Luminaire

Code	2590120857U
Name	DROP S/01 BLACK EBONY-FROSTED GLASS
Line	

Measurem.

Code	CL092A25D012GPE1
Name	DROP S/01 BLACK EBONY-FROSTED GLASS

Source Data

Code	CMA1306-0000-000C0U0A27G	Correlated Color Temperature (CCT)	2680K	Q.ty	1
Name	CREE	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	01-07-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	292.2 lm
Maximum	1123.27 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM25062502.1		

Electrical Parameters

Channel 1		Channel 2	
Voltage	120.20 V	Voltage	0.00 V
Current	0.06 A	Current	0.00 A
Power	4.20 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.61	Power Factor	0.00

Environmental Parameters

Temperature	25.2 °C	Air Speed	0.0 m/s
Humidity	50.3 %		

Luminaire Dimensions

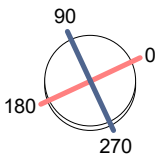
Round Luminaire	Diam.	110 mm	Height	90 mm	
Round Luminous Area	Diam.	110 mm	Height	90 mm	
Horizontal Luminous Area	0.009503 m2		Emitting area on Plane 180°		0.009900 m2
Emitting area on Plane 0°	0.009900 m2		Emitting area on Plane 270°		0.009900 m2
Emitting area on Plane 90°	0.009900 m2		Glare area at 76°		0.011905 m2

Photometric Assessment

Luminaire Flux	292.2 lm	Source Flux	292.2 lm
Efficacy	69.562 lm/W	Efficiency	100.0 %
CIE Flux Codes	69 85 93 85 100	D DIN 5040	B51
F UTE	0.85 C + 0.15 T	B NBN	BZ 1 / 0.8 / BZ 2 / 2 / BZ 3

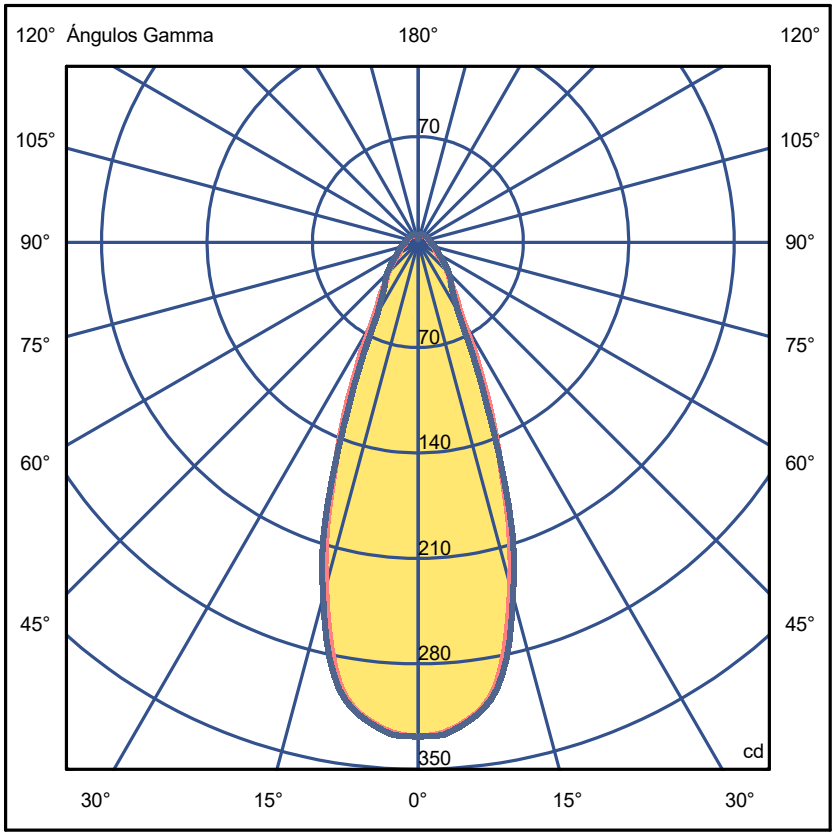


Diam=110mm





ULOR 15.47 %
DLOR 84.53 %
RN 15.47 %



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Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

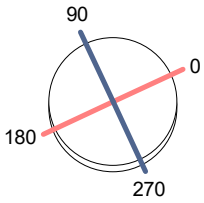
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	328	328	328	328	328	328	328
G 2.5	327	326	326	326	327	327	328
G 5.0	322	321	321	321	322	322	323
G 7.5	314	312	312	312	313	314	315
G 10.0	298	297	297	298	299	301	301
G 12.5	270	270	272	274	276	277	277
G 15.0	236	236	239	243	244	244	244
G 17.5	202	201	200	201	205	210	210
G 20.0	163	159	160	163	165	167	167
G 22.5	132	129	127	127	125	124	123
G 25.0	103	98	94	93	93	93	93
G 27.5	80	76	73	71	70	68	68
G 30.0	60	59	58	58	56	54	53
G 32.5	50	50	50	49	48	46	46
G 35.0	44	44	44	43	42	41	40
G 37.5	37	38	39	40	39	37	36
G 40.0	33	35	36	37	36	35	34
G 42.5	30	32	34	35	34	33	32
G 45.0	28	29	31	32	31	30	29
G 47.5	25	27	28	29	28	27	26
G 50.0	22	24	26	26	26	25	24
G 52.5	20	22	23	24	23	22	22
G 55.0	18	19	21	21	21	20	20
G 57.5	16	17	18	19	19	18	18
G 60.0	15	15	16	17	17	17	16
G 62.5	14	14	15	16	16	16	15
G 65.0	13	14	14	15	15	15	14
G 67.5	12	13	14	14	14	14	14
G 70.0	12	12	13	13	13	13	13
G 72.5	11	12	13	13	13	13	12
G 75.0	11	11	12	12	12	12	12
G 77.5	10	11	12	12	12	11	11
G 80.0	10	10	11	11	11	11	10
G 82.5	9	10	10	11	10	10	10
G 85.0	9	9	10	10	10	10	9
G 87.5	8	9	10	10	10	9	9
G 90.0	8	9	9	10	10	9	8
G 92.5	8	8	9	10	9	9	8
G 95.0	7	8	9	9	9	8	8
G 97.5	7	8	9	9	9	8	8
G100.0	7	8	9	9	9	8	8
G102.5	7	8	9	9	9	8	8
G105.0	7	8	9	9	9	8	7
G107.5	7	8	8	9	8	8	7
G110.0	7	8	8	9	8	8	7
G112.5	7	7	8	9	8	8	7
G115.0	7	7	8	8	8	8	7
G117.5	7	7	8	8	8	7	7
G120.0	7	7	8	8	8	7	7
G122.5	6	7	7	8	8	7	7
G125.0	6	7	7	7	7	7	7
G127.5	6	7	7	7	7	7	7
G130.0	6	6	7	7	7	7	6
G132.5	6	6	7	7	7	7	6
G135.0	6	6	6	7	7	6	6
G137.5	6	6	6	6	7	6	6
G140.0	6	6	6	6	6	6	6
G142.5	6	6	6	6	6	6	6
G145.0	6	6	6	6	6	6	6
G147.5	6	6	6	6	6	6	6
G150.0	5	6	6	6	6	6	6
G152.5	5	6	6	6	6	6	6
G155.0	5	5	6	6	6	6	6
G157.5	5	5	5	6	6	6	6
G160.0	5	5	5	6	6	6	6
G162.5	5	5	5	5	5	6	6
G165.0	5	5	5	5	5	5	5
G167.5	4	4	5	5	5	5	5
G170.0	4	4	4	4	4	4	4
G172.5	3	3	3	4	4	4	4
G175.0	2	2	2	3	3	3	3
G177.5	2	2	2	2	2	2	2
G180.0	2	2	2	2	2	2	2

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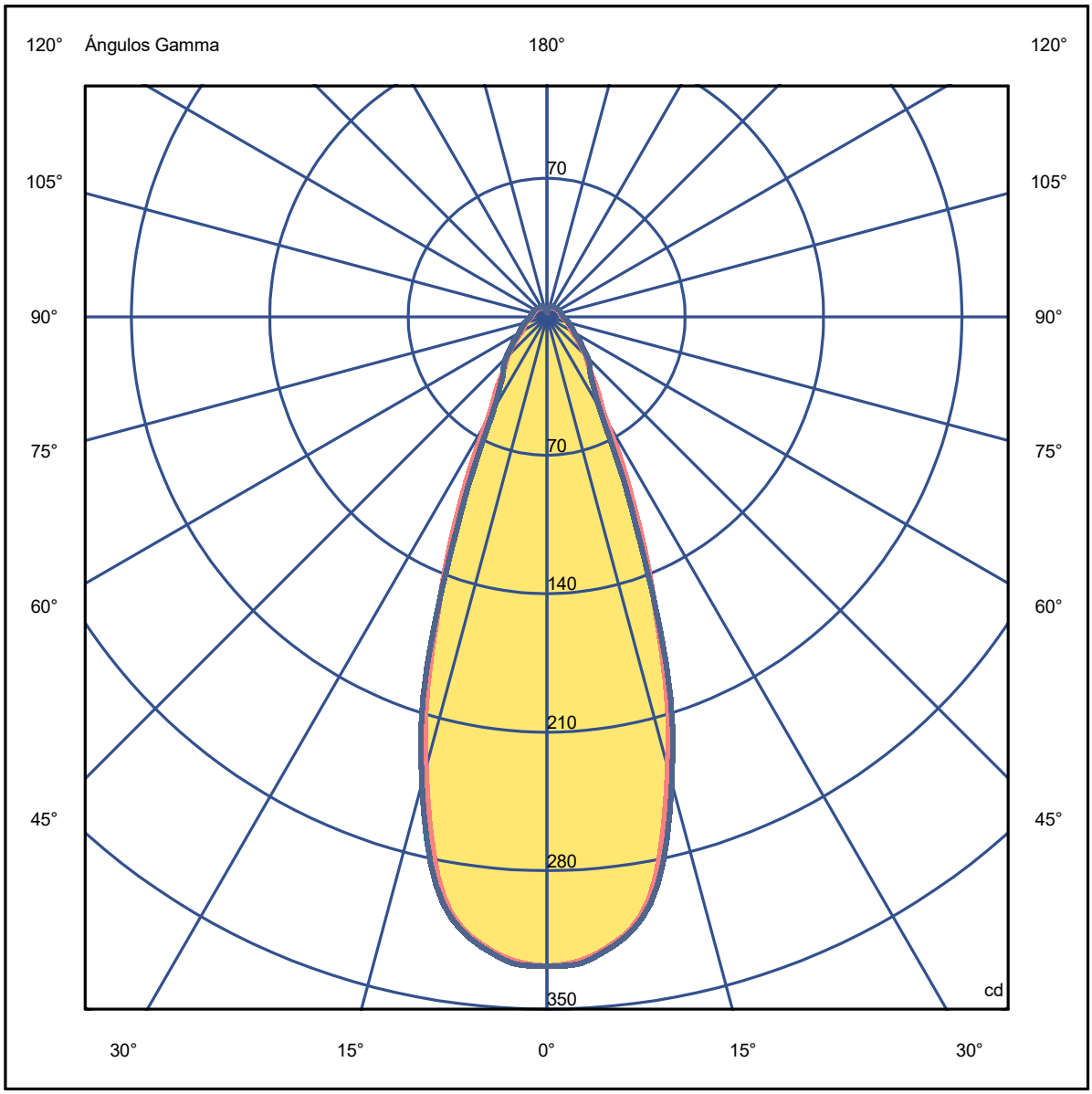
Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=110mm



Semiplanos C





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Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 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	10.7	11.6	11.2	12.1	12.6	10.9	11.8	11.4	12.3	12.8
x=2H y=3H	11.9	12.7	12.4	13.2	13.7	12.2	13.0	12.7	13.5	14.0
x=2H y=4H	12.5	13.3	13.1	13.8	14.4	12.8	13.6	13.4	14.1	14.7
x=2H y=6H	13.2	13.9	13.8	14.4	15.1	13.5	14.2	14.1	14.8	15.4
x=2H y=8H	13.5	14.2	14.1	14.8	15.4	13.8	14.5	14.4	15.1	15.7
x=2H y=12H	13.8	14.5	14.4	15.1	15.7	14.2	14.8	14.7	15.4	16.0
x=4H y=2H	11.2	12.0	11.7	12.5	13.1	11.4	12.1	11.9	12.7	13.2
x=4H y=3H	12.6	13.3	13.2	13.9	14.5	12.9	13.5	13.5	14.1	14.8
x=4H y=4H	13.5	14.1	14.1	14.7	15.4	13.8	14.4	14.4	14.9	15.6
x=4H y=6H	14.4	14.9	15.0	15.5	16.2	14.6	15.1	15.3	15.8	16.5
x=4H y=8H	14.8	15.3	15.4	15.9	16.6	15.0	15.5	15.7	16.2	16.9
x=4H y=12H	15.2	15.6	15.9	16.3	17.0	15.5	15.9	16.1	16.5	17.3
x=8H y=4H	13.9	14.4	14.6	15.0	15.7	14.1	14.6	14.8	15.2	15.9
x=8H y=6H	15.0	15.4	15.7	16.1	16.8	15.2	15.6	15.9	16.3	17.0
x=8H y=8H	15.6	15.9	16.3	16.6	17.4	15.8	16.1	16.5	16.8	17.6
x=8H y=12H	16.1	16.4	16.9	17.1	17.9	16.4	16.7	17.1	17.4	18.2
x=12H y=4H	14.0	14.4	14.6	15.0	15.8	14.2	14.6	14.9	15.3	16.0
x=12H y=6H	15.2	15.5	15.9	16.2	17.0	15.4	15.7	16.1	16.4	17.2
x=12H y=8H	15.8	16.1	16.5	16.8	17.6	16.0	16.3	16.7	17.0	17.8

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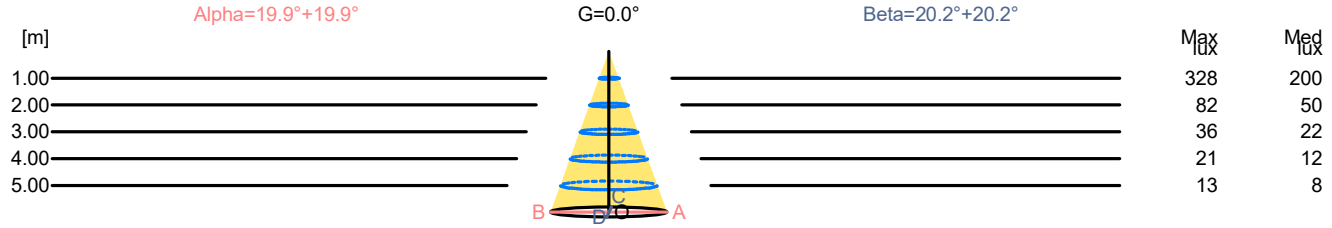
Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.36	0.72	1.09	1.45	1.81	OC	0.37	0.73	1.10	1.47	1.84
OB	0.36	0.72	1.09	1.45	1.81	OD	0.37	0.73	1.10	1.47	1.84

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	328.18	321.53	236.03	102.92	44.05	27.83	18.10	12.95	10.78	8.57
OB	328.18	321.53	236.03	102.92	44.05	27.83	18.10	12.95	10.78	8.57
OC	328.18	322.64	243.83	93.02	40.06	29.09	19.65	14.39	11.50	9.20
OD	328.18	322.64	243.83	93.02	40.06	29.09	19.65	14.39	11.50	9.20



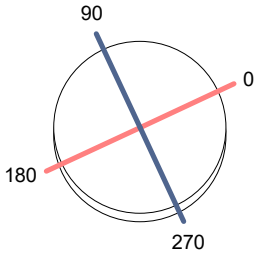
H[m]	D[m]	Max lux	Med lux	Alpha=19.9°+19.9° G=0.0
1.00	0.72	328	200	
2.00	1.45	82	50	
3.00	2.17	36	22	
4.00	2.90	21	12	
5.00	3.62	13	8	

H[m]	D[m]	Max lux	Med lux	Beta=20.2°+20.2° G=0.0
1.00	0.73	328	200	
2.00	1.47	82	50	
3.00	2.20	36	22	
4.00	2.94	21	12	
5.00	3.67	13	8	

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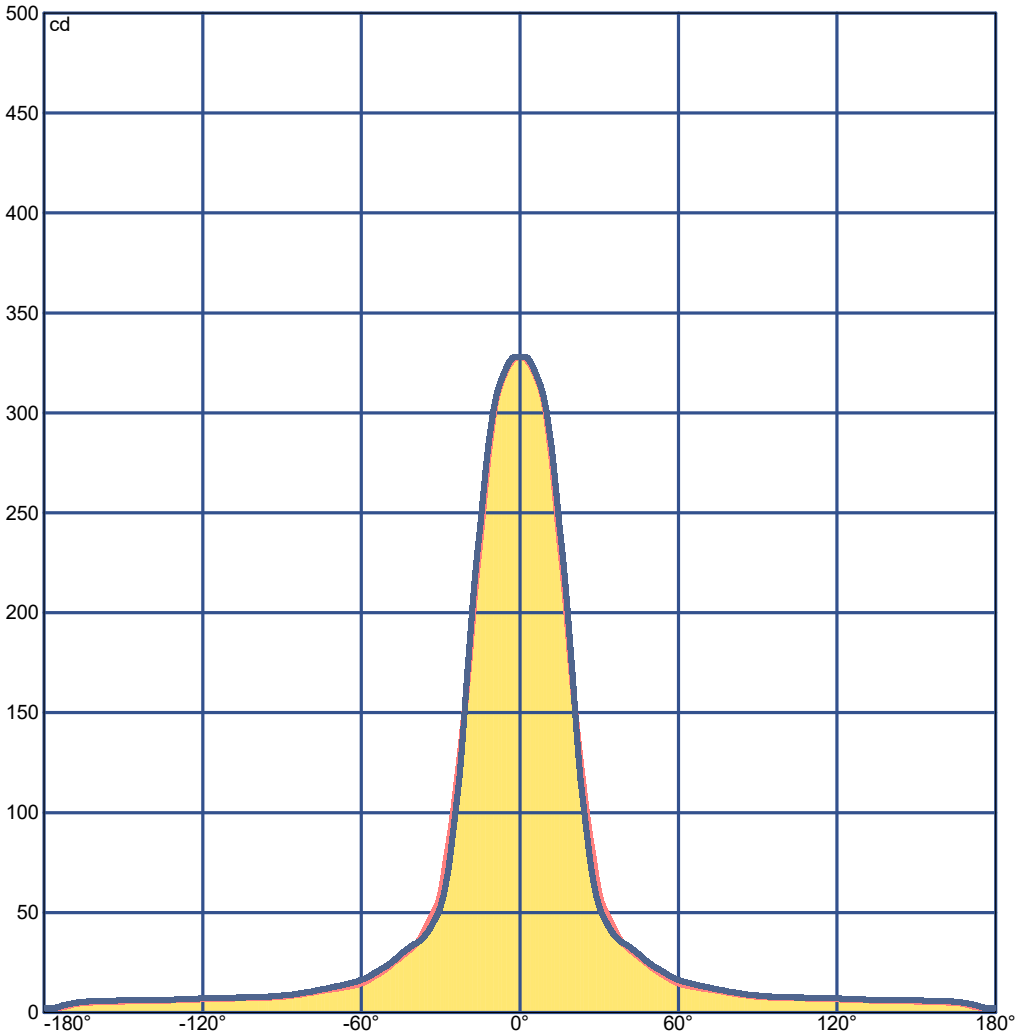
Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=110mm



Semiplanos C





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Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=292.16 Flujo Luminaria=292.16

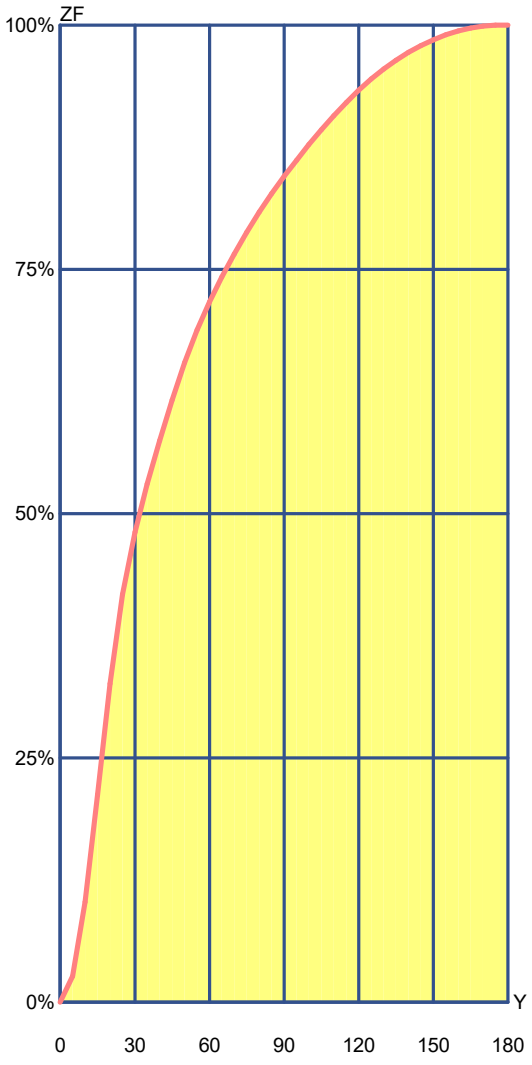
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.49	0.55	0.61	0.66	0.70	0.76	0.81	0.84	0.87	0.89	0.94	0.97
RC	2	2	2	2	3	3	3	3	3	3	3	3

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)	103	326	481	575	654	717	766	809	845	878	907	933	955	972	985	994	999	1000

Códigos de Flujo C.I.E.
69 85 93 85 100

C.I.E.	2/2/2/2/3/3/3/3/3/3/3	LOR	100.00000 %
D DIN 5040	B51	ULOR	15.47495 %
F UTE	0.85 C + 0.15 T	DLOR	84.52505 %
B NBN	BZ 1 / 0.8 / BZ 2 / 2 / BZ 3	UFF	15.47495 %
RN	15.47495 %	DFF	84.52505 %
BLF	1.0	FFR	18.30812 %



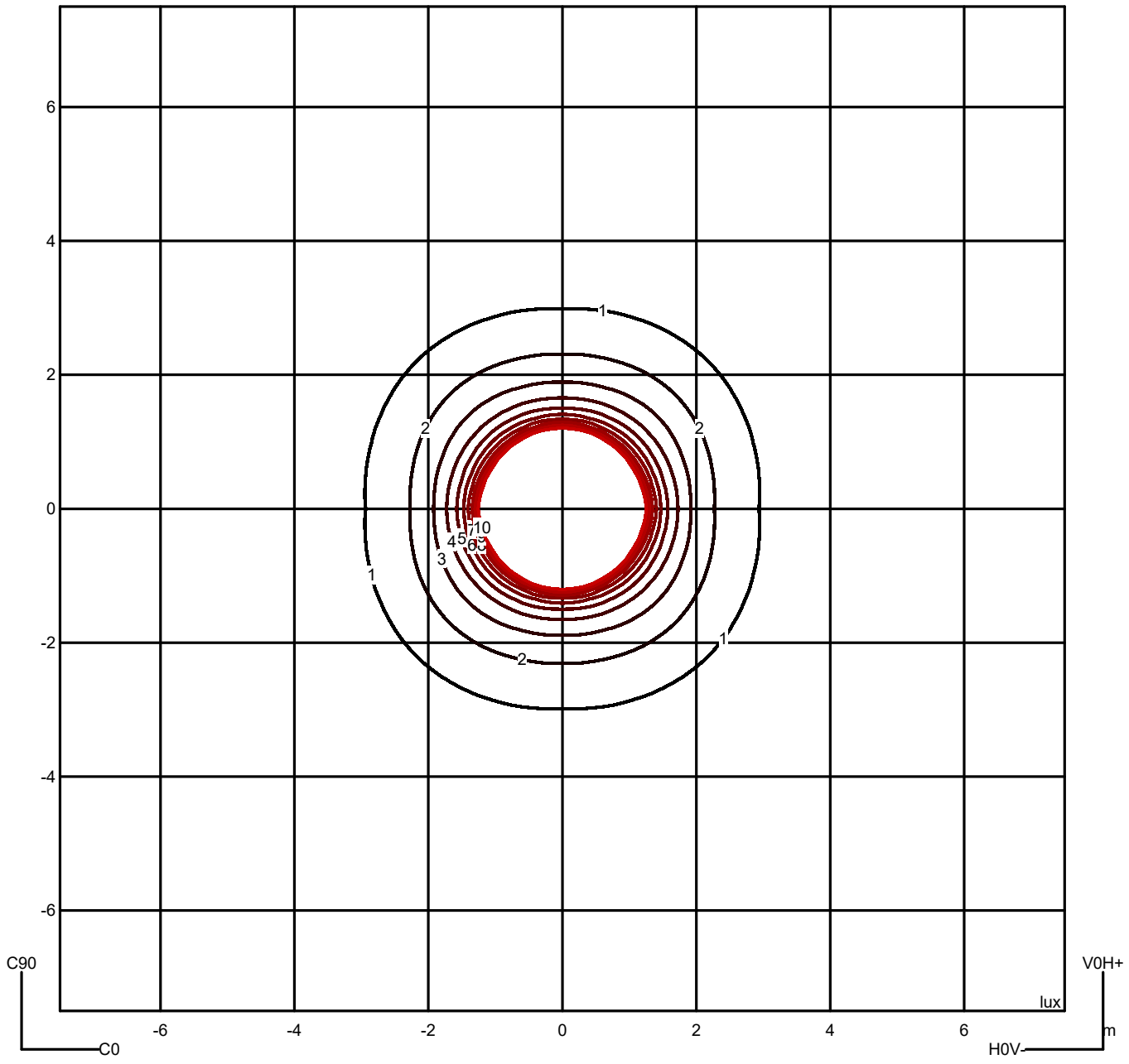
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	26.59	26.59	2.66 %	2.66 %
10°	76.05	102.64	7.60 %	10.26 %
15°	109.78	212.42	10.98 %	21.24 %
20°	113.71	326.13	11.37 %	32.61 %
25°	91.11	417.24	9.11 %	41.72 %
30°	63.76	480.99	6.38 %	48.10 %
35°	49.41	530.40	4.94 %	53.04 %
40°	44.18	574.59	4.42 %	57.46 %
45°	41.75	616.34	4.18 %	61.63 %
50°	38.14	654.48	3.81 %	65.45 %
55°	33.53	688.01	3.35 %	68.80 %
60°	28.74	716.75	2.87 %	71.67 %
65°	25.37	742.12	2.54 %	74.21 %
70°	23.60	765.72	2.36 %	76.57 %
75°	22.24	787.96	2.22 %	78.80 %
80°	20.70	808.65	2.07 %	80.87 %
85°	18.97	827.62	1.90 %	82.76 %
90°	17.63	845.25	1.76 %	84.53 %
95°	16.55	861.80	1.66 %	86.18 %
100°	15.80	877.60	1.58 %	87.76 %
105°	15.14	892.75	1.51 %	89.27 %
110°	14.43	907.17	1.44 %	90.72 %
115°	13.57	920.74	1.36 %	92.07 %
120°	12.58	933.32	1.26 %	93.33 %
125°	11.41	944.73	1.14 %	94.47 %
130°	10.17	954.90	1.02 %	95.49 %
135°	9.04	963.94	0.90 %	96.39 %
140°	8.00	971.94	0.80 %	97.19 %
145°	7.02	978.97	0.70 %	97.90 %
150°	6.03	985.00	0.60 %	98.50 %
155°	5.02	990.02	0.50 %	99.00 %
160°	4.01	994.03	0.40 %	99.40 %
165°	3.01	997.03	0.30 %	99.70 %
170°	1.93	998.96	0.19 %	99.90 %
175°	0.85	999.81	0.08 %	99.98 %
180°	0.19	1000.00	0.02 %	100.00 %

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Source Flux	292 lm	Maximum value	328.18 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	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.463627	y =0.414682
CIE1960	u =0.263090	v =0.352975
CIE1976	u'=0.263090	v'=0.529462
D(u,v)	0.00119	

Color rendering index (CRI)
Color Rendering Components

CRI8(Ra) [92.9]* CRI15(Rav) [90.4]*

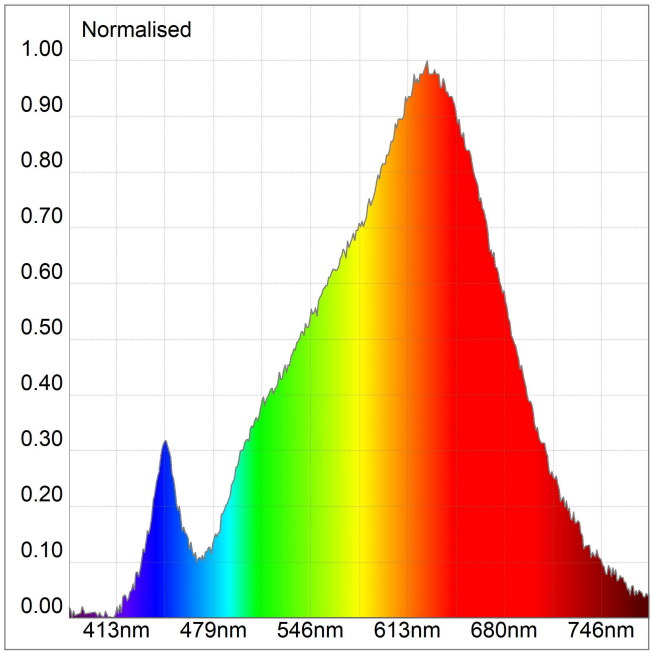
R 1: 93.1	R 2: 94.8	R 3: 95.3	R 4: 94.2	R 5: 92.6
R 6: 94.0	R 7: 93.9	R 8: 85.0	R 9: 65.3	R10: 87.3
R11: 95.3	R12: 85.6	R13: 93.2	R14: 96.5	R15: 89.7

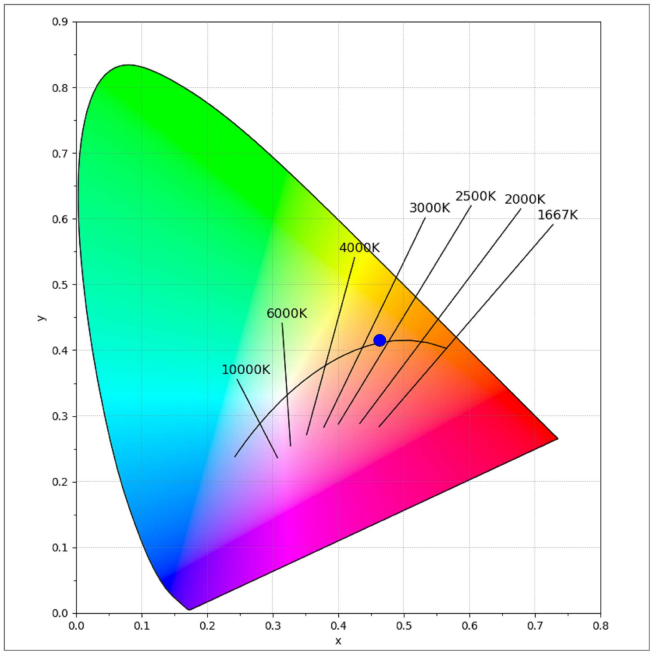
CCT = [2680 K]*

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.017500	386.0	0.006212	392.0	0.007191
398.0	0.009839	404.0	0.000411	410.0	0.000206
416.0	0.008871	422.0	0.047419	428.0	0.073548
434.0	0.156452	440.0	0.240323	446.0	0.317742
452.0	0.249194	458.0	0.154839	464.0	0.135484
470.0	0.108065	476.0	0.125806	482.0	0.145968
488.0	0.201613	494.0	0.249194	500.0	0.300806
506.0	0.344355	512.0	0.375806	518.0	0.403226
524.0	0.422581	530.0	0.440323	536.0	0.480645
542.0	0.507258	548.0	0.545161	554.0	0.579032
560.0	0.612097	566.0	0.630645	572.0	0.676613
578.0	0.695968	584.0	0.711290	590.0	0.755645
596.0	0.814516	602.0	0.854839	608.0	0.895161
614.0	0.935484	620.0	0.967742	626.0	0.991935
632.0	0.983871	638.0	0.967742	644.0	0.935484
650.0	0.870968	656.0	0.838710	662.0	0.775000
668.0	0.708871	674.0	0.629839	680.0	0.587097
686.0	0.501613	692.0	0.453226	698.0	0.388710
704.0	0.323387	710.0	0.290323	716.0	0.254032
722.0	0.198387	728.0	0.189516	734.0	0.148387
740.0	0.107258	746.0	0.106452	752.0	0.093548
758.0	0.066210	764.0	0.063065	770.0	0.040000
776.0	0.038065				

Spectrum Graph

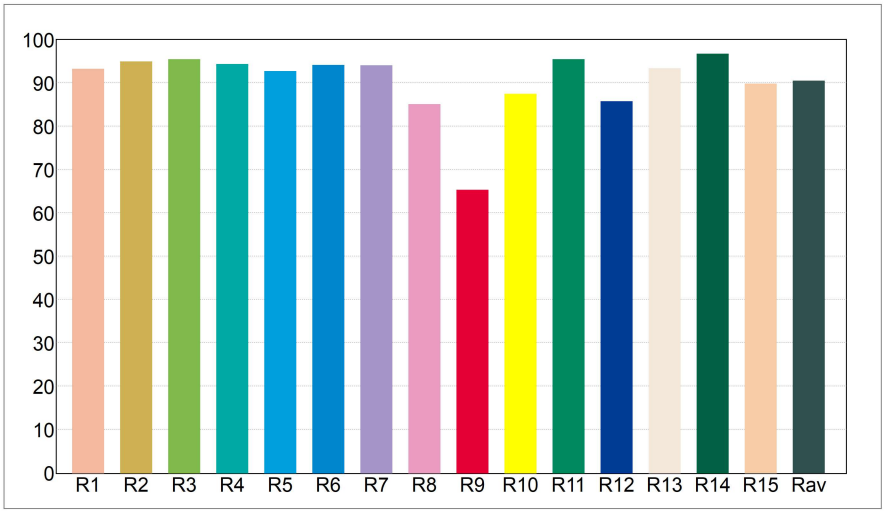


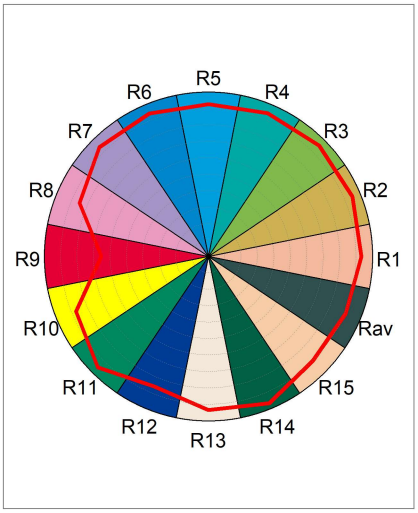


Luminaire
Code 2590120857U
Name DROP S/01 BLACK EBONY-FROSTED GLASS
Measurem.
Code CL092A25D012GPE1
Name DROP S/01 BLACK EBONY-FROSTED GLASS

Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

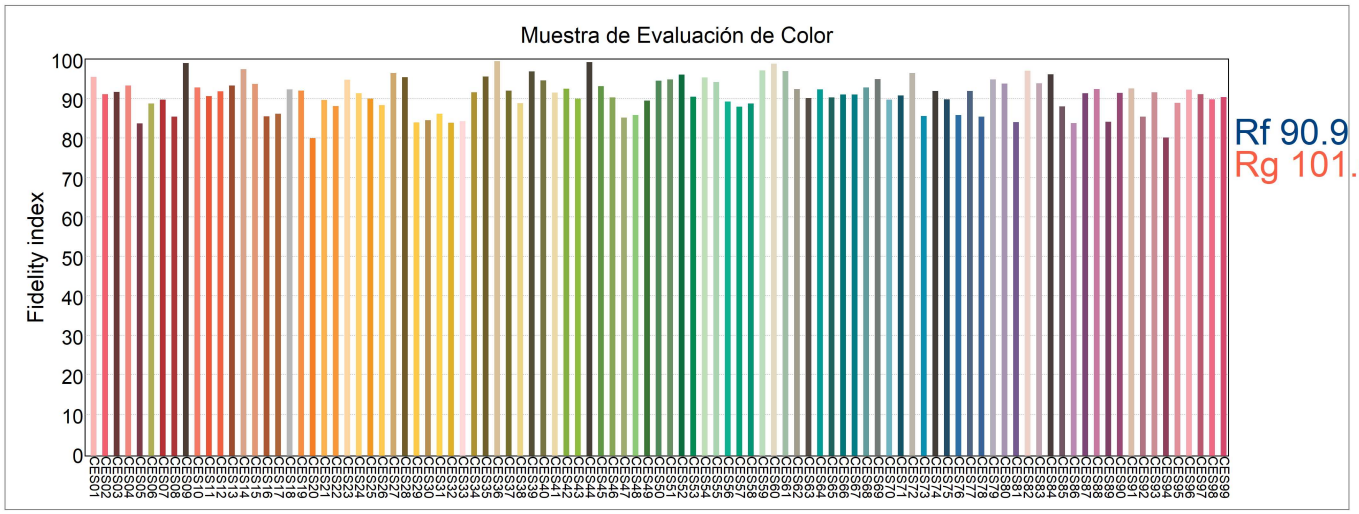
CRI Graphs



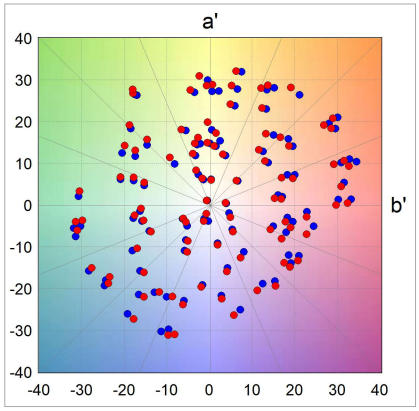


Luminaire
Code 2590120857U
Name DROP S/01 BLACK EBONY-FROSTED GLASS
Measurem.
Code CL092A25D012GPE1
Name DROP S/01 BLACK EBONY-FROSTED GLASS

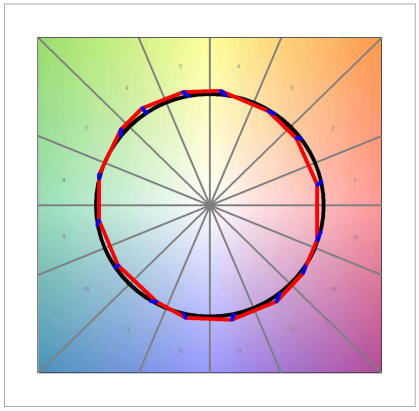
Luminaire Flux	292 lm	Luminaire Power	4.2 W	Efficacy	69.562 lm/W	Efficiency	100.00%
Source Flux	292 lm	Maximum value	328.18 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



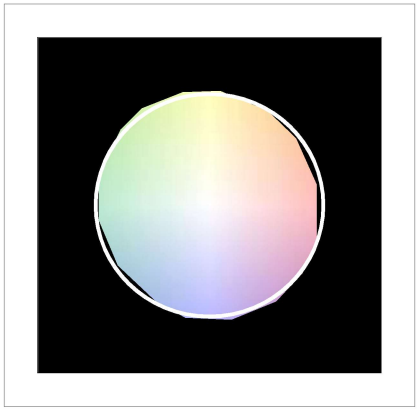
Chromatic Coordinates (a', b') 99 CES



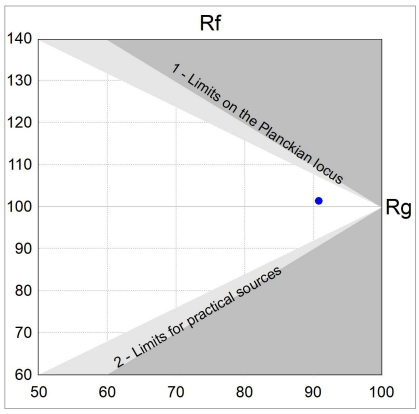
Color Vector Graphic



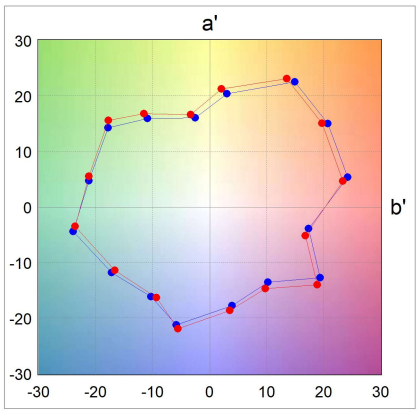
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

