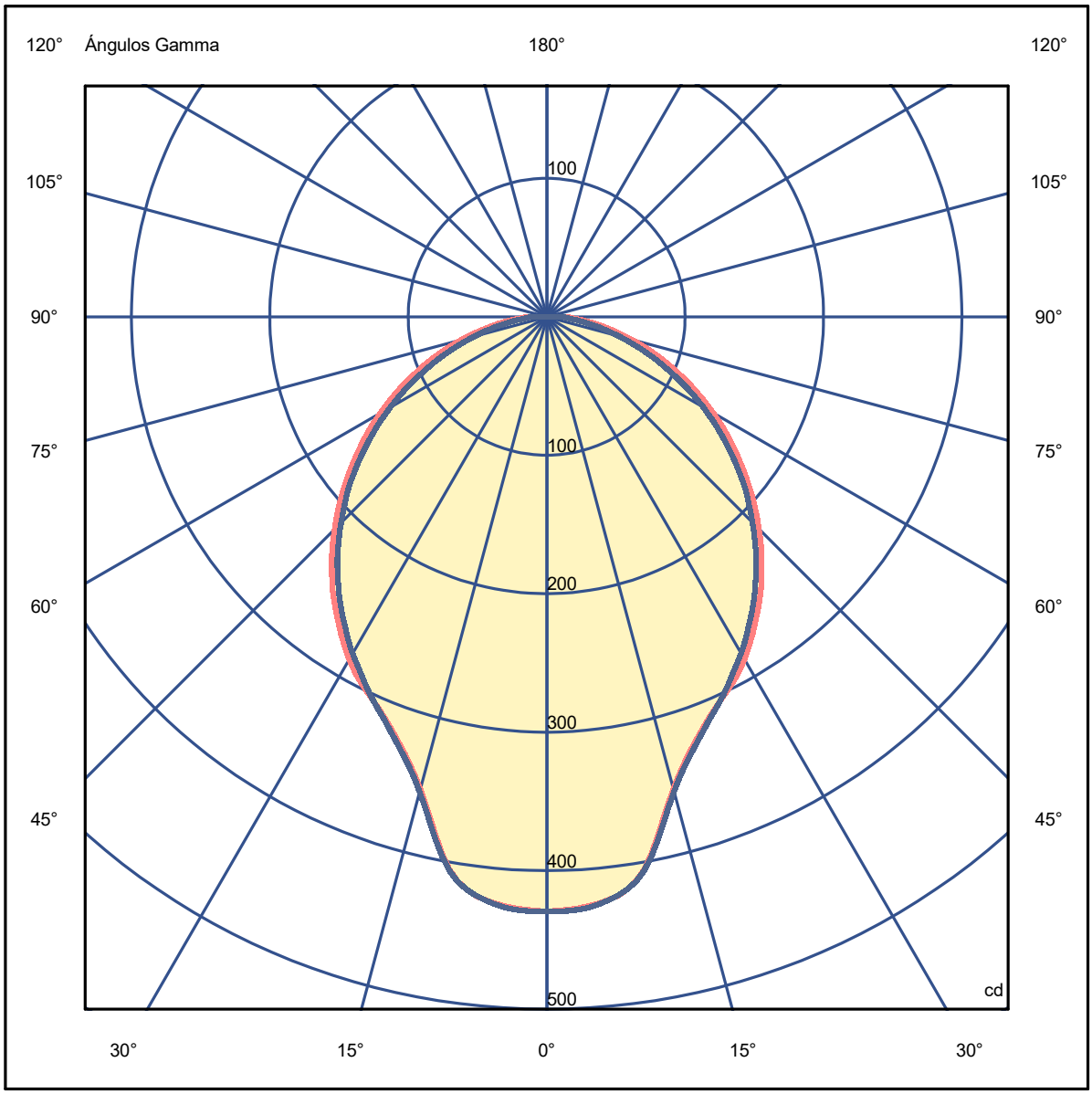
Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C





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Name ARID_A01_4000K

Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%	
Source Flux	944 lm	Maximum value	429.29 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	23.1	24.4	23.4	24.7	24.9	22.9	24.2	23.2	24.4	24.7
x=2H y=3H	24.7	25.9	25.1	26.2	26.4	24.4	25.5	24.7	25.8	26.1
x=2H y=4H	25.4	26.5	25.8	26.8	27.1	24.9	26.0	25.3	26.3	26.6
x=2H y=6H	26.0	27.0	26.3	27.3	27.6	25.4	26.4	25.7	26.7	27.0
x=2H y=8H	26.2	27.2	26.6	27.5	27.9	25.5	26.5	25.9	26.9	27.2
x=2H y=12H	26.4	27.4	26.8	27.7	28.1	25.7	26.6	26.1	27.0	27.3
x=4H y=2H	23.8	24.9	24.1	25.1	25.4	23.6	24.7	23.9	25.0	25.3
x=4H y=3H	25.5	26.5	25.9	26.8	27.2	25.2	26.1	25.6	26.5	26.8
x=4H y=4H	26.4	27.2	26.8	27.6	27.9	25.9	26.8	26.3	27.1	27.5
x=4H y=6H	27.1	27.8	27.5	28.2	28.6	26.5	27.2	26.9	27.6	28.0
x=4H y=8H	27.4	28.1	27.8	28.5	28.9	26.7	27.4	27.2	27.8	28.2
x=4H y=12H	27.7	28.3	28.2	28.8	29.2	26.9	27.6	27.4	28.0	28.4
x=8H y=4H	26.7	27.3	27.1	27.7	28.1	26.2	26.9	26.7	27.3	27.7
x=8H y=6H	27.5	28.1	28.0	28.5	29.0	27.0	27.6	27.4	28.0	28.4
x=8H y=8H	28.0	28.5	28.5	28.9	29.4	27.3	27.8	27.8	28.3	28.7
x=8H y=12H	28.4	28.9	28.9	29.3	29.8	27.6	28.1	28.1	28.5	29.0
x=12H y=4H	26.7	27.3	27.1	27.7	28.1	26.3	26.9	26.7	27.3	27.8
x=12H y=6H	27.6	28.1	28.1	28.6	29.0	27.1	27.6	27.6	28.0	28.5
x=12H y=8H	28.1	28.6	28.6	29.0	29.5	27.5	27.9	28.0	28.4	28.9

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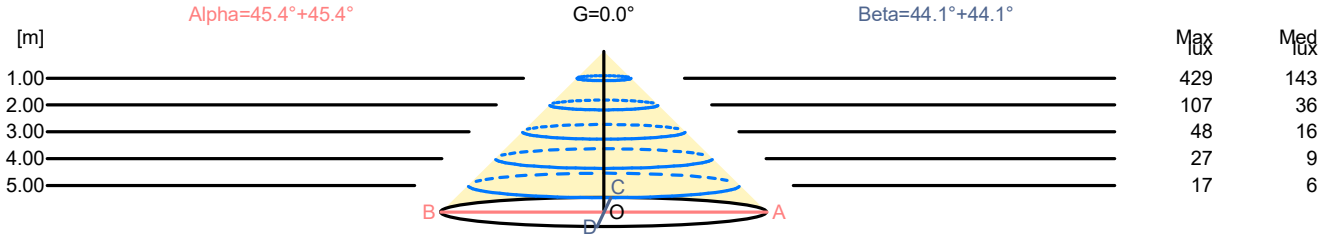
Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.01	2.03	3.04	4.06	5.07	OC	0.97	1.94	2.91	3.88	4.85
OB	1.01	2.03	3.04	4.06	5.07	OD	0.97	1.94	2.91	3.88	4.85

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	429.29	425.26	353.09	302.07	264.15	216.67	164.89	112.86	63.78	25.12
OB	429.29	425.26	353.09	302.07	264.15	216.67	164.89	112.86	63.78	25.12
OC	429.29	425.96	354.96	301.50	258.65	210.12	157.50	103.25	53.89	18.75
OD	429.29	425.96	354.96	301.50	258.65	210.12	157.50	103.25	53.89	18.75



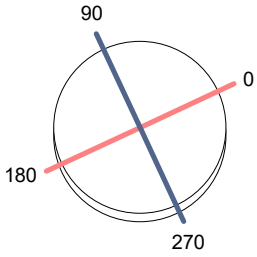
H[m]	D[m]	Max lux	Med lux	Alpha=45.4°+45.4° G=0.0
1.00	2.03	429	143	
2.00	4.06	107	36	
3.00	6.08	48	16	
4.00	8.11	27	9	
5.00	10.14	17	6	

H[m]	D[m]	Max lux	Med lux	Beta=44.1°+44.1° G=0.0
1.00	1.94	429	143	
2.00	3.88	107	36	
3.00	5.81	48	16	
4.00	7.75	27	9	
5.00	9.69	17	6	

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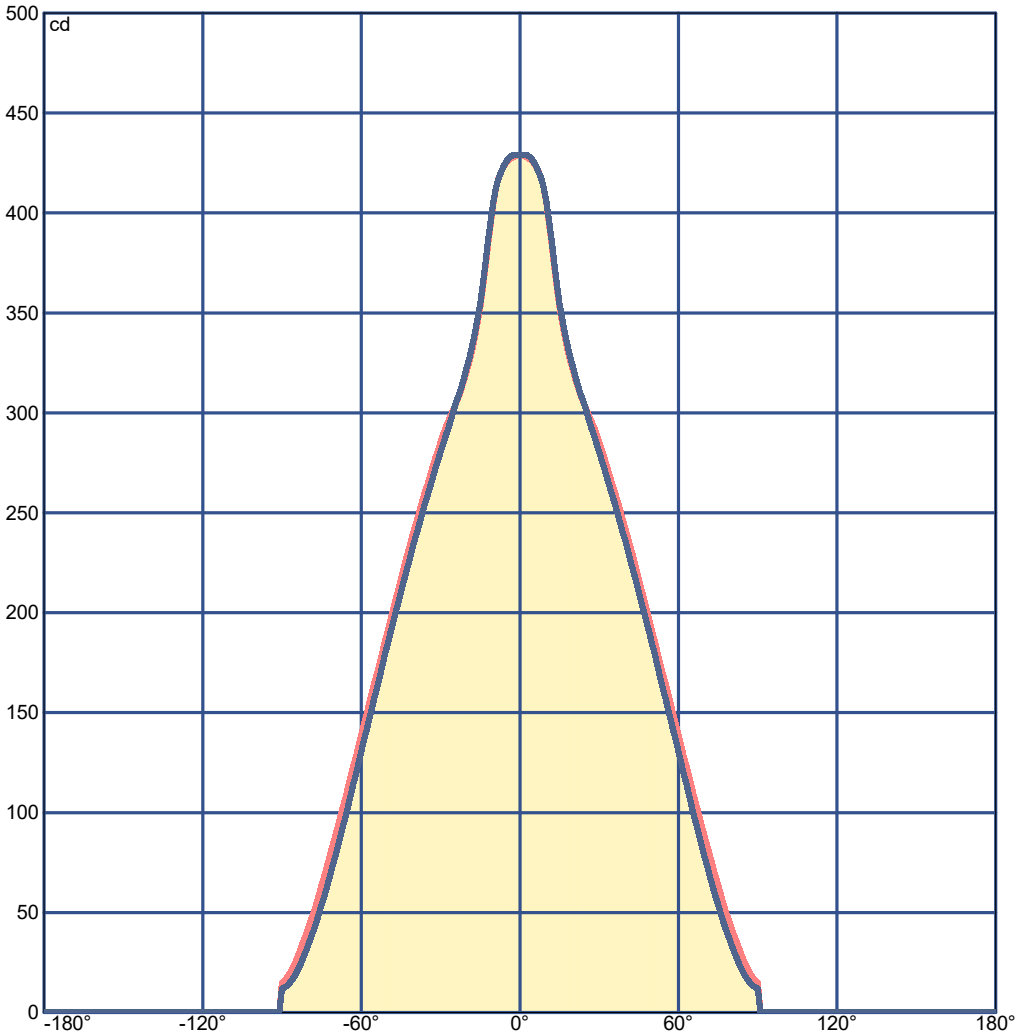
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Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C





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Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=944.11 Flujo Luminaria=944.11

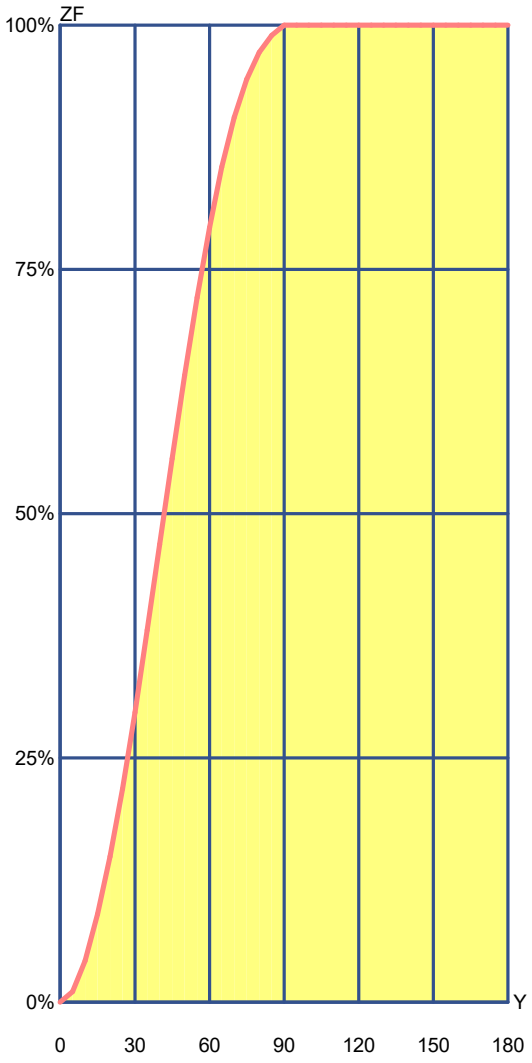
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.32	0.41	0.48	0.55	0.60	0.69	0.74	0.78	0.83	0.86	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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)	42	149	296	469	641	793	906	972	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
49 79 95 100 100

C.I.E.	5	LOR	100.00000 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 E	DLOR	100.00000 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



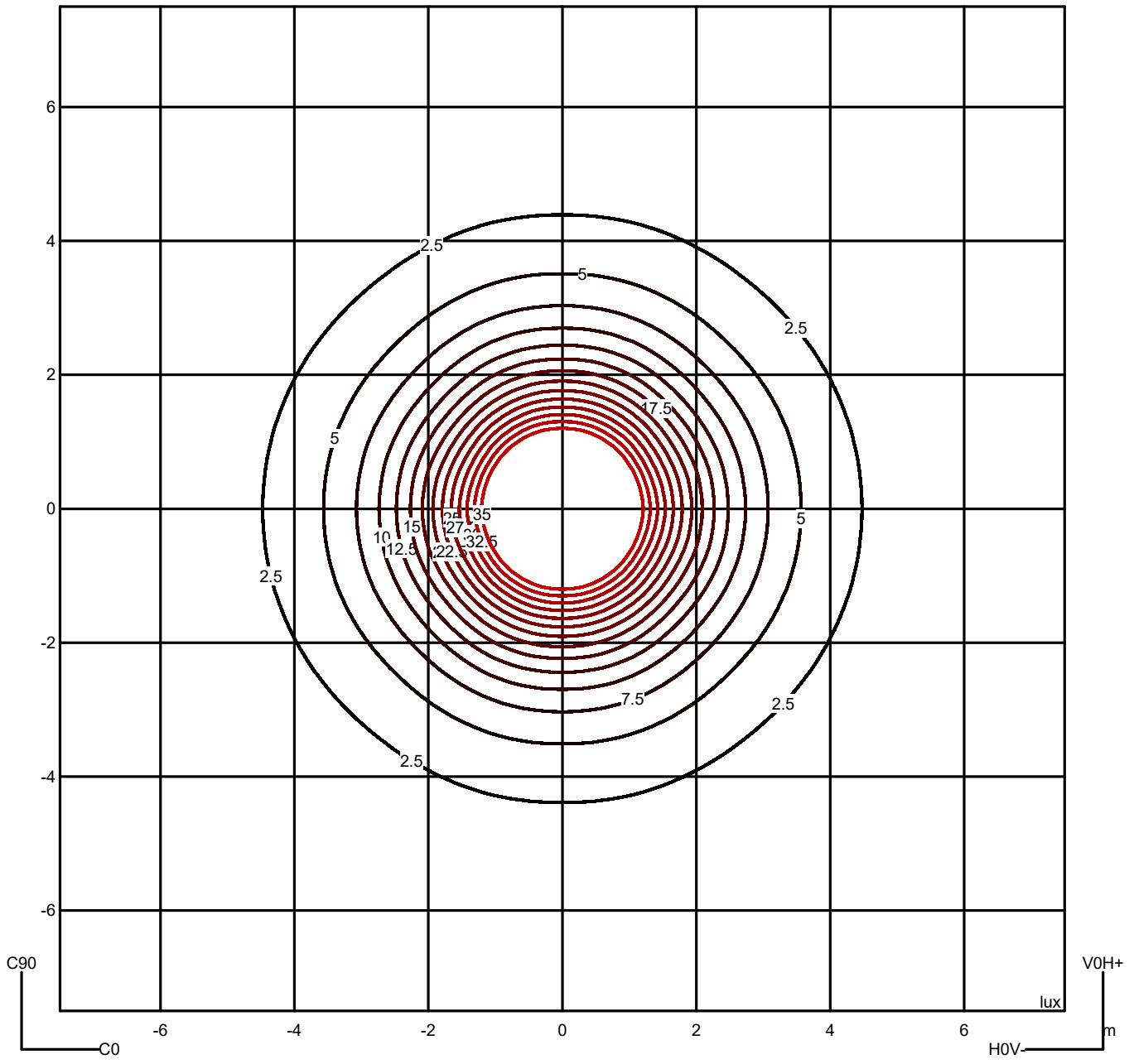
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.82	10.82	1.08 %	1.08 %
10°	31.56	42.38	3.16 %	4.24 %
15°	47.63	90.01	4.76 %	9.00 %
20°	59.00	149.01	5.90 %	14.90 %
25°	69.35	218.36	6.93 %	21.84 %
30°	78.10	296.46	7.81 %	29.65 %
35°	84.36	380.82	8.44 %	38.08 %
40°	87.70	468.52	8.77 %	46.85 %
45°	87.85	556.37	8.79 %	55.64 %
50°	85.09	641.46	8.51 %	64.15 %
55°	79.59	721.05	7.96 %	72.10 %
60°	71.75	792.80	7.17 %	79.28 %
65°	61.93	854.73	6.19 %	85.47 %
70°	50.77	905.50	5.08 %	90.55 %
75°	38.97	944.48	3.90 %	94.45 %
80°	27.52	971.99	2.75 %	97.20 %
85°	17.57	989.56	1.76 %	98.96 %
90°	10.44	1000.00	1.04 %	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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Source Flux	944 lm	Maximum value	429.29 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	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.382239	y =0.375276
CIE1960	u =0.226887	v =0.334131
CIE1976	u'=0.226887	v'=0.501197
D(u,v)	0.00121	

Color rendering index (CRI)
Color Rendering Components

CCT = [3940 K]*

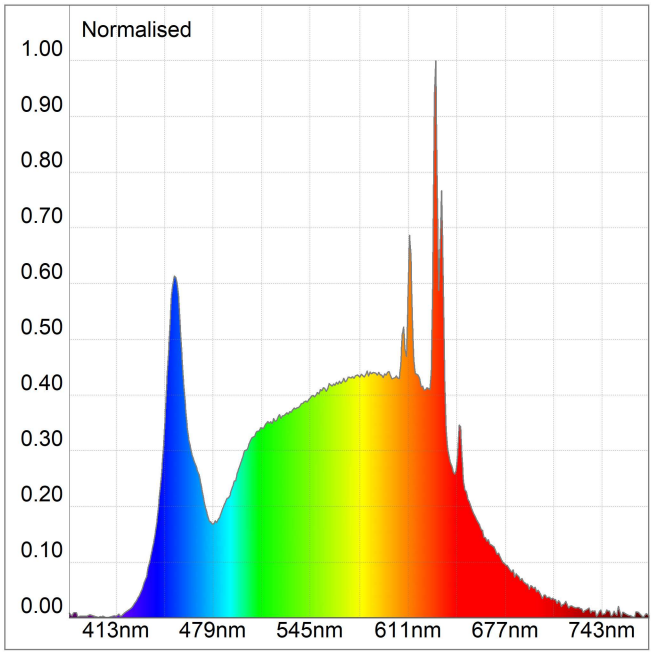
CRI8(Ra) [95.0]* CRI15(Rav) [92.3]*

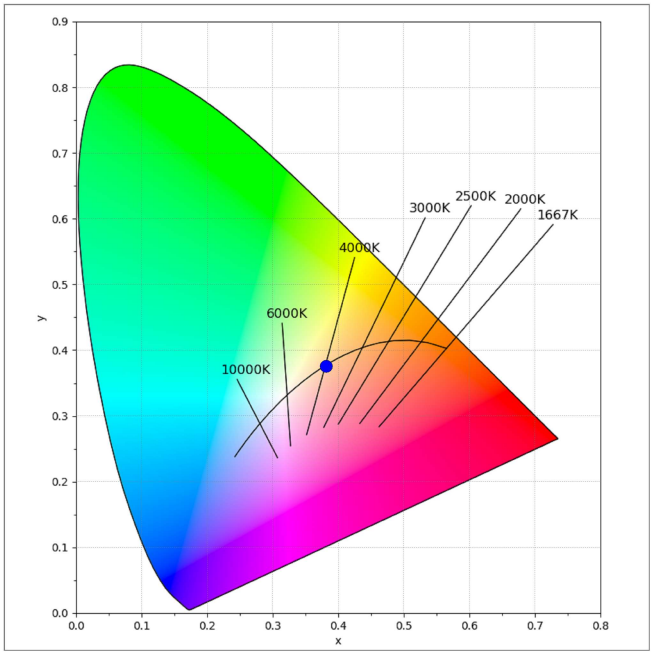
R 1: 96.3	R 2: 97.5	R 3: 96.3	R 4: 95.7	R 5: 95.2
R 6: 94.5	R 7: 94.8	R 8: 90.0	R 9: 75.0	R10: 92.2
R11: 96.1	R12: 73.3	R13: 96.8	R14: 97.3	R15: 94.1

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.008387	386.0	0.001170	392.0	0.002306
398.0	0.001962	404.0	0.001552	410.0	0.002860
416.0	0.003414	422.0	0.016286	428.0	0.039480
434.0	0.090244	440.0	0.171253	446.0	0.375384
452.0	0.613400	458.0	0.434900	464.0	0.293891
470.0	0.243276	476.0	0.172966	482.0	0.176478
488.0	0.214236	494.0	0.245890	500.0	0.299923
506.0	0.324629	512.0	0.340646	518.0	0.352067
524.0	0.364946	530.0	0.365627	536.0	0.376902
542.0	0.388993	548.0	0.396527	554.0	0.413087
560.0	0.415830	566.0	0.420848	572.0	0.431335
578.0	0.435149	584.0	0.442927	590.0	0.438856
596.0	0.438262	602.0	0.430142	608.0	0.508836
614.0	0.651421	620.0	0.429490	626.0	0.411112
632.0	0.771116	638.0	0.343967	644.0	0.257787
650.0	0.243331	656.0	0.192646	662.0	0.158453
668.0	0.131926	674.0	0.116278	680.0	0.093458
686.0	0.079000	692.0	0.062508	698.0	0.052560
704.0	0.034055	710.0	0.032785	716.0	0.027761
722.0	0.017376	728.0	0.018393	734.0	0.014036
740.0	0.012502	746.0	0.006605	752.0	0.004502
758.0	0.001300	764.0	0.003686	770.0	0.009203
776.0	0.005632				

Spectrum Graph

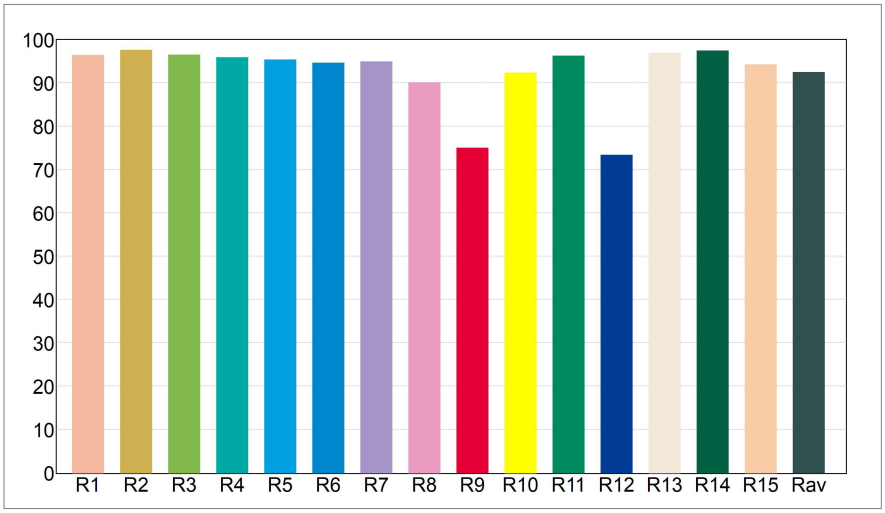


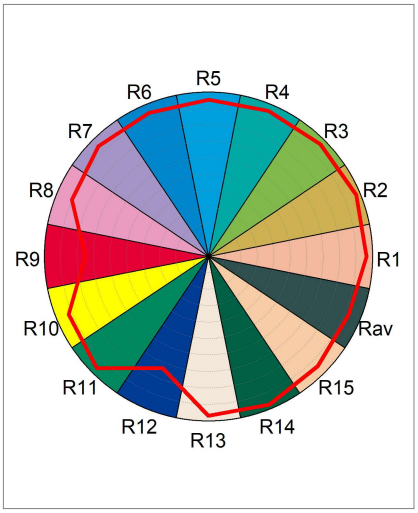


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Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
Source Flux	944 lm	Maximum value	429.29 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

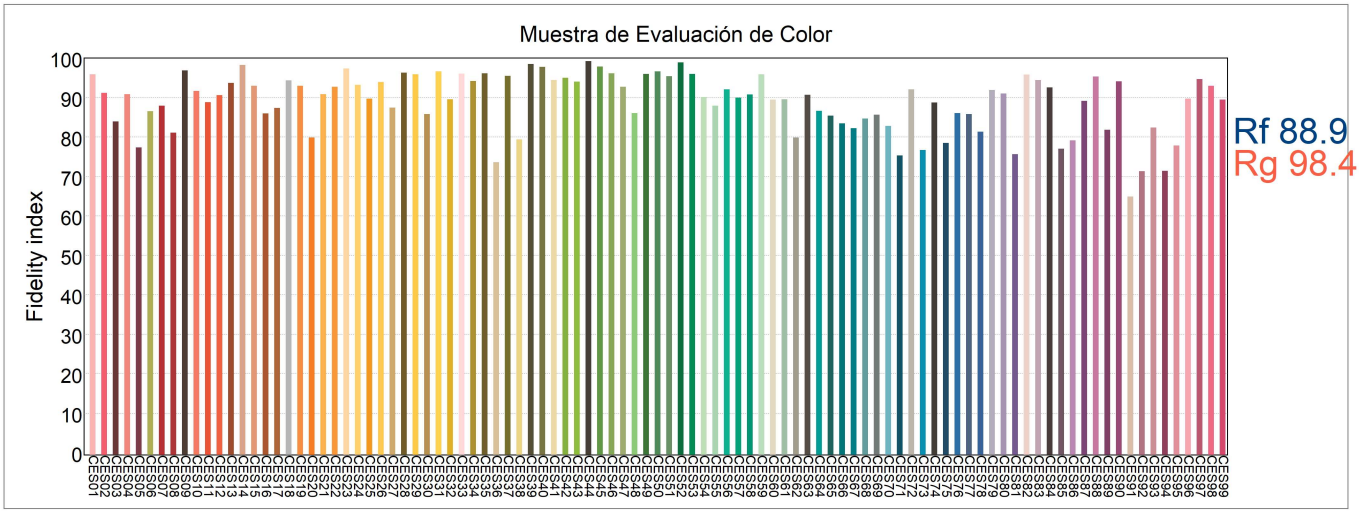
CRI Graphs



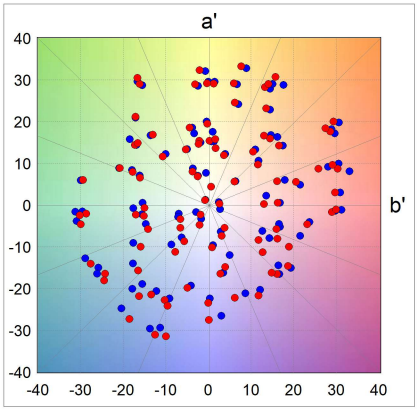


Luminaire
Code 12601039xxxU
Name ARID_A01_4000K
Measurem.
Code CL092A25D011GPE2
Name ARID_A01_4000K

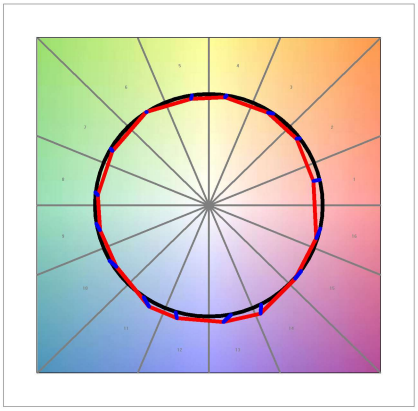
Luminaire Flux	944 lm	Luminaire Power	10.7 W	Efficacy	88.235 lm/W	Efficiency	100.00%
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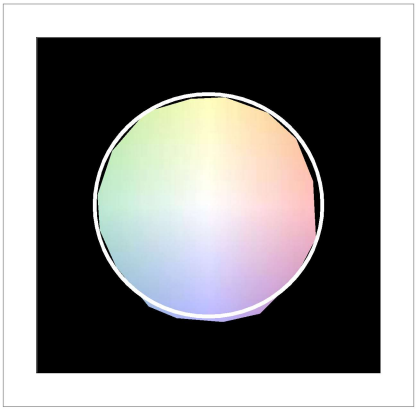
Chromatic Coordinates (a', b') 99 CES



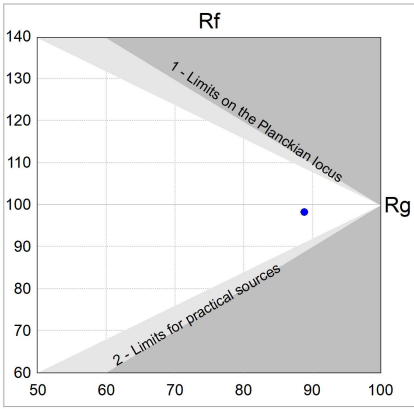
Color Vector Graphic



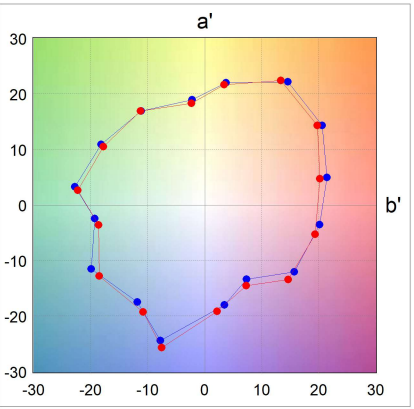
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

