Luminaire
Code 30301yyy127
Name FORA Ø30 LED BROWN SADE
Measurem.
Code CL092A21F006G
Name FORA Ø30 LED BROWN SADE

Luminaire Flux	710.84 lm	Luminaire Power	19.76 W	Efficacy	35.98 lm/W	Efficiency	100.00%
Sources Flux	710.84 lm	Maximum value	226.01 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

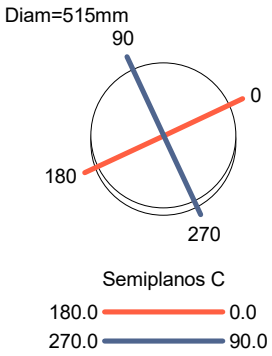
Round Luminaire	Diam. 515 mm	Height	315 mm
Round Luminous Area	Diam. 515 mm	Height	315 mm
Horizontal Luminous Area	0.208307 m2	Emitting area on Plane 180°	0.162225 m2
Emitting area on Plane 0°	0.162225 m2	Emitting area on Plane 270°	0.162225 m2
Emitting area on Plane 90°	0.162225 m2	Glare area at 76°	0.207800 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	16-02-2021	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	710.84 lm
Operator	Asselum T2	Rated Voltage	230.23 V
Temperature	25.30 °C	Rated Current	0.09 A
Humidity	35.30 %	Photocell	Prc
Notes	RM20111705; RM21021601		

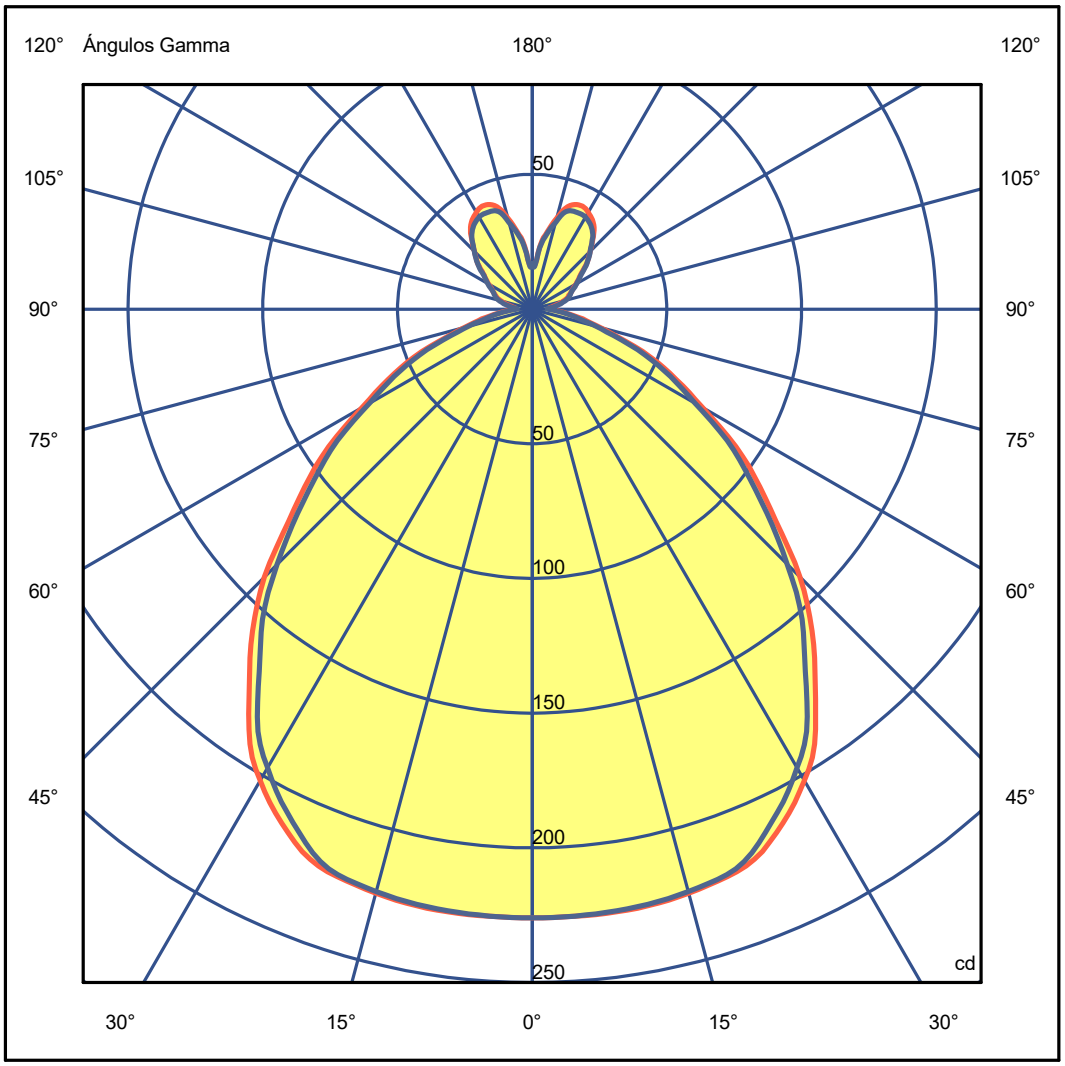
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED	710.84	19.76	1

C.I.E.	54 83 96 82 100	D DIN 5040	B41
F UTE	0.82 D + 0.18 T	B NBN	BZ 4







ULOR 18.31 %
DLOR 81.69 %
RN 18.31 %

Luminaire
Code 30301yyy127
Name FORA A LED RATTAN BROWN SHADE
Measurem.
Code CL092A21F006G
Name FORA A LED RATTAN BROWN SHADE

Luminaire Flux	710.84 lm	Luminaire Power	19.76 W	Efficacy	35.98 lm/W	Efficiency	100.00%
Sources Flux	710.84 lm	Maximum value	226.01 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

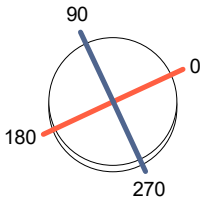
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	225.91	225.91	225.91	225.91	225.91	225.91	225.91
G 2.5	225.91	225.93	225.93	225.88	225.92	225.85	225.88
G 5.0	225.93	226.01	225.94	225.85	225.87	225.78	225.77
G 7.5	225.88	225.89	225.85	225.66	225.62	225.53	225.55
G 10.0	225.75	225.61	225.54	225.28	225.31	225.15	225.20
G 12.5	225.27	225.14	225.12	224.76	224.75	224.54	224.67
G 15.0	224.42	224.35	224.17	224.05	223.95	223.65	223.81
G 17.5	223.37	223.21	223.13	222.82	222.76	222.68	222.74
G 20.0	222.18	221.21	221.47	220.73	220.86	220.93	221.03
G 22.5	219.51	218.27	218.01	217.52	217.75	217.01	216.48
G 25.0	214.44	214.21	214.15	212.94	212.24	211.23	210.19
G 27.5	208.72	207.93	207.48	207.90	206.19	204.01	203.90
G 30.0	202.05	200.40	200.72	197.55	197.47	196.84	196.59
G 32.5	194.44	191.83	191.93	189.97	189.46	187.92	188.87
G 35.0	183.46	183.19	182.42	181.26	179.94	178.42	177.81
G 37.5	172.42	174.05	170.98	171.94	169.23	167.34	166.24
G 40.0	162.51	162.02	161.19	162.16	158.25	157.20	156.61
G 42.5	151.76	150.58	150.94	147.67	146.91	146.87	146.07
G 45.0	140.58	139.23	138.02	137.15	136.54	135.40	133.86
G 47.5	127.32	128.51	127.79	126.62	124.53	122.78	122.22
G 50.0	115.37	117.03	114.99	116.21	113.61	111.53	110.95
G 52.5	105.21	105.82	104.79	103.78	102.16	101.83	100.71
G 55.0	95.37	94.46	95.12	92.43	91.89	92.08	91.38
G 57.5	84.29	84.31	83.49	83.27	81.67	81.54	80.63
G 60.0	72.82	75.20	73.93	74.39	72.09	71.79	69.74
G 62.5	64.46	65.66	64.53	66.41	63.79	62.60	61.72
G 65.0	56.35	56.48	56.52	54.90	54.37	54.82	54.00
G 67.5	48.83	47.74	47.74	47.35	46.98	46.39	46.52
G 70.0	40.35	40.70	40.30	40.56	39.27	38.56	38.49
G 72.5	31.94	34.03	33.04	33.83	32.29	31.00	30.22
G 75.0	26.09	27.50	26.78	27.43	25.86	25.08	24.51
G 77.5	21.28	21.95	22.11	21.07	20.45	20.08	19.56
G 80.0	17.61	17.55	17.19	17.25	16.72	16.21	15.97
G 82.5	13.46	14.20	13.90	14.06	13.43	12.91	12.67
G 85.0	10.92	11.59	10.95	11.43	10.83	10.19	9.92
G 87.5	8.77	9.34	8.95	8.59	8.15	7.83	7.48
G 90.0	7.05	7.45	7.33	6.98	6.55	6.37	5.89
G 92.5	6.37	6.72	6.59	6.44	5.80	6.15	5.78
G 95.0	6.50	6.90	6.81	6.83	6.59	7.17	7.28
G 97.5	7.69	7.84	7.78	7.76	8.03	8.63	8.71
G100.0	9.23	9.33	9.22	9.66	9.73	10.09	10.19
G102.5	10.66	10.99	10.67	11.04	11.10	11.59	11.55
G105.0	12.20	12.23	12.07	12.28	12.45	12.93	12.88
G107.5	13.51	13.33	13.26	13.31	13.54	13.94	14.01
G110.0	14.35	14.32	14.11	14.14	14.31	14.64	14.82
G112.5	15.26	15.25	14.84	15.02	15.06	15.29	15.52
G115.0	16.20	16.22	15.70	15.62	15.81	16.14	16.44
G117.5	17.37	17.17	16.36	16.25	16.88	17.24	17.78
G120.0	18.79	18.35	17.33	17.08	18.06	18.43	19.06
G122.5	20.18	19.92	18.50	18.46	19.52	19.71	20.50
G125.0	21.82	21.81	20.08	19.86	21.05	21.27	22.11
G127.5	23.84	23.44	21.83	21.21	22.67	23.11	24.35
G130.0	26.44	25.24	23.85	22.71	24.49	25.28	26.52
G132.5	28.38	27.41	26.15	24.60	26.25	27.29	28.50
G135.0	30.47	29.85	28.22	27.56	28.37	29.34	30.45
G137.5	32.65	32.15	30.56	29.61	30.24	31.57	32.50
G140.0	35.34	33.91	32.69	31.53	32.41	33.70	34.90
G142.5	37.68	35.47	34.97	33.14	34.44	35.38	36.67
G145.0	39.41	36.97	36.32	34.93	36.14	36.66	37.94
G147.5	40.53	38.08	37.25	36.18	37.79	37.80	38.82
G150.0	41.50	38.88	37.74	36.92	38.96	38.77	39.44
G152.5	42.32	39.26	38.03	37.42	39.56	39.15	39.66
G155.0	42.49	39.22	38.23	37.63	39.82	39.08	39.55
G157.5	42.04	38.54	37.86	37.21	39.16	38.52	39.41
G160.0	40.92	37.28	36.93	35.92	37.82	37.40	38.83
G162.5	38.66	35.76	34.60	34.09	35.50	35.59	36.92
G165.0	34.91	33.59	31.75	31.52	32.08	33.00	33.34
G167.5	31.47	29.96	28.24	28.51	28.49	30.25	30.33
G170.0	28.02	26.21	24.89	24.32	24.49	27.67	27.29
G172.5	24.65	22.08	21.35	21.20	21.64	24.59	23.89
G175.0	18.57	17.71	17.39	17.38	17.69	19.87	18.60
G177.5	16.03	16.34	14.68	16.62	15.17	17.97	15.50
G180.0	16.95	16.95	16.95	16.95	16.95	16.95	16.95

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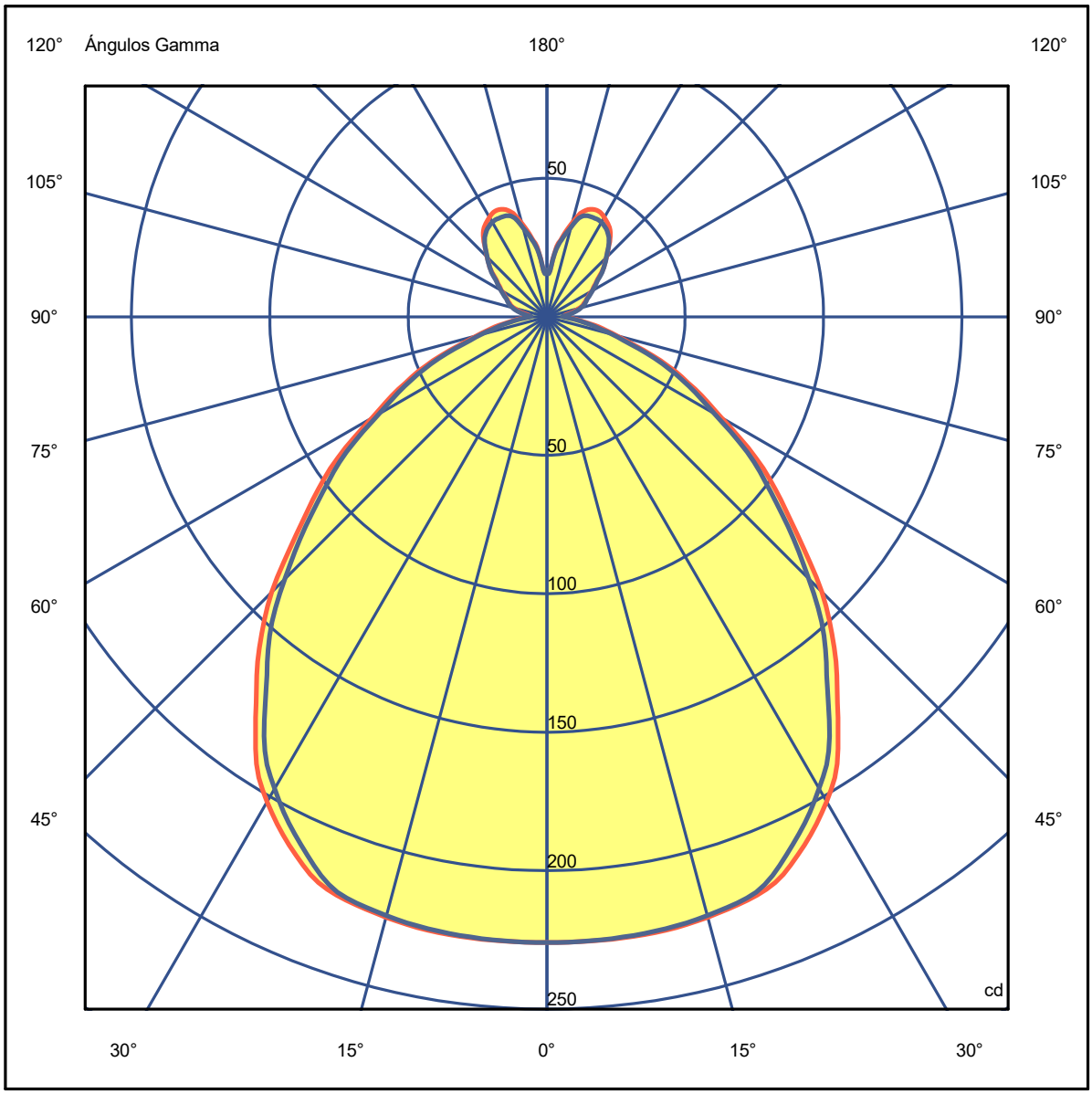
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Sources Flux	710.84 lm	Maximum value	226.01 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Diam=515mm



Semiplanos C

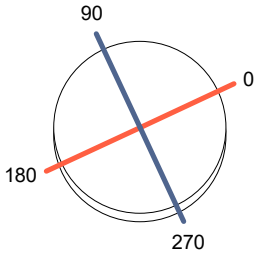




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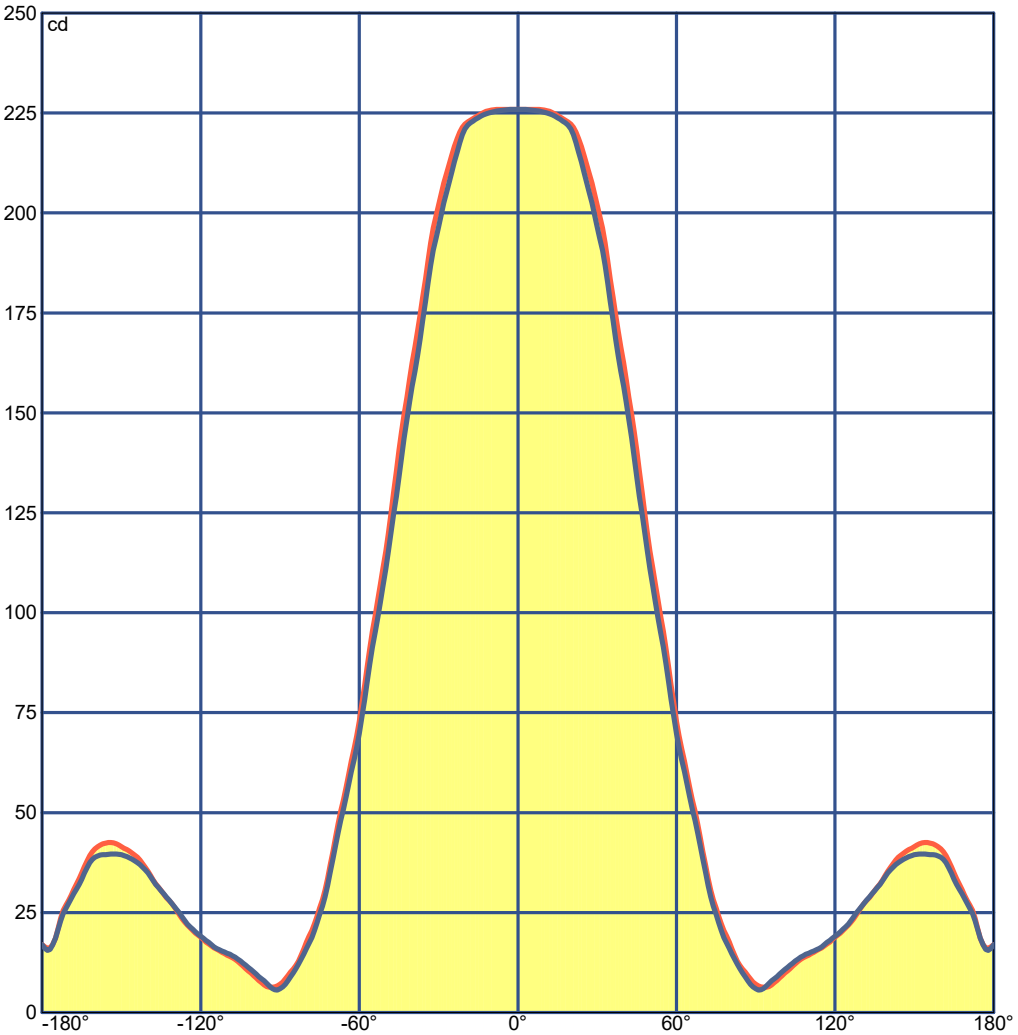
Luminaire Flux	710.84 lm	Luminaire Power	19.76 W	Efficacy	35.98 lm/W	Efficiency	100.00%
Sources Flux	710.84 lm	Maximum value	226.01 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Diam=515mm



Semiplanos C





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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	7.9	9.0	8.5	9.5	10.1	7.7	8.8	8.3	9.3	9.8
x=2H y=3H	8.7	9.6	9.2	10.1	10.8	8.4	9.4	9.0	9.9	10.5
x=2H y=4H	8.9	9.7	9.5	10.3	10.9	8.6	9.5	9.2	10.0	10.7
x=2H y=6H	9.0	9.8	9.6	10.4	11.0	8.7	9.5	9.3	10.1	10.7
x=2H y=8H	9.0	9.8	9.6	10.4	11.0	8.7	9.5	9.3	10.1	10.8
x=2H y=12H	9.0	9.7	9.6	10.3	11.0	8.7	9.4	9.3	10.0	10.7
x=4H y=2H	8.2	9.1	8.8	9.7	10.3	8.1	8.9	8.7	9.5	10.1
x=4H y=3H	9.1	9.8	9.7	10.4	11.1	8.9	9.6	9.5	10.2	10.9
x=4H y=4H	9.4	10.0	10.1	10.7	11.4	9.2	9.8	9.8	10.4	11.2
x=4H y=6H	9.6	10.1	10.3	10.8	11.6	9.3	9.9	10.0	10.5	11.3
x=4H y=8H	9.6	10.1	10.3	10.8	11.6	9.4	9.9	10.1	10.6	11.3
x=4H y=12H	9.7	10.1	10.4	10.8	11.6	9.4	9.9	10.1	10.5	11.3
x=8H y=4H	9.4	10.0	10.1	10.6	11.4	9.2	9.7	9.9	10.4	11.2
x=8H y=6H	9.7	10.1	10.4	10.8	11.6	9.5	9.9	10.2	10.6	11.4
x=8H y=8H	9.8	10.2	10.5	10.9	11.7	9.5	9.9	10.3	10.6	11.5
x=8H y=12H	9.9	10.2	10.6	10.9	11.8	9.6	9.9	10.4	10.7	11.5
x=12H y=4H	9.6	10.0	10.3	10.7	11.5	9.4	9.9	10.1	10.5	11.3
x=12H y=6H	9.8	10.2	10.6	10.9	11.7	9.6	10.0	10.4	10.7	11.5
x=12H y=8H	10.0	10.3	10.7	11.0	11.9	9.7	10.0	10.5	10.8	11.7

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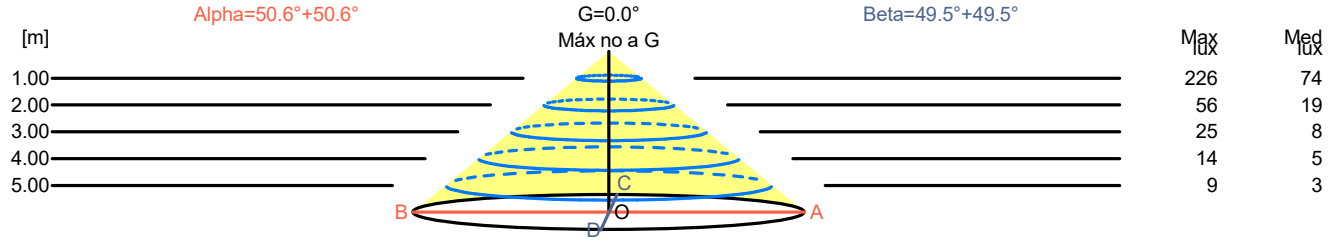
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Width at 50.00 % of Max Intensity

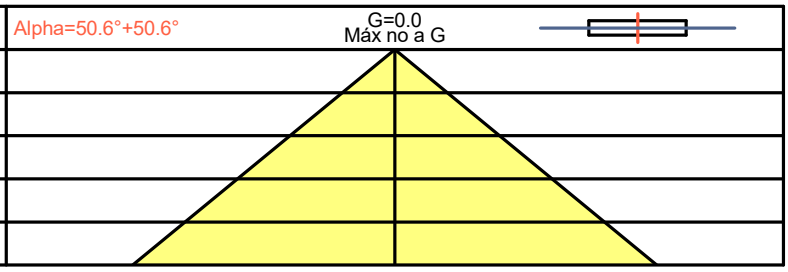
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.22	2.43	3.65	4.86	6.08	OC	1.17	2.35	3.52	4.69	5.86
OB	1.22	2.43	3.65	4.86	6.08	OD	1.17	2.35	3.52	4.69	5.86

Luminous Intensities [cd]

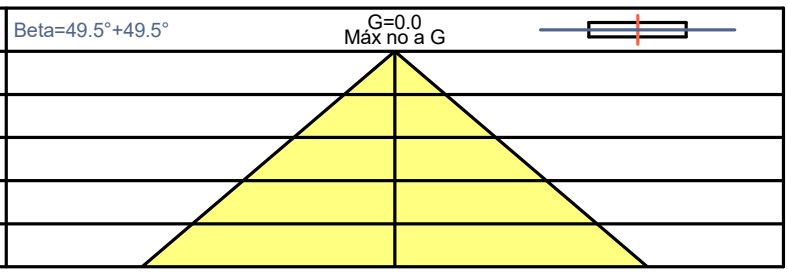
	0	5	15	25	35	45	55	65	75	85
OA	225.91	225.93	224.42	214.44	183.46	140.58	95.37	56.35	26.09	10.92
OB	225.91	225.93	224.42	214.44	183.46	140.58	95.37	56.35	26.09	10.92
OC	225.91	225.77	223.81	210.19	177.81	133.86	91.38	54.00	24.51	9.92
OD	225.91	225.77	223.81	210.19	177.81	133.86	91.38	54.00	24.51	9.92



H[m]	D[m]	Max lux	Med lux
1.00	2.43	226	74
2.00	4.86	56	19
3.00	7.30	25	8
4.00	9.73	14	5
5.00	12.16	9	3



H[m]	D[m]	Max lux	Med lux
1.00	2.35	226	74
2.00	4.69	56	19
3.00	7.04	25	8
4.00	9.38	14	5
5.00	11.73	9	3



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Flujo Total=710.84 Flujo Luminaria=710.84

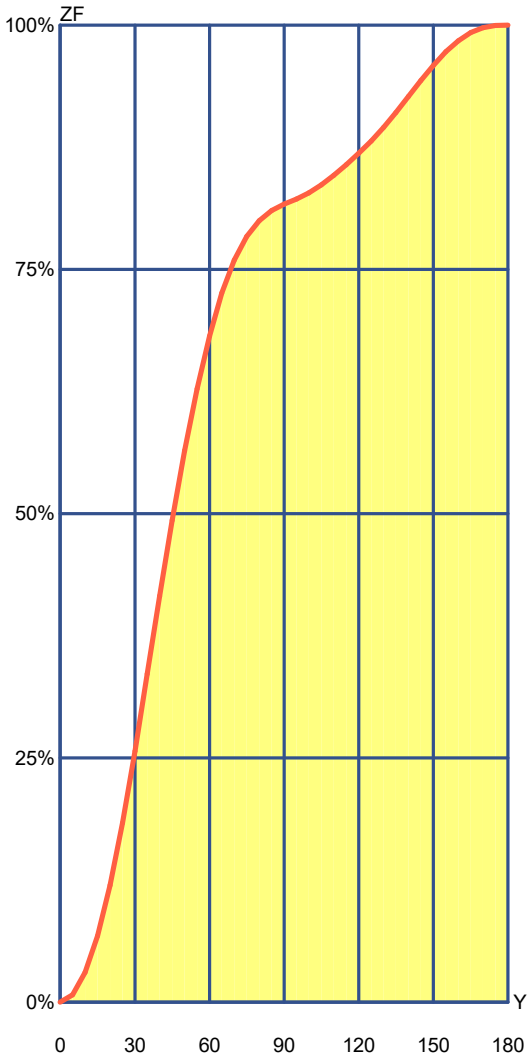
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.35	0.44	0.51	0.58	0.63	0.72	0.77	0.81	0.85	0.88	0.93	0.96
RC	4	4	4	4	4	4	4	4	4	4	4	4

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)	30	119	257	416	564	682	760	800	817	828	846	869	895	927	959	984	997	1000

Códigos de Flujo C.I.E.
54 83 96 82 100

C.I.E.	4	LOR	100.00000 %
D DIN 5040	B41	ULOR	18.31220 %
F UTE	0.82 D + 0.18 T	DLOR	81.68780 %
B NBN	BZ 4	UFF	18.31220 %
RN	18.31220 %	DFF	81.68780 %
BLF	1.0	FFR	22.41730 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.60	7.60	0.76 %	0.76 %
10°	22.71	30.31	2.27 %	3.03 %
15°	37.51	67.82	3.75 %	6.78 %
20°	51.64	119.47	5.16 %	11.95 %
25°	64.11	183.58	6.41 %	18.36 %
30°	73.37	256.95	7.34 %	25.70 %
35°	78.72	335.67	7.87 %	33.57 %
40°	79.97	415.64	8.00 %	41.56 %
45°	77.37	493.01	7.74 %	49.30 %
50°	71.48	564.49	7.15 %	56.45 %
55°	63.38	627.87	6.34 %	62.79 %
60°	53.92	681.79	5.39 %	68.18 %
65°	43.94	725.73	4.39 %	72.57 %
70°	33.78	759.51	3.38 %	75.95 %
75°	24.11	783.62	2.41 %	78.36 %
80°	16.05	799.67	1.60 %	79.97 %
85°	10.52	810.18	1.05 %	81.02 %
90°	6.69	816.88	0.67 %	81.69 %
95°	5.07	821.95	0.51 %	82.19 %
100°	6.22	828.17	0.62 %	82.82 %
105°	8.32	836.49	0.83 %	83.65 %
110°	9.89	846.38	0.99 %	84.64 %
115°	10.79	857.17	1.08 %	85.72 %
120°	11.59	868.76	1.16 %	86.88 %
125°	12.65	881.41	1.27 %	88.14 %
130°	13.93	895.34	1.39 %	89.53 %
135°	15.20	910.54	1.52 %	91.05 %
140°	16.19	926.74	1.62 %	92.67 %
145°	16.42	943.16	1.64 %	94.32 %
150°	15.62	958.77	1.56 %	95.88 %
155°	13.88	972.65	1.39 %	97.27 %
160°	11.37	984.02	1.14 %	98.40 %
165°	8.21	992.23	0.82 %	99.22 %
170°	4.92	997.16	0.49 %	99.72 %
175°	2.27	999.43	0.23 %	99.94 %
180°	0.57	1000.00	0.06 %	100.00 %

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Name FORA A LED RATTAN BROWN SHADE

Luminaire Flux	710.84 lm	Luminaire Power	19.76 W	Efficacy	35.98 lm/W	Efficiency	100.00%
Sources Flux	710.84 lm	Maximum value	226.01 cd	Position	C=15.00 G=5.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m

