Luminaire

Code	12601038xxxU
Name	ARID A/01 2400
Line	OxyTech

Measurem.

Code	CL092A25D007GPE1
Name	ARID A/01 2400

Source Data

Code	2200K CRI90 3-step JB2835BWT-G	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	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	24.9 °C	Air Speed	0.0 m/s
Humidity	30.6 %		

Luminaire Dimensions

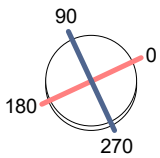
Round Luminaire	Diam.	140 mm	Height	20 mm	
Round Luminous Area	Diam.	130 mm	Height	0 mm	
Horizontal Luminous Area	0.013273 m2		Emitting area on Plane 180°	0.000000 m2	
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2	
Emitting area on Plane 90°	0.000000 m2		Glare area at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

Photometric Assessment

Luminaire Flux	633.9 lm	Source Flux	633.9 lm
Efficacy	59.244 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

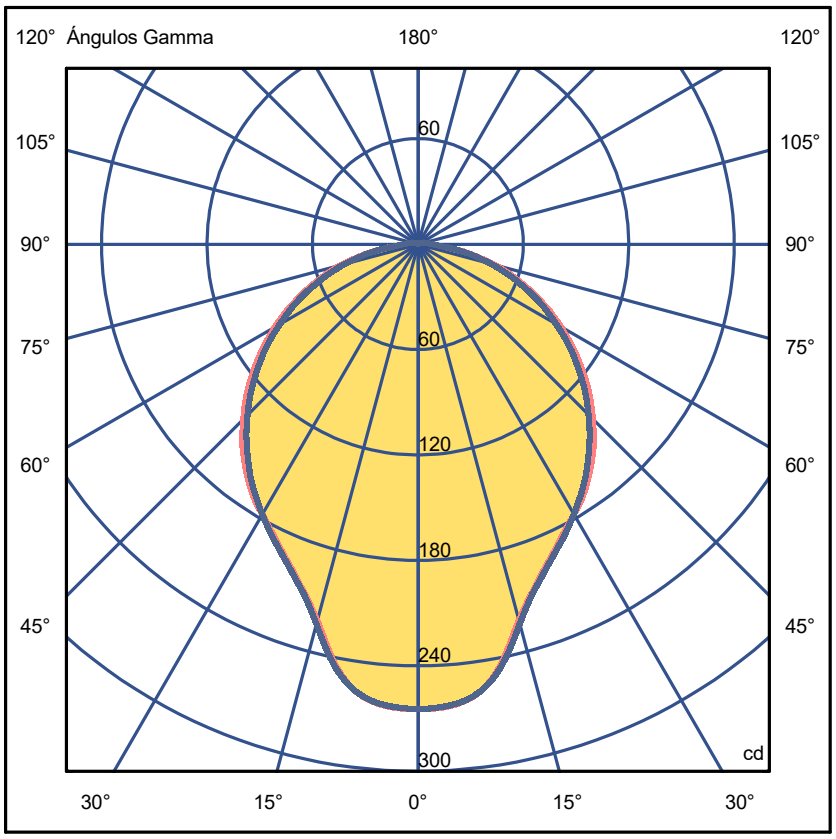


Diam=140mm





ULOR 2.20 %
DLOR 97.80 %
RN 2.20 %



Luminaire
Code 12601038xxxU
Name ARID A/01 2400
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Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

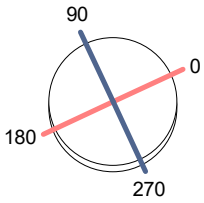
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	265	265	265	265	265	265	265
G 2.5	264	264	264	264	264	264	264
G 5.0	262	263	262	262	262	262	262
G 7.5	258	258	258	258	258	258	258
G 10.0	250	250	250	250	250	250	250
G 12.5	236	236	236	237	237	238	238
G 15.0	222	222	223	223	224	224	224
G 17.5	211	211	211	212	212	212	212
G 20.0	202	202	203	203	204	203	203
G 22.5	195	195	196	196	196	196	196
G 25.0	188	190	190	189	190	190	189
G 27.5	182	184	184	183	184	183	184
G 30.0	177	178	179	177	177	177	177
G 32.5	173	172	173	171	171	171	171
G 35.0	167	166	167	166	164	165	165
G 37.5	161	159	160	160	157	158	158
G 40.0	155	153	153	153	150	151	152
G 42.5	148	146	146	146	144	144	145
G 45.0	141	140	138	139	137	137	137
G 47.5	134	132	130	132	130	129	130
G 50.0	126	125	122	124	123	122	122
G 52.5	118	117	115	116	115	114	115
G 55.0	110	110	107	108	108	106	107
G 57.5	102	102	99	100	100	98	99
G 60.0	94	94	92	92	92	90	91
G 62.5	86	86	84	84	84	82	83
G 65.0	78	77	76	76	76	74	75
G 67.5	69	69	68	67	67	66	67
G 70.0	61	61	60	59	60	58	59
G 72.5	53	53	52	51	51	50	51
G 75.0	45	45	44	43	44	42	43
G 77.5	37	37	36	35	36	35	35
G 80.0	29	29	29	28	28	27	28
G 82.5	21	21	21	21	21	20	20
G 85.0	14	14	14	14	14	14	14
G 87.5	10	10	10	10	10	10	10
G 90.0	8	8	8	8	8	8	8
G 92.5	7	7	7	7	7	7	7
G 95.0	6	6	6	6	6	6	6
G 97.5	5	5	5	5	5	5	5
G100.0	5	4	5	5	5	5	5
G102.5	4	4	4	4	4	4	4
G105.0	3	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	2	3	2	2
G115.0	2	2	2	2	2	1	2
G117.5	1	1	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	0	0
G132.5	1	1	1	1	1	0	0
G135.0	0	1	1	1	0	0	0
G137.5	0	0	0	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	0	0	0	0	0	0	0

Luminaire
Code 12601038xxxU
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Code CL092A25D007GPE1
Name ARID A/01 2400

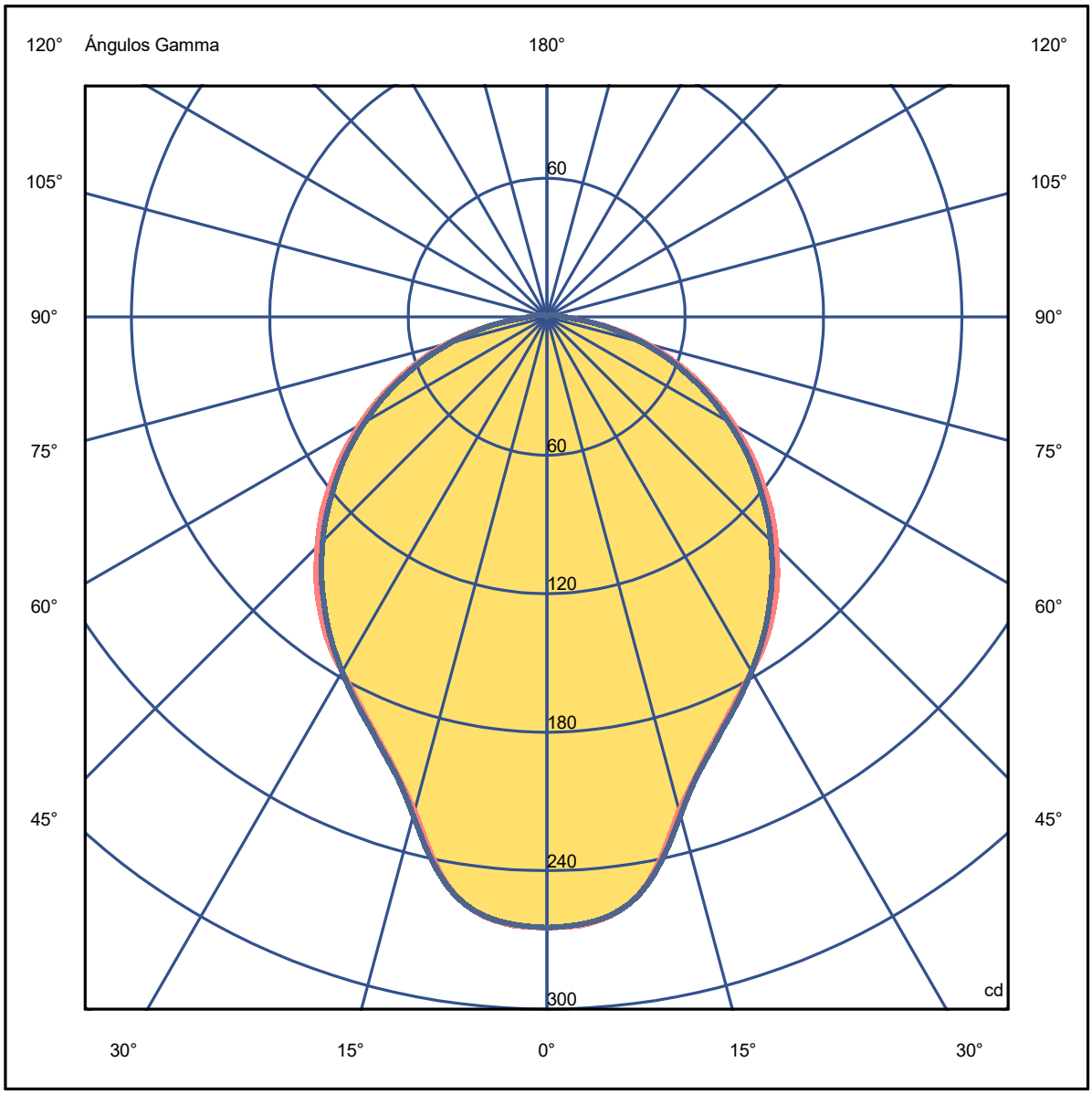
Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
Code 12601038xxxU
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Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 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	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
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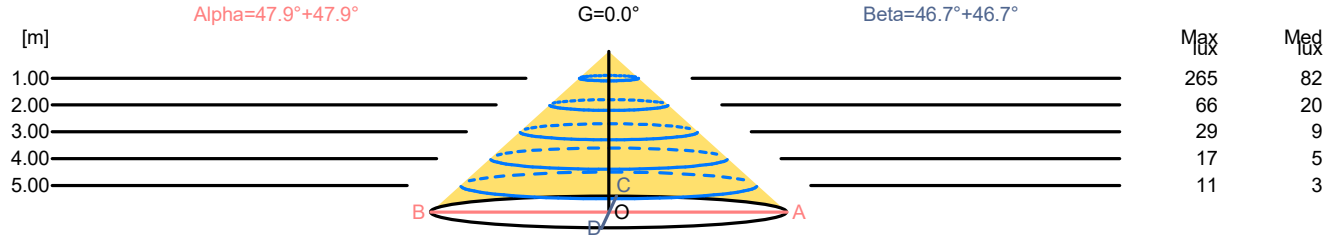
Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.11	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]

	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



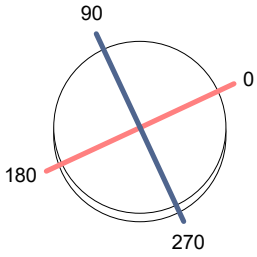
H[m]	D[m]	Max lux	Med lux	Alpha=47.9°+47.9° G=0.0
1.00	2.21	265	82	
2.00	4.43	66	20	
3.00	6.64	29	9	
4.00	8.86	17	5	
5.00	11.07	11	3	

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 12601038xxxU
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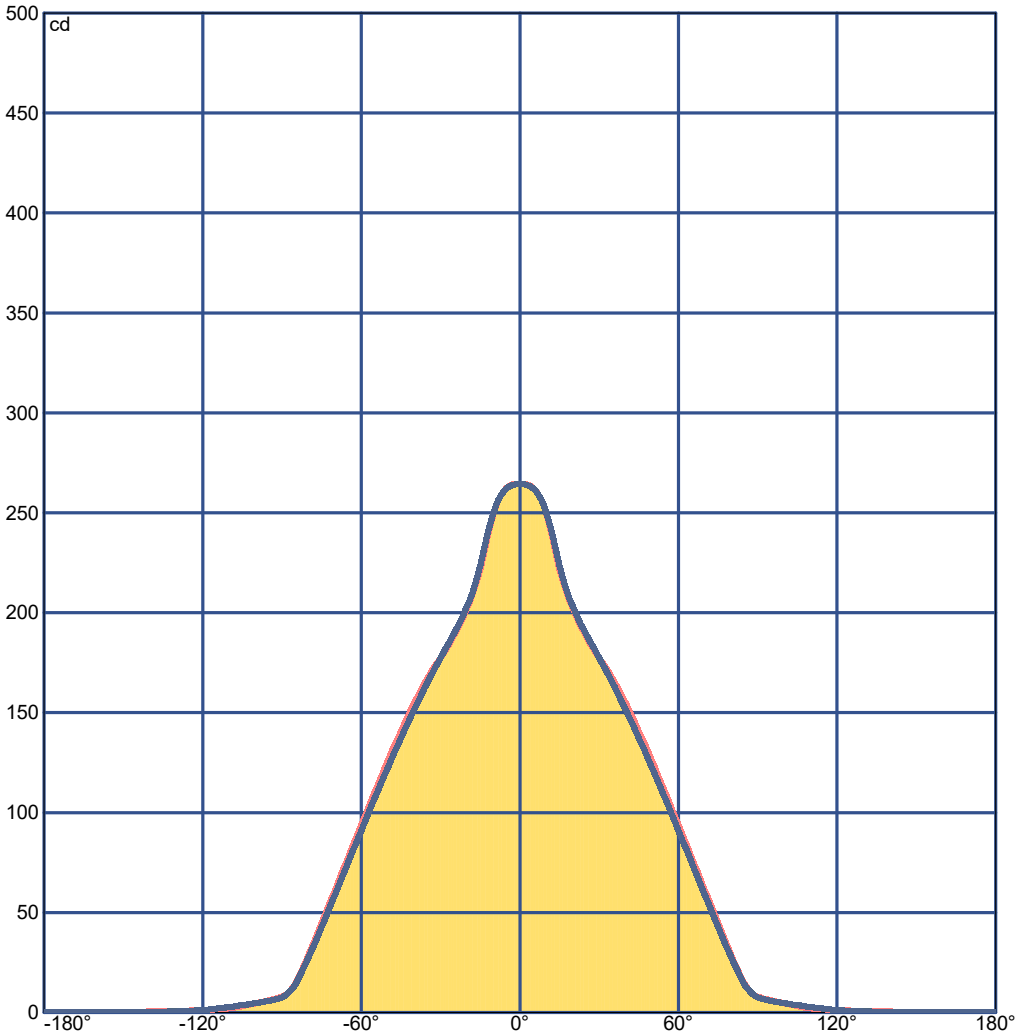
Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C





Luminaire
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Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=633.91 Flujo Luminaria=633.91

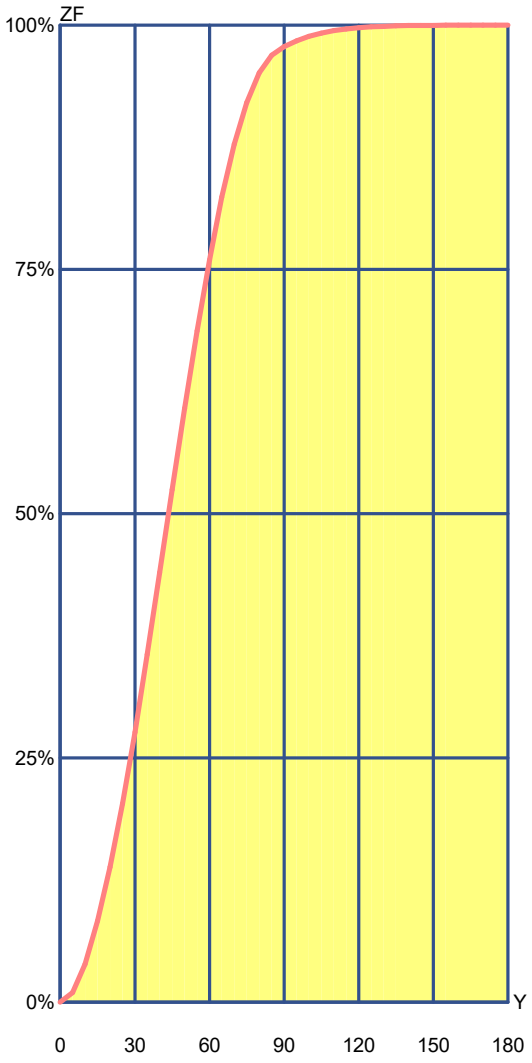
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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 %



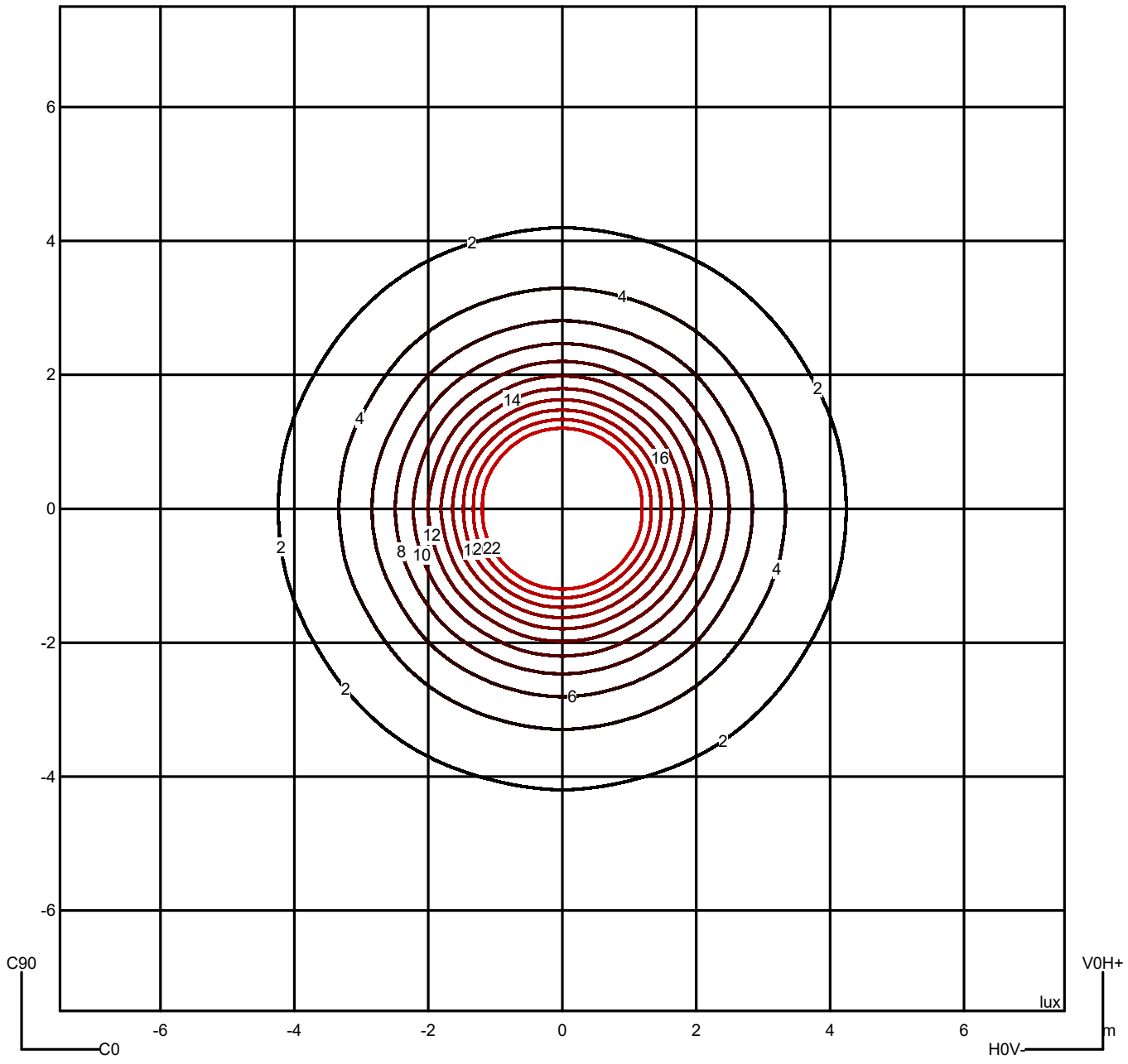
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.94	9.94	0.99 %	0.99 %
10°	28.96	38.90	2.90 %	3.89 %
15°	44.17	83.08	4.42 %	8.31 %
20°	55.11	138.19	5.51 %	13.82 %
25°	64.79	202.98	6.48 %	20.30 %
30°	73.24	276.22	7.32 %	27.62 %
35°	79.72	355.94	7.97 %	35.59 %
40°	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 %

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Source Flux	634 lm	Maximum value	264.62 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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Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	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]*

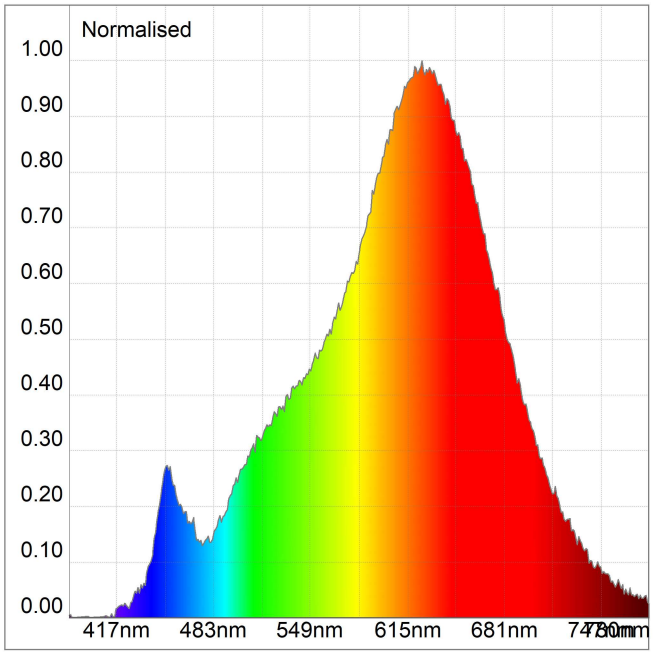
CRI8(Ra) [93.8]* CRI15(Rav) [92.4]*

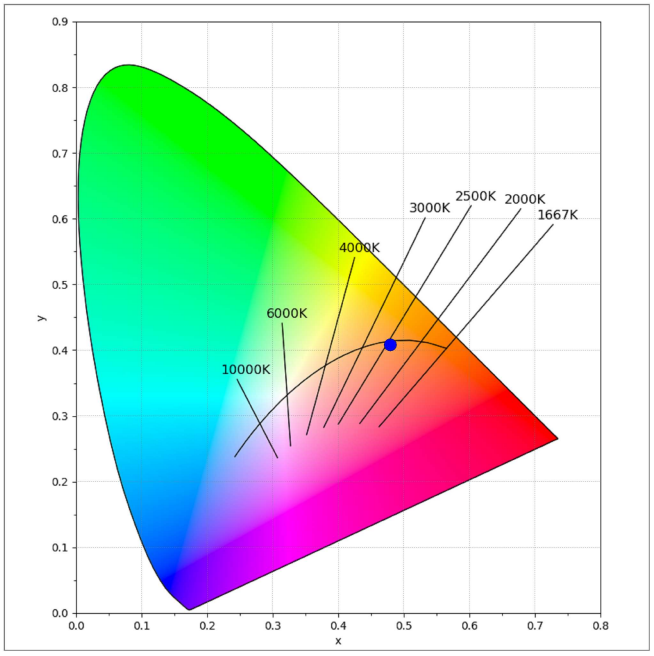
R 1: 95.5	R 2: 99.0	R 3: 97.5	R 4: 95.2	R 5: 96.3
R 6: 96.0	R 7: 89.9	R 8: 80.9	R 9: 61.9	R10: 97.6
R11: 97.4	R12: 92.1	R13: 96.9	R14: 99.4	R15: 90.5

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

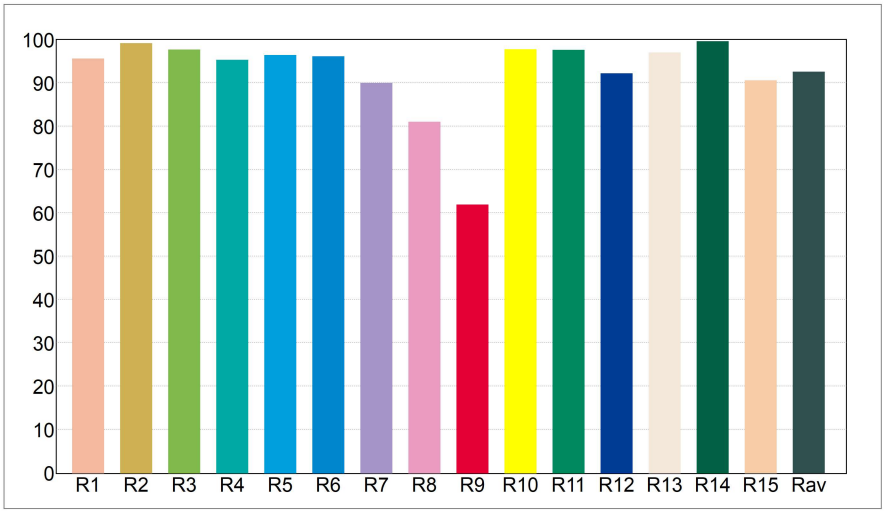


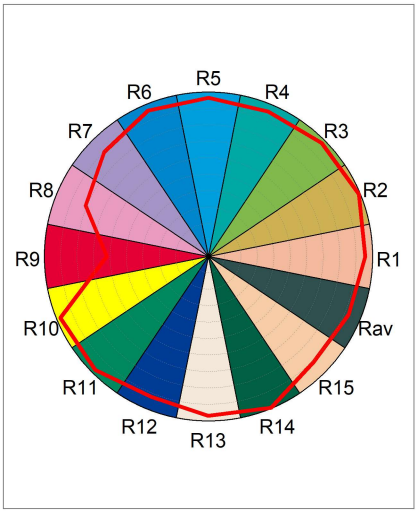


Luminaire
Code 12601038xxxU
Name ARID A/01 2400
Measurem.
Code CL092A25D007GPE1
Name ARID A/01 2400

Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

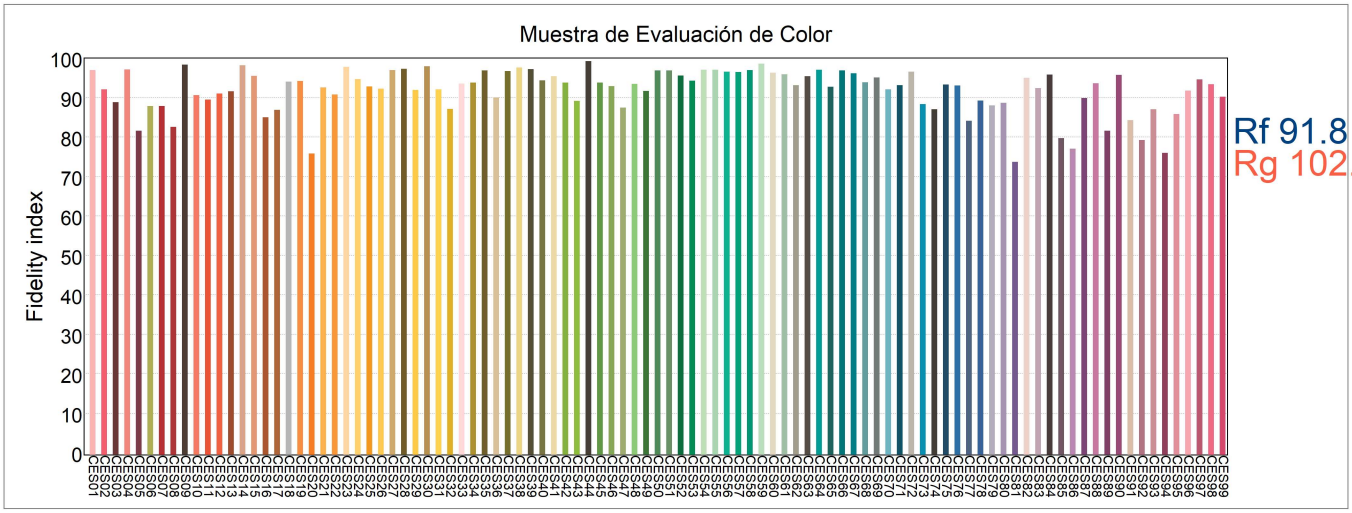
CRI Graphs



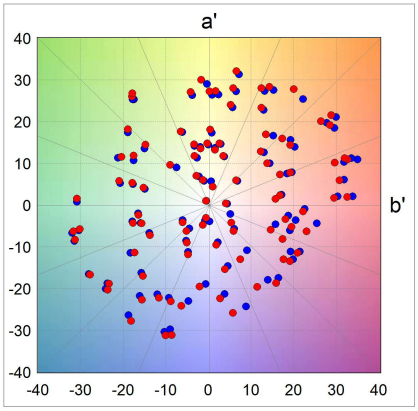


Luminaire
Code 12601038xxxU
Name ARID A/01 2400
Measurem.
Code CL092A25D007GPE1
Name ARID A/01 2400

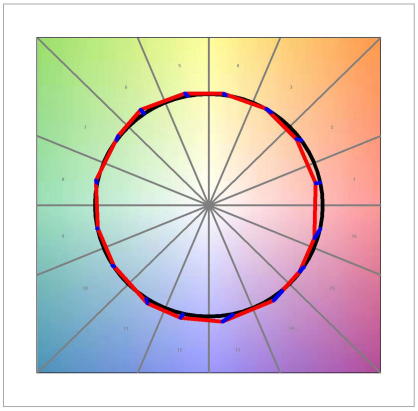
Luminaire Flux	634 lm	Luminaire Power	10.7 W	Efficacy	59.244 lm/W	Efficiency	100.00%
Source Flux	634 lm	Maximum value	264.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



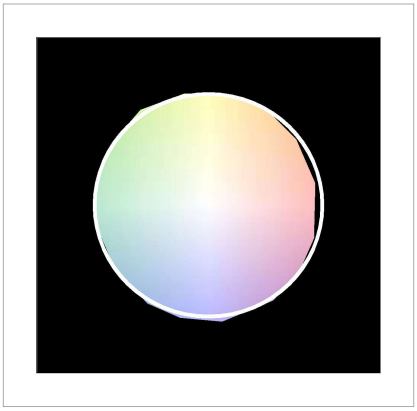
Chromatic Coordinates (a', b') 99 CES



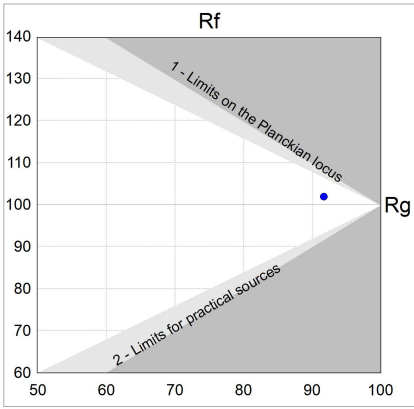
Color Vector Graphic



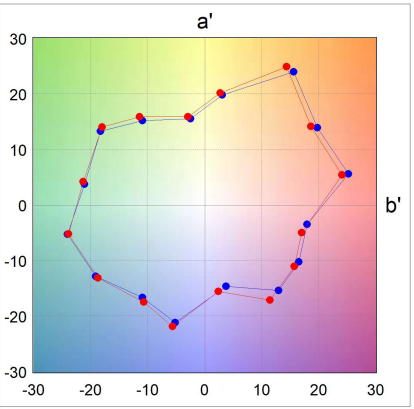
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

