Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm
Maximum value	89.56 cd/klm	Position	C=75.00 G=5.00	Asymmetrical	

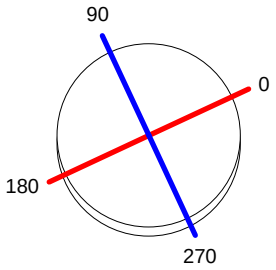
Round Luminaire	Diam. 500 mm		Height	300 mm	
Round Luminous Area	Diam. 500 mm		Height	300 mm	
Horizontal Luminous Area	0.196350 m2		Emitting area on Plane 180°	0.150000 m2	
Emitting area on Plane 0°	0.150000 m2		Emitting area on Plane 270°	0.150000 m2	
Emitting area on Plane 90°	0.150000 m2		Glare area at 76°	0.193046 m2	
Symmetry Type	Asymmetrical		Maximum Gamma Angle	180	
Measurement Distance	6.44		Measurement Flux	2460.00 lm	
Operator	Asselum T2		Source voltage	120.00 V	
Temperature	25.00 °C		Source current		
Humidity	50.00 %		Photocell	PRC	
Notes					

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
- BOVER	49885	FLE20TBX/2/SW/CD	1200.00	20.00	2

C.I.E.	54 84 97 66 34	D DIN 5040	B41
F UTE	0.22 D + 0.11 T	B NBN	BZ 4

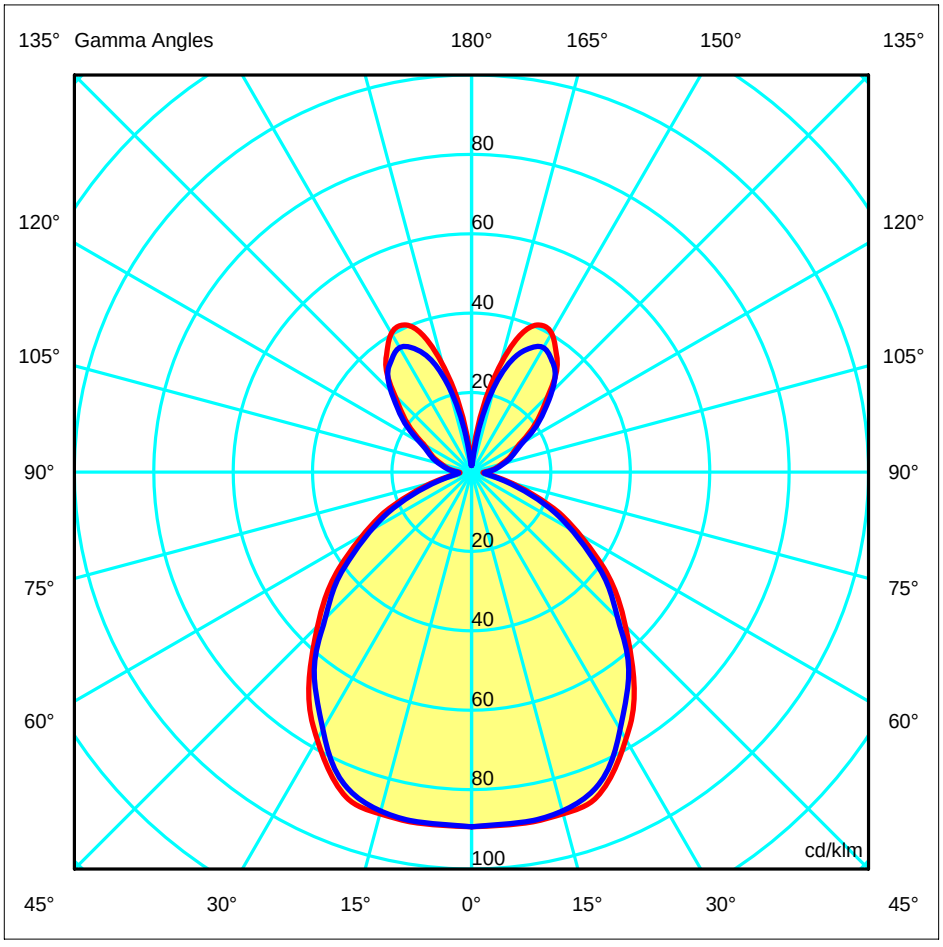
Diam=500mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0



ULOR	11.43 %
DLOR	22.20 %
RN	33.98 %

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

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

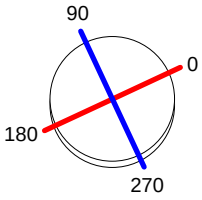
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33
G 5.0	89.31	88.97	89.05	89.47	88.85	89.56	89.06	89.56	88.85	89.47	89.05	88.97
G 10.0	89.45	88.58	88.88	88.74	88.80	89.16	89.14	89.16	88.80	88.74	88.88	88.58
G 15.0	89.10	88.33	88.46	89.18	88.22	88.78	88.38	88.78	88.22	89.18	88.46	88.33
G 20.0	88.37	86.18	86.13	86.22	85.83	86.27	86.46	86.27	85.83	86.22	86.13	86.18
G 25.0	83.92	80.83	81.57	81.64	81.12	81.59	82.01	81.59	81.12	81.64	81.57	80.83
G 30.0	77.76	75.10	74.95	75.21	75.23	75.40	74.85	75.40	75.23	75.21	74.95	75.10
G 35.0	71.27	67.64	67.99	68.36	68.08	68.40	68.22	68.40	68.08	68.36	67.99	67.64
G 40.0	62.95	59.60	59.94	60.71	60.20	60.69	61.25	60.69	60.20	60.71	59.94	59.60
G 45.0	54.78	52.10	52.30	52.52	52.27	52.24	52.07	52.24	52.27	52.52	52.30	52.10
G 50.0	47.57	43.62	44.04	44.26	44.70	44.70	45.09	44.70	44.70	44.26	44.04	43.62
G 55.0	39.52	36.09	36.44	36.71	36.59	36.59	36.82	36.59	36.59	36.71	36.44	36.09
G 60.0	31.32	28.40	28.74	28.97	28.69	28.84	29.08	28.84	28.69	28.97	28.74	28.40
G 65.0	24.40	20.67	21.35	21.45	21.51	21.65	22.02	21.65	21.51	21.45	21.35	20.67
G 70.0	16.28	14.37	14.59	14.27	14.68	14.48	14.49	14.48	14.68	14.27	14.59	14.37
G 75.0	10.06	8.12	8.32	8.46	8.54	8.56	8.61	8.56	8.54	8.46	8.32	8.12
G 80.0	5.28	4.14	4.55	4.54	4.55	4.68	4.72	4.68	4.55	4.54	4.55	4.14
G 85.0	3.09	2.94	3.14	3.07	3.26	3.12	3.27	3.12	3.26	3.07	3.14	2.94
G 90.0	3.21	3.62	3.62	3.59	3.65	3.69	3.72	3.69	3.65	3.59	3.62	3.62
G 95.0	4.84	5.26	5.13	5.22	5.21	5.23	5.36	5.23	5.21	5.22	5.13	5.26
G100.0	6.41	6.68	6.70	6.74	6.75	6.88	6.86	6.88	6.75	6.74	6.70	6.68
G105.0	7.89	8.69	8.70	8.69	8.43	8.58	8.58	8.58	8.43	8.69	8.70	8.69
G110.0	9.86	10.34	10.57	10.48	10.28	10.53	10.46	10.53	10.28	10.48	10.57	10.34
G115.0	11.66	12.18	12.60	12.38	12.28	12.33	12.24	12.33	12.28	12.38	12.60	12.18
G120.0	13.88	15.30	15.48	15.27	15.19	15.14	14.99	15.14	15.19	15.27	15.48	15.30
G125.0	18.36	19.09	19.60	19.46	19.11	19.37	19.68	19.37	19.11	19.46	19.60	19.09
G130.0	22.67	24.17	24.30	24.17	24.04	24.11	23.91	24.11	24.04	24.17	24.30	24.17
G135.0	27.38	29.38	29.49	29.22	29.05	28.96	28.61	28.96	29.05	29.22	29.49	29.38
G140.0	33.36	34.01	34.37	34.30	33.61	33.88	32.79	33.88	33.61	34.30	34.37	34.01
G145.0	37.09	38.22	38.32	38.46	36.39	37.18	34.88	37.18	36.39	38.46	38.32	38.22
G150.0	40.36	40.18	40.01	40.28	37.77	37.91	36.21	37.91	37.77	40.28	40.01	40.18
G155.0	40.85	38.55	39.06	38.28	35.96	35.52	34.35	35.52	35.96	38.28	39.06	38.55
G160.0	37.22	32.30	32.60	31.93	30.82	31.06	30.22	31.06	30.82	31.93	32.60	32.30
G165.0	27.89	23.49	23.49	22.52	22.73	22.61	22.42	22.61	22.73	22.52	23.49	23.49
G170.0	16.37	12.68	11.97	12.74	11.90	12.43	11.67	12.43	11.90	12.74	11.97	12.68
G175.0	5.48	2.67	2.09	3.03	2.11	2.87	1.79	2.87	2.11	3.03	2.09	2.67
G180.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66

	C 180.00	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33	89.33
G 5.0	89.31	88.97	89.05	89.47	88.85	89.56	89.06	89.56	88.85	89.47	89.05	88.97
G 10.0	89.45	88.58	88.88	88.74	88.80	89.16	89.14	89.16	88.80	88.74	88.88	88.58
G 15.0	89.10	88.33	88.46	89.18	88.22	88.78	88.38	88.78	88.22	89.18	88.46	88.33
G 20.0	88.37	86.18	86.13	86.22	85.83	86.27	86.46	86.27	85.83	86.22	86.13	86.18
G 25.0	83.92	80.83	81.57	81.64	81.12	81.59	82.01	81.59	81.12	81.64	81.57	80.83
G 30.0	77.76	75.10	74.95	75.21	75.23	75.40	74.85	75.40	75.23	75.21	74.95	75.10
G 35.0	71.27	67.64	67.99	68.36	68.08	68.40	68.22	68.40	68.08	68.36	67.99	67.64
G 40.0	62.95	59.60	59.94	60.71	60.20	60.69	61.25	60.69	60.20	60.71	59.94	59.60
G 45.0	54.78	52.10	52.30	52.52	52.27	52.24	52.07	52.24	52.27	52.52	52.30	52.10
G 50.0	47.57	43.62	44.04	44.26	44.70	44.70	45.09	44.70	44.70	44.26	44.04	43.62
G 55.0	39.52	36.09	36.44	36.71	36.59	36.59	36.82	36.59	36.59	36.71	36.44	36.09
G 60.0	31.32	28.40	28.74	28.97	28.69	28.84	29.08	28.84	28.69	28.97	28.74	28.40
G 65.0	24.40	20.67	21.35	21.45	21.51	21.65	22.02	21.65	21.51	21.45	21.35	20.67
G 70.0	16.28	14.37	14.59	14.27	14.68	14.48	14.49	14.48	14.68	14.27	14.59	14.37
G 75.0	10.06	8.12	8.32	8.46	8.54	8.56	8.61	8.56	8.54	8.46	8.32	8.12
G 80.0	5.28	4.14	4.55	4.54	4.55	4.68	4.72	4.68	4.55	4.54	4.55	4.14
G 85.0	3.09	2.94	3.14	3.07	3.26	3.12	3.27	3.12	3.26	3.07	3.14	2.94
G 90.0	3.21	3.62	3.62	3.59	3.65	3.69	3.72	3.69	3.65	3.59	3.62	3.62
G 95.0	4.84	5.26	5.13	5.22	5.21	5.23	5.36	5.23	5.21	5.22	5.13	5.26
G100.0	6.41	6.68	6.70	6.74	6.75	6.88	6.86	6.88	6.75	6.74	6.70	6.68
G105.0	7.89	8.69	8.70	8.69	8.43	8.58	8.58	8.58	8.43	8.69	8.70	8.69
G110.0	9.86	10.34	10.57	10.48	10.28	10.53	10.46	10.53	10.28	10.48	10.57	10.34
G115.0	11.66	12.18	12.60	12.38	12.28	12.33	12.24	12.33	12.28	12.38	12.60	12.18
G120.0	13.88	15.30	15.48	15.27	15.19	15.14	14.99	15.14	15.19	15.27	15.48	15.30
G125.0	18.36	19.09	19.60	19.46	19.11	19.37	19.68	19.37	19.11	19.46	19.60	19.09
G130.0	22.67	24.17	24.30	24.17	24.04	24.11	23.91	24.11	24.04	24.17	24.30	24.17
G135.0	27.38	29.38	29.49	29.22	29.05	28.96	28.61	28.96	29.05	29.22	29.49	29.38
G140.0	33.36	34.01	34.37	34.30	33.61	33.88	32.79	33.88	33.61	34.30	34.37	34.01
G145.0	37.09	38.22	38.32	38.46	36.39	37.18	34.88	37.18	36.39	38.46	38.32	38.22
G150.0	40.36	40.18	40.01	40.28	37.77	37.91	36.21	37.91	37.77	40.28	40.01	40.18
G155.0	40.85	38.55	39.06	38.28	35.96	35.52	34.35	35.52	35.96	38.28	39.06	38.55
G160.0	37.22	32.30	32.60	31.93	30.82	31.06	30.22	31.06	30.82	31.93	32.60	32.30
G165.0	27.89	23.49	23.49	22.52	22.73	22.61	22.42	22.61	22.73	22.52	23.49	23.49
G170.0	16.37	12.68	11.97	12.74	11.90	12.43	11.67	12.43	11.90	12.74	11.97	12.68
G175.0	5.48	2.67	2.09	3.03	2.11	2.87	1.79	2.87	2.11	3.03	2.09	2.67
G180.0	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

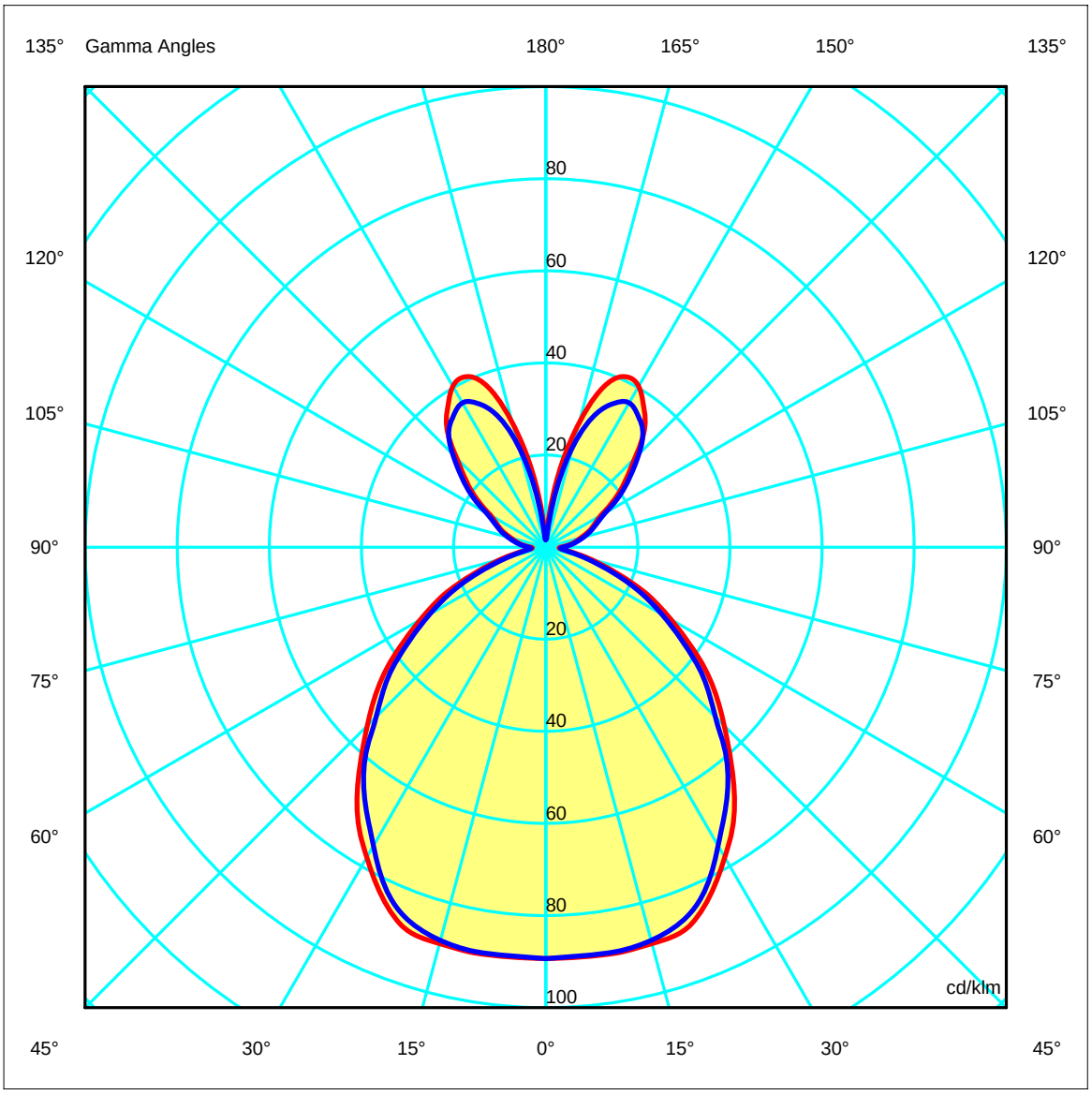
Diam=500mm



C Halfplanes

180.0 — 0.0

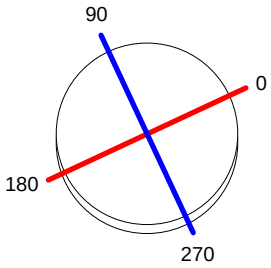
270.0 — 90.0



Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

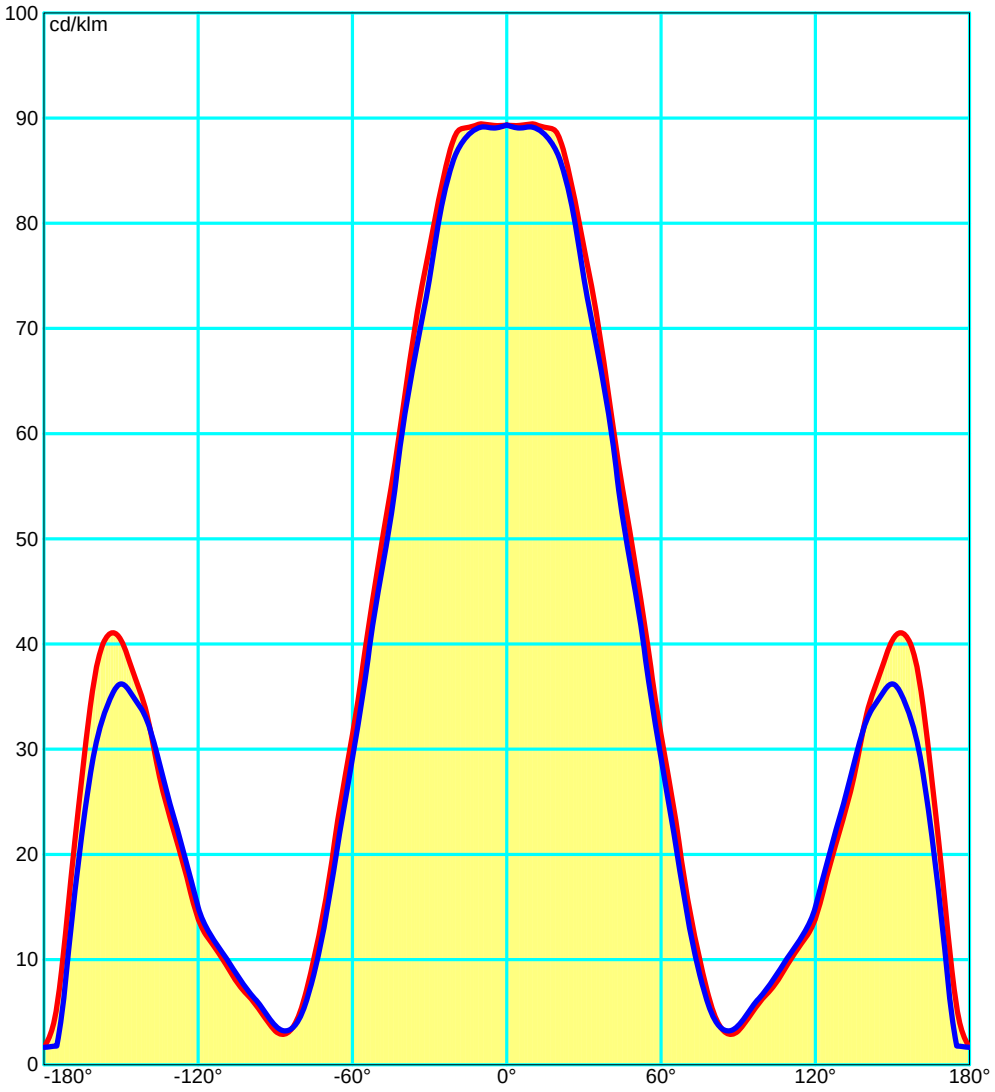
Diam=500mm



C Halfplanes

180.0 0.0

270.0 90.0



Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	6.7	7.6	7.4	8.3	9.1	6.7	7.6	7.4	8.3	9.1
x=2H y=3H	7.4	8.2	8.2	9.0	9.8	7.4	8.2	8.1	8.9	9.8
x=2H y=4H	7.6	8.3	8.4	9.1	9.9	7.5	8.2	8.2	8.9	9.9
x=2H y=6H	7.6	8.3	8.4	9.1	9.9	7.5	8.2	8.3	8.9	9.9
x=2H y=8H	7.6	8.2	8.4	9.0	9.8	7.4	8.1	8.2	8.9	9.8
x=2H y=12H	7.5	8.2	8.3	9.0	9.8	7.4	8.1	8.2	8.8	9.8
x=4H y=2H	7.0	7.8	7.8	8.5	9.4	7.0	7.7	7.8	8.5	9.4
x=4H y=3H	7.8	8.5	8.6	9.2	10.2	7.8	8.4	8.6	9.2	10.2
x=4H y=4H	8.0	8.6	8.9	9.4	10.3	7.9	8.5	8.8	9.3	10.3
x=4H y=6H	8.1	8.5	8.9	9.4	10.3	8.0	8.4	8.8	9.3	10.3
x=4H y=8H	8.0	8.5	8.9	9.3	10.3	8.0	8.4	8.8	9.3	10.3
x=4H y=12H	8.0	8.4	8.9	9.3	10.3	8.0	8.4	8.8	9.2	10.3
x=8H y=4H	8.0	8.4	8.9	9.3	10.2	7.9	8.3	8.8	9.2	10.2
x=8H y=6H	8.1	8.4	9.0	9.3	10.3	8.0	8.3	8.9	9.2	10.3
x=8H y=8H	8.1	8.4	9.0	9.3	10.3	8.0	8.3	8.9	9.2	10.3
x=8H y=12H	8.1	8.4	9.0	9.3	10.3	8.0	8.3	9.0	9.2	10.3
x=12H y=4H	7.9	8.3	8.8	9.2	10.2	7.9	8.3	8.7	9.1	10.2
x=12H y=6H	8.0	8.3	8.9	9.2	10.2	8.0	8.2	8.9	9.2	10.2
x=12H y=8H	8.1	8.3	9.0	9.2	10.3	8.0	8.3	8.9	9.2	10.3

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Total Flux=2400.00 Luminaire Flux=807.13

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	0.35	0.44	0.51	0.59	0.64	0.72	0.77	0.81	0.85	0.88	0.93	0.97
RC	4	4	4	4	4	4	4	4	4	4	4	4

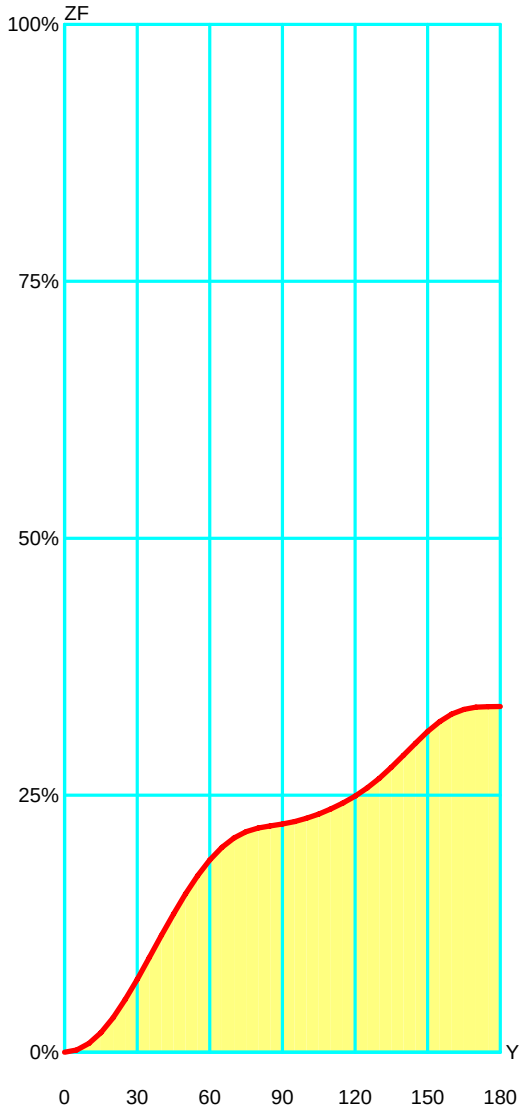
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	9	33	71	114	154	187	209	218	222	228	237	249	266	289	312	329	336	336

CIE Flux Codes

54 84 97 66 34

C.I.E.	4	LOR	33.63058 %
D DIN 5040	B41	ULOR	11.42717 %
F UTE	0.22 D + 0.11 T	DLOR	22.20341 %
B NBN	BZ 4	UFF	33.97852 %
RN	33.97852 %	DFF	66.02148 %
BLF	1.0	FFR	51.46587 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.13	2.13	0.63 %	0.63 %
10°	6.37	8.50	1.89 %	2.53 %
15°	10.53	19.04	3.13 %	5.66 %
20°	14.42	33.45	4.29 %	9.95 %
25°	17.62	51.07	5.24 %	15.19 %
30°	19.87	70.94	5.91 %	21.09 %
35°	21.17	92.10	6.29 %	27.39 %
40°	21.51	113.61	6.40 %	33.78 %
45°	20.93	134.54	6.22 %	40.00 %
50°	19.62	154.15	5.83 %	45.84 %
55°	17.69	171.85	5.26 %	51.10 %
60°	15.20	187.04	4.52 %	55.62 %
65°	12.30	199.35	3.66 %	59.28 %
70°	9.18	208.53	2.73 %	62.01 %
75°	6.06	214.59	1.80 %	63.81 %
80°	3.51	218.10	1.04 %	64.85 %
85°	2.09	220.19	0.62 %	65.47 %
90°	1.84	222.03	0.55 %	66.02 %
95°	2.41	224.44	0.72 %	66.74 %
100°	3.24	227.68	0.96 %	67.70 %
105°	4.09	231.77	1.22 %	68.92 %
110°	4.95	236.72	1.47 %	70.39 %
115°	5.74	242.47	1.71 %	72.10 %
120°	6.67	249.13	1.98 %	74.08 %
125°	7.95	257.09	2.37 %	76.44 %
130°	9.41	266.50	2.80 %	79.24 %
135°	10.72	277.21	3.19 %	82.43 %
140°	11.64	288.86	3.46 %	85.89 %
145°	11.90	300.75	3.54 %	89.43 %
150°	11.26	312.02	3.35 %	92.78 %
155°	9.69	321.71	2.88 %	95.66 %
160°	7.30	329.00	2.17 %	97.83 %
165°	4.57	333.57	1.36 %	99.19 %
170°	2.13	335.70	0.63 %	99.82 %
175°	0.55	336.25	0.16 %	99.98 %
180°	0.05	336.31	0.02 %	100.00 %

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

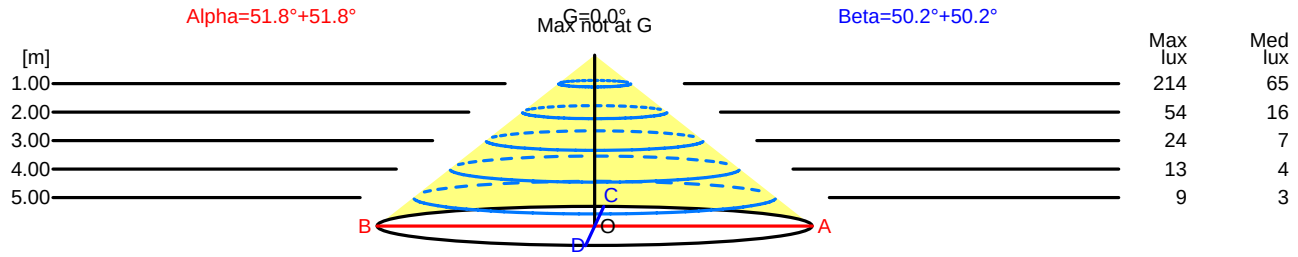
Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Width at 50.00 % of Max Intensity

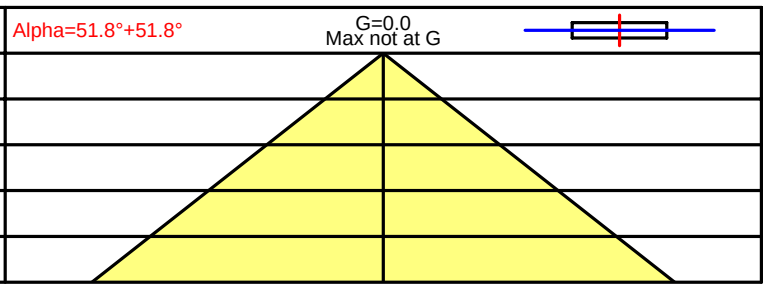
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.27	2.55	3.82	5.09	6.36	OC	1.20	2.40	3.61	4.81	6.01
OB	1.27	2.55	3.82	5.09	6.36	OD	1.20	2.40	3.61	4.81	6.01

Luminous Intensities [cd/klm]

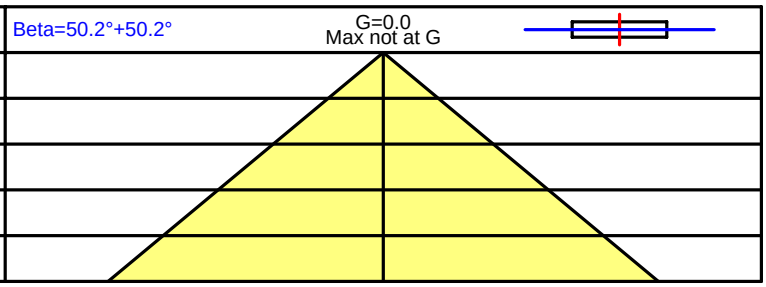
	0	5	15	25	35	45	55	65	75	85
OA	214.39	214.33	213.84	201.40	171.04	131.48	94.84	58.56	24.15	7.41
OB	214.39	214.33	213.84	201.40	171.04	131.48	94.84	58.56	24.15	7.41
OC	214.39	213.74	212.10	196.82	163.72	124.97	88.36	52.85	20.65	7.84
OD	214.39	213.74	212.10	196.82	163.72	124.97	88.36	52.85	20.65	7.84



H[m]	D[m]	Max lux	Med lux
1.00	2.55	214	65
2.00	5.09	54	16
3.00	7.64	24	7
4.00	10.18	13	4
5.00	12.73	9	3



H[m]	D[m]	Max lux	Med lux
1.00	2.40	214	65
2.00	4.81	54	16
3.00	7.21	24	7
4.00	9.62	13	4
5.00	12.02	9	3

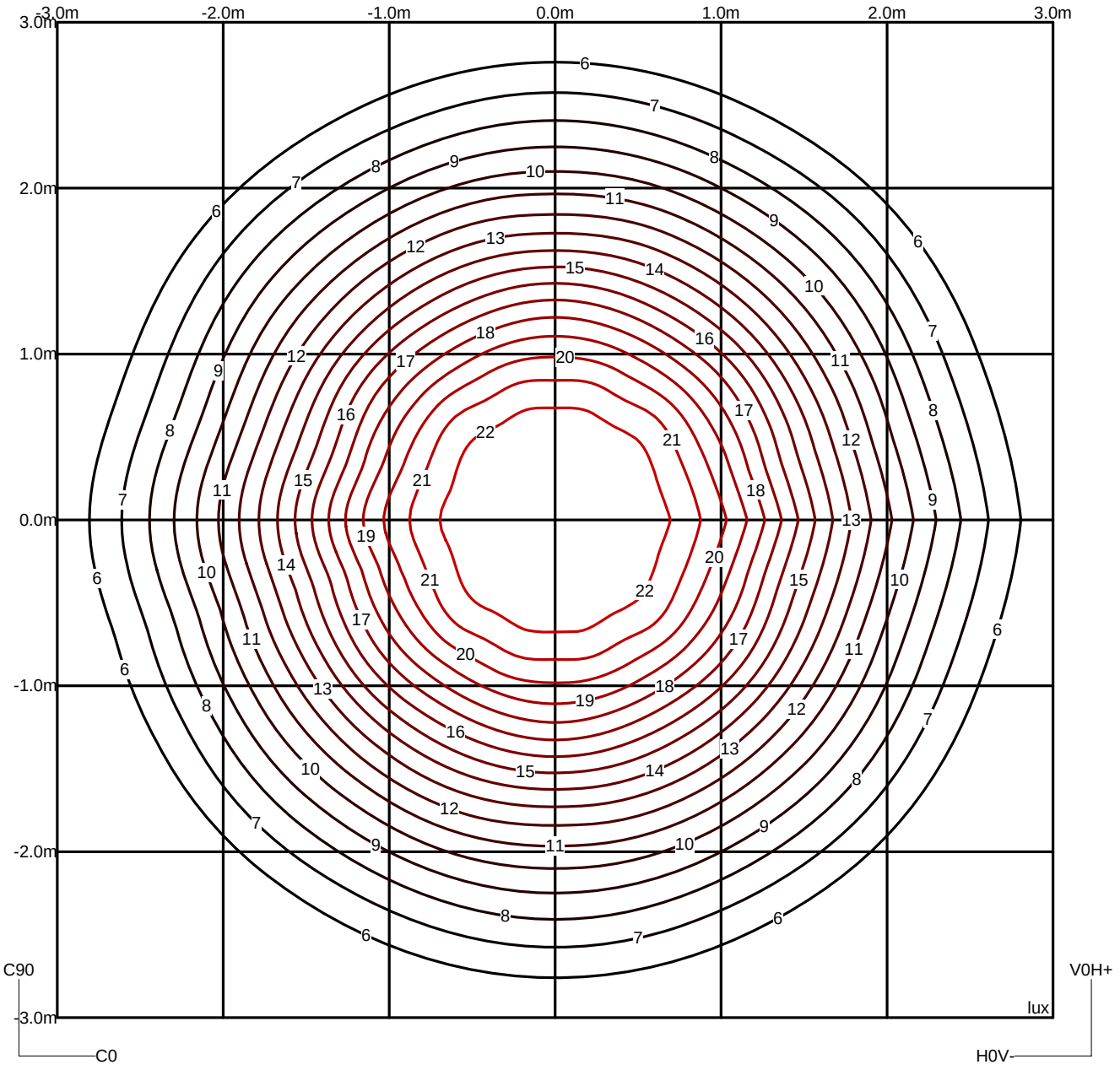


Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal
Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Utilizations CIE

Mounting Direct Normalization Normalised Suspension Ratio 0.3 Standard CIE Settings

Ceiling

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	148	133	134	121	126	116	107	91	100	85	89	67	81	55	79	72	63	66	53	60	56	48	43
0.80	165	151	144	133	144	127	122	107	110	97	98	78	90	66	91	82	74	75	63	70	65	57	51
1.00	176	164	148	139	156	133	134	119	117	105	105	87	96	74	99	90	82	83	71	78	73	65	57
1.25	186	175	151	144	167	138	145	132	123	113	112	95	103	82	106	97	90	90	79	86	80	72	63
1.50	193	183	153	146	175	141	154	142	127	118	116	101	107	89	111	103	96	96	85	92	86	79	69
2.00	202	195	153	148	186	143	167	157	132	124	122	110	114	98	118	110	105	104	95	101	95	88	76
2.50	209	202	153	149	193	145	177	167	135	129	127	116	119	105	122	116	111	110	102	107	102	95	82
3.00	213	207	153	149	198	145	183	175	137	132	129	120	123	111	126	120	115	114	107	111	107	100	86
4.00	219	214	152	150	205	146	193	186	139	135	133	126	128	118	130	125	121	120	114	117	114	108	91
5.00	222	219	152	150	209	147	199	193	141	138	136	130	131	123	132	128	125	124	119	121	118	112	95
10.00	230	228	151	150	219	147	213	210	144	142	141	138	138	134	138	136	134	133	130	130	128	124	104
20.00	234	233	150	149	224	147	221	219	145	145	144	142	142	140	141	139	139	138	137	135	134	130	109

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	133	125	116	109	121	105	95	88	85	79	71	63	61	52	75	64	61	56	51	59	52	49	43
0.80	151	143	127	121	137	116	112	103	97	91	83	74	73	63	86	74	71	66	61	68	61	57	50
1.00	164	156	134	128	148	123	124	115	105	98	92	82	81	71	92	82	78	73	67	74	67	62	54
1.25	175	167	139	134	158	128	135	126	112	105	99	90	89	78	98	88	84	80	74	79	72	67	58
1.50	183	176	142	138	165	131	144	135	116	111	105	96	95	84	102	93	89	85	79	83	77	70	60
2.00	191	185	144	140	173	133	155	147	121	116	111	102	102	92	106	98	94	91	85	87	81	73	62
2.50	197	192	144	141	179	134	162	155	123	119	114	107	107	97	108	101	98	95	89	89	84	75	63
3.00	200	196	144	141	182	134	167	160	125	121	117	110	110	101	109	103	100	97	92	90	86	76	63
4.00	207	203	145	143	188	135	175	170	128	125	122	116	116	108	112	107	104	102	98	94	90	79	65
5.00	211	208	147	145	192	137	182	177	131	128	125	120	120	113	114	110	108	106	102	96	93	82	67
10.00	223	221	151	150	204	142	197	194	138	137	135	132	132	127	121	119	117	116	114	104	102	89	72
20.00	229	228	153	153	210	144	206	205	142	141	140	139	138	136	125	124	123	122	121	108	107	93	75

Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	178	169	166	158	164	154	133	125	128	121	110	101	97	89	116	102	99	91	87	96	86	83	78
0.80	212	203	196	188	195	182	164	155	156	148	138	127	124	113	141	126	123	115	109	118	108	103	98
1.00	240	230	218	211	220	203	189	179	179	171	161	149	147	134	162	147	143	136	129	137	127	120	114
1.25	265	256	239	232	244	223	214	204	201	192	183	171	170	155	181	167	163	156	149	155	145	137	130
1.50	284	275	254	248	261	237	233	223	217	209	201	188	187	173	195	182	178	172	164	168	159	149	142
2.00	312	304	275	269	287	258	262	252	241	233	226	215	214	200	217	206	201	196	188	189	181	168	160
2.50	329	322	288	283	304	271	282	273	256	249	243	232	233	219	231	221	217	212	205	202	195	181	172
3.00	342	336	296	292	315	279	296	287	267	261	256	245	246	233	240	232	228	224	217	212	206	189	180
4.00	358	353	307	304	330	290	314	307	280	275	271	262	263	251	252	245	242	239	233	223	218	200	189
5.00	368	364	314	311	340	297	326	320	288	284	280	273	273	263	260	254	251	248	243	230	226	206	195
10.00	389	387	327	325	360	310	352	348	306	303	301	297	297	290	276	272	271	269	266	246	243	220	208
20.00	400	399	334	333	371	317	366	364	315	314	312	310	310	306	285	283	282	281	279	255	253	227	214

LM53 SHR C0-C180: 1.274 SHR C90-C270: 1.226 SHR Square: 1.312

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

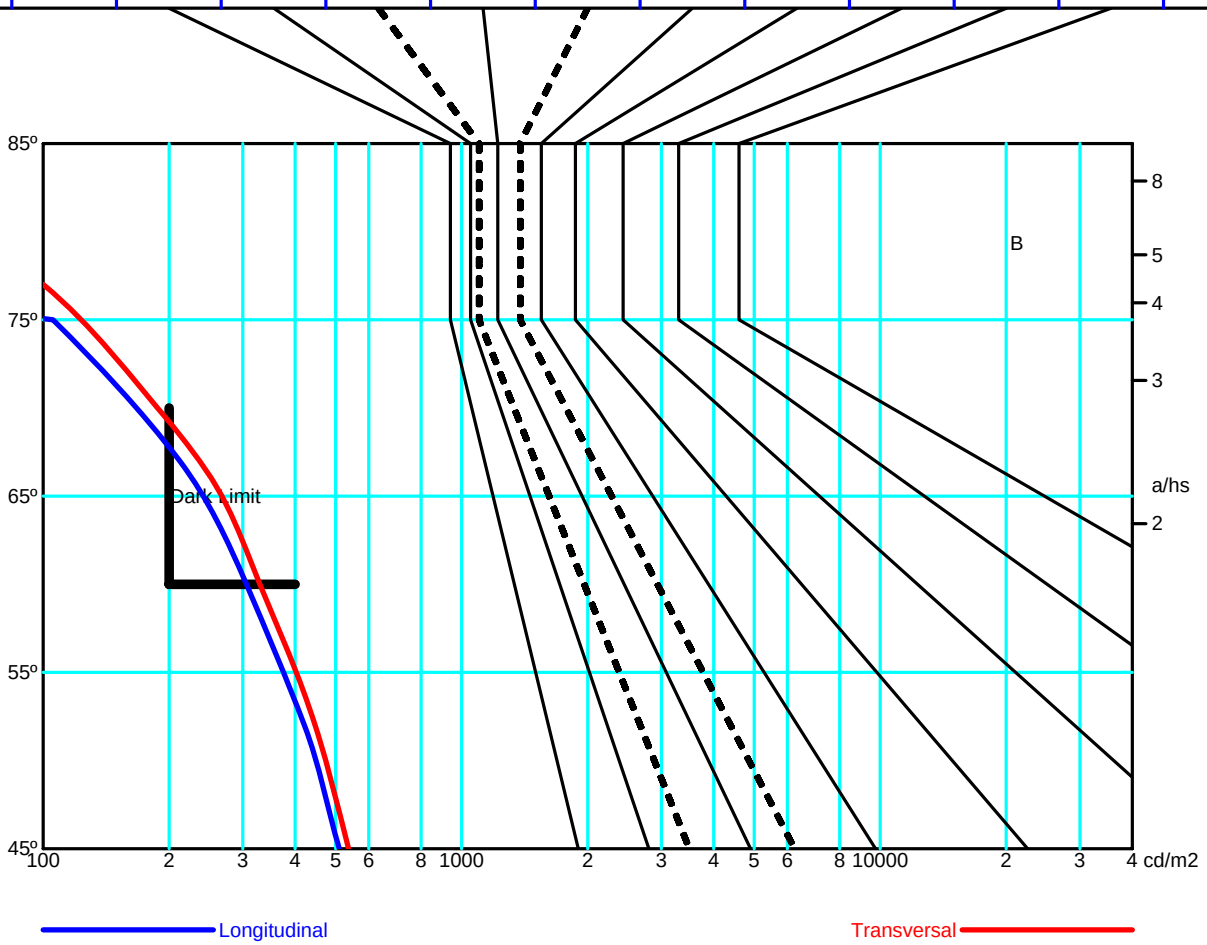
Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	537	473	403	330	267	188	123	70	44	---
90.0°	510	449	375	306	241	167	106	62	47	---

Flush mounted or transveral view

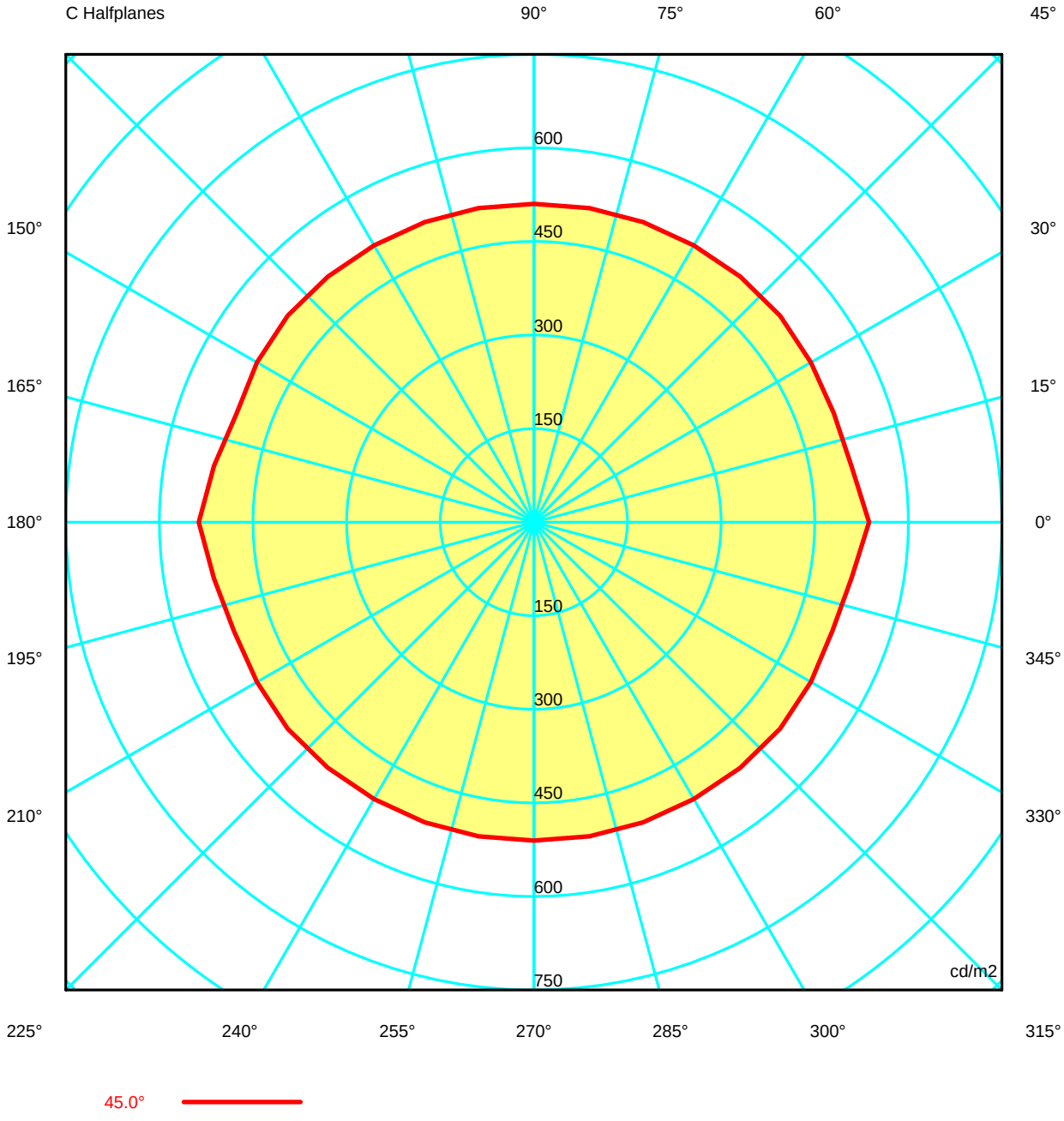
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Luminance



Luminaire		**Measurem.**		**Lamp**	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Luminance cd/m2 **Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89
G 5.0	1027.11	1024.26	1022.65	1024.16	1028.69	1026.52	1021.85	1027.81	1028.77	1024.26	1028.77	1027.81	1021.85
G 10.0	978.46	970.67	969.28	972.17	971.15	970.24	971.31	974.17	975.13	974.98	975.13	974.18	971.31
G 15.0	935.90	929.90	926.80	929.18	935.97	933.87	926.65	930.51	931.73	928.31	931.73	930.51	926.65
G 20.0	899.43	882.50	876.94	876.57	877.21	876.03	873.57	876.12	879.21	879.96	879.20	876.14	873.57
G 25.0	834.50	810.14	806.23	811.11	813.24	809.72	806.64	809.05	813.42	815.50	813.41	809.08	806.64
G 30.0	761.57	741.89	735.06	734.12	736.20	736.69	736.83	738.67	736.55	733.07	736.55	737.90	736.83
G 35.0	692.82	665.56	658.70	660.94	664.56	663.54	661.87	664.04	664.59	663.15	664.58	664.07	661.87
G 40.0	612.06	587.04	577.35	582.78	589.27	589.08	585.39	587.54	592.72	595.52	592.71	587.57	585.39
G 45.0	536.87	516.55	511.19	512.49	514.81	513.99	512.28	512.05	511.30	510.27	511.29	512.07	512.28
G 50.0	473.50	442.86	435.55	438.36	440.25	441.92	444.96	444.74	446.29	448.81	446.28	444.77	444.96
G 55.0	402.71	375.65	369.03	371.41	374.15	373.81	372.91	372.52	373.82	375.23	373.81	372.55	372.91
G 60.0	329.55	305.72	300.05	302.39	305.08	303.86	301.93	302.46	304.64	306.03	304.63	302.49	301.93
G 65.0	267.48	235.23	229.07	234.06	234.77	235.34	235.76	236.37	238.95	241.41	238.93	236.41	235.76
G 70.0	187.77	170.35	166.55	168.29	165.67	165.64	169.32	167.78	167.05	167.14	167.05	167.78	169.32
G 75.0	123.38	104.85	100.34	101.97	103.63	104.03	104.69	104.89	105.19	105.52	105.18	104.91	104.69
G 80.0	69.74	57.47	56.43	60.07	59.98	59.60	60.03	61.18	62.07	62.31	62.06	61.19	60.03
G 85.0	44.46	42.36	43.23	45.32	44.44	45.10	47.04	45.51	45.49	47.07	45.48	45.51	47.04
G 90.0	51.35	56.30	57.87	57.91	57.60	57.69	58.40	58.86	59.24	59.47	59.24	58.86	58.40

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Luminance cd/m2 **Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89
G 5.0	1026.50	1028.73	1024.16	1022.45	1024.78	1027.11	1024.78	1022.45	1024.16	1028.73	1026.50	1021.85	1027.81
G 10.0	970.20	971.15	972.17	969.99	972.19	978.46	972.19	969.99	972.17	971.15	970.20	971.31	974.18
G 15.0	933.84	936.05	929.18	926.36	931.01	935.90	931.01	926.36	929.18	936.05	933.84	926.65	930.51
G 20.0	875.94	877.21	876.57	873.79	885.67	899.43	885.67	876.94	876.57	877.21	875.94	873.57	876.14
G 25.0	809.58	813.57	811.11	801.66	814.83	834.50	814.83	806.23	811.11	813.57	809.58	806.64	809.08
G 30.0	736.69	736.46	734.12	731.40	745.56	761.57	745.56	735.06	734.12	736.46	736.69	736.83	738.69
G 35.0	663.39	664.93	660.94	653.50	670.73	692.82	670.73	658.70	660.94	664.93	663.39	661.87	664.07
G 40.0	588.94	589.61	582.78	575.48	591.77	612.06	591.77	580.62	582.78	589.61	588.94	585.39	587.57
G 45.0	513.88	515.08	512.49	507.37	520.40	536.87	520.40	511.19	512.49	515.08	513.88	512.28	512.07
G 50.0	441.76	439.84	438.36	430.03	448.69	473.50	448.69	435.55	438.36	439.84	441.76	444.96	444.77
G 55.0	373.67	374.52	371.41	363.98	380.79	402.71	380.79	369.03	371.41	374.52	373.67	372.91	372.55
G 60.0	303.74	305.40	302.39	295.55	310.25	329.55	310.25	300.05	302.39	305.40	303.74	301.93	302.49
G 65.0	235.34	234.77	234.06	223.22	241.42	267.48	241.42	229.07	234.06	234.77	235.34	235.76	236.41
G 70.0	165.55	165.91	168.29	166.55	173.69	187.77	173.69	166.55	168.29	165.91	165.55	169.32	167.78
G 75.0	103.93	103.16	101.97	96.92	108.37	123.38	108.37	100.34	101.97	103.16	103.93	104.69	104.91
G 80.0	59.96	59.98	60.07	56.43	59.86	69.74	59.86	56.43	60.07	59.98	59.53	60.03	61.19
G 85.0	45.09	44.47	45.32	43.06	42.81	44.46	42.81	43.06	45.32	44.47	45.09	47.04	45.51
G 90.0	57.71	57.60	57.91	58.79	55.37	51.35	55.37	57.87	57.91	57.60	57.71	58.40	58.86

Luminaire		Measurem.		Lamp	
Code	FORA COLGANTE U	Code	FORA APLIQUE U	Code	49885
Name	FORA COLG. 2x20W T4 fibra+opal	Name	Lum. FORA 2x29W E26 opal+fibra	Number	2
Line	- BOVER	Date	06-07-2011	Position	Universal

Efficiency	33.63%	Coordinate system	CG	Total Flux	2400.00 lm

Luminance cd/m2 **Table 3/3**

	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00
G 0.0	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89	1091.89
G 5.0	1027.11	1024.78	1022.45	1024.16	1028.73	1026.50	1021.85	1027.81	1028.77	1024.26	1028.77	1027.81	1021.85
G 10.0	978.46	972.19	969.99	972.17	971.15	970.20	971.31	974.18	975.13	974.98	975.13	974.17	971.31
G 15.0	935.90	931.01	926.36	929.18	936.05	933.84	926.65	930.51	931.73	928.31	931.73	930.51	926.65
G 20.0	899.43	885.67	876.94	876.57	877.21	875.94	873.57	876.14	879.20	879.96	879.21	876.12	873.57
G 25.0	834.50	814.83	806.23	811.11	813.57	809.58	806.64	809.08	813.41	815.50	813.42	809.05	806.64
G 30.0	761.57	745.56	735.06	734.12	736.46	736.69	736.83	738.69	736.55	733.07	736.55	737.90	736.83
G 35.0	692.82	670.73	658.70	660.94	664.93	663.39	661.87	664.07	664.58	663.15	664.59	664.04	661.87
G 40.0	612.06	591.77	580.62	582.78	589.61	588.94	585.39	587.57	592.71	595.52	592.72	587.54	585.39
G 45.0	536.87	520.40	511.19	512.49	515.08	513.88	512.28	512.07	511.29	510.27	511.30	512.05	512.28
G 50.0	473.50	448.69	435.55	438.36	439.84	441.76	444.96	444.77	446.28	448.81	446.29	444.74	444.96
G 55.0	402.71	380.79	369.03	371.41	374.52	373.67	372.91	372.55	373.81	375.23	373.82	372.52	372.91
G 60.0	329.55	310.25	300.05	302.39	305.40	303.74	301.93	302.49	304.63	306.03	304.64	302.46	301.93
G 65.0	267.48	241.42	229.07	234.06	234.77	235.34	235.76	236.41	238.93	241.41	238.95	236.37	235.76
G 70.0	187.77	173.69	166.55	168.29	165.91	165.55	169.32	167.78	167.05	167.14	167.05	167.78	169.32
G 75.0	123.38	108.37	100.34	101.97	103.16	103.93	104.69	104.91	105.18	105.52	105.19	104.89	104.69
G 80.0	69.74	59.86	56.43	60.07	59.98	59.53	60.03	61.19	62.06	62.31	62.07	61.18	60.03
G 85.0	44.46	42.81	43.06	45.32	44.47	45.09	47.04	45.51	45.48	47.07	45.49	45.51	47.04
G 90.0	51.35	55.37	57.87	57.91	57.60	57.71	58.40	58.86	59.24	59.47	59.24	58.86	58.40