Luminaire
Code 303022yy127
Name FORA 90 LED RATTAN BROWN SHADE
Measurem.
Code CL092A20F020GE1
Name FORA 90 LED RATTAN BROWN SHADE

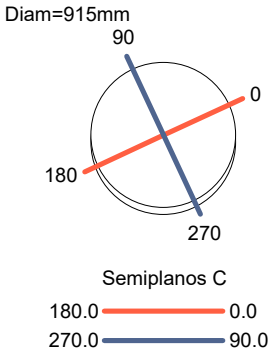
Luminaire Flux	891.72 lm	Luminaire Power	25.70 W	Efficacy	34.70 lm/W	Efficiency	100.00%
Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

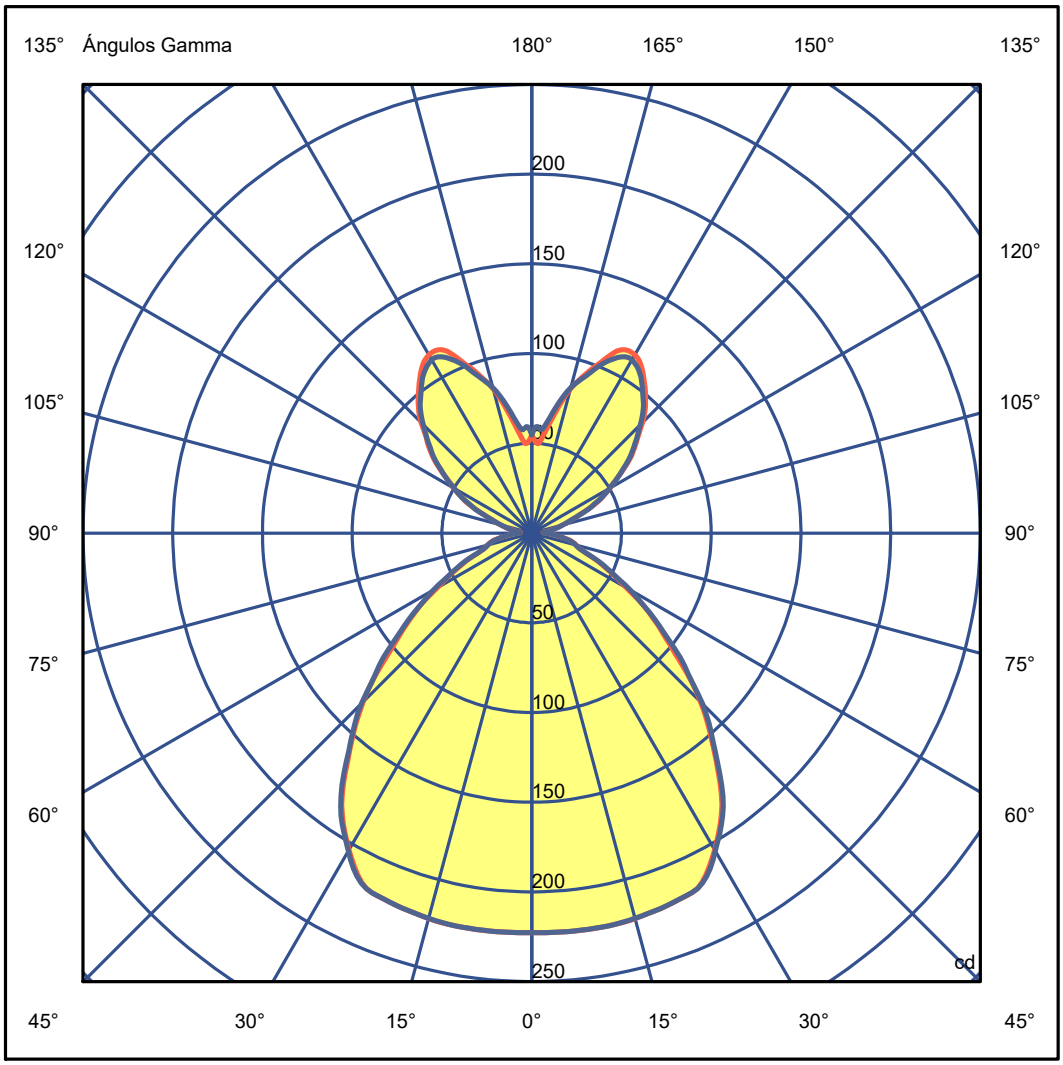
Round Luminaire	Diam. 915 mm	Height	560 mm
Round Luminous Area	Diam. 915 mm	Height	560 mm
Horizontal Luminous Area	0.657555 m2	Emitting area on Plane 180°	0.512400 m2
Emitting area on Plane 0°	0.512400 m2	Emitting area on Plane 270°	0.512400 m2
Emitting area on Plane 90°	0.512400 m2	Glare area at 76°	0.656256 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	16-12-2020	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	891.72 lm
Operator	Asselum T2	Rated Voltage	230.20 V
Temperature	24.90 °C	Rated Current	0.12 A
Humidity	29.40 %	Photocell	Prc
Notes			

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED	891.72	25.71	1

C.I.E.	56 84 95 63 100	D DIN 5040	B41
F UTE	0.63 D + 0.37 T	B NBN	BZ 3 / 1 / BZ 4





ULOR 36.79 %
DLOR 63.21 %
RN 36.79 %

Luminaire
Code 303010yy127
Name FORA 90 LED RATTAN BROWN SHADE
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Code CL092A20F020GE1
Name FORA 90 LED RATTAN BROWN SHADE

Luminaire Flux	891.72 lm	Luminaire Power	25.70 W	Efficacy	34.70 lm/W	Efficiency	100.00%
Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

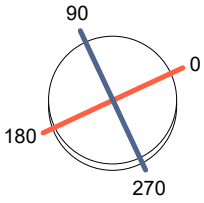
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	222.67	222.67	222.67	222.67	222.67	222.67	222.67
G 2.5	222.74	222.71	222.74	222.73	222.79	222.71	222.74
G 5.0	222.87	222.80	222.82	222.76	222.89	222.75	222.90
G 7.5	222.97	222.86	222.88	222.89	222.93	222.84	222.92
G 10.0	222.95	222.86	222.95	222.90	222.97	222.77	222.94
G 12.5	222.77	222.61	222.80	222.73	222.82	222.58	222.73
G 15.0	222.33	222.18	222.34	222.27	222.36	222.07	222.19
G 17.5	221.52	221.54	221.62	221.58	221.72	221.38	221.51
G 20.0	220.74	220.61	220.67	220.64	220.69	220.51	220.70
G 22.5	219.82	219.37	219.50	219.39	219.64	219.49	219.73
G 25.0	218.38	216.73	217.51	216.87	217.85	216.62	218.42
G 27.5	212.13	211.96	212.65	212.18	213.31	212.14	213.27
G 30.0	203.85	204.22	204.57	204.58	205.46	203.81	204.45
G 32.5	194.65	194.46	194.57	194.78	195.74	194.92	195.66
G 35.0	184.60	182.86	183.30	183.70	184.48	185.27	185.83
G 37.5	171.41	171.60	171.96	171.93	172.79	172.79	172.96
G 40.0	157.78	160.21	160.47	159.36	161.05	159.66	158.87
G 42.5	145.47	145.93	146.69	146.45	146.63	146.67	146.83
G 45.0	132.90	131.75	132.33	133.60	133.97	134.26	134.33
G 47.5	119.28	118.72	118.92	120.31	119.89	120.36	119.55
G 50.0	104.04	106.91	107.27	106.80	108.08	107.19	108.04
G 52.5	92.56	93.76	94.48	95.11	95.00	94.89	94.40
G 55.0	82.31	82.91	81.98	83.79	83.46	84.21	83.58
G 57.5	72.29	71.45	71.39	73.08	72.52	73.70	72.55
G 60.0	60.93	62.33	62.44	63.27	63.30	63.20	63.46
G 62.5	52.54	53.76	53.63	54.21	54.27	54.16	53.51
G 65.0	45.12	45.60	45.36	46.01	45.99	46.48	46.32
G 67.5	38.57	37.71	38.03	38.63	38.16	39.65	39.20
G 70.0	31.78	32.22	32.08	32.32	32.34	32.53	32.17
G 72.5	27.60	28.19	27.93	28.07	27.90	27.87	27.43
G 75.0	25.71	25.48	25.47	25.21	25.32	25.02	25.19
G 77.5	23.51	22.97	23.03	22.82	22.89	22.77	23.02
G 80.0	20.71	20.06	20.09	19.94	19.92	19.90	19.69
G 82.5	16.67	17.12	17.15	16.89	16.91	16.47	16.70
G 85.0	13.61	13.69	13.86	13.86	13.65	13.30	13.20
G 87.5	10.79	10.55	10.58	10.88	10.70	10.63	10.41
G 90.0	8.36	7.98	8.12	8.55	8.16	8.30	7.81
G 92.5	6.26	6.62	6.64	6.96	6.67	7.02	6.36
G 95.0	7.12	7.14	7.02	7.45	7.25	7.99	7.61
G 97.5	9.39	9.56	9.43	9.58	9.73	9.99	10.08
G100.0	11.94	12.19	12.28	11.99	12.49	12.46	12.48
G102.5	14.55	14.56	14.50	14.48	14.73	14.90	15.13
G105.0	17.89	17.28	17.15	17.54	17.30	17.77	17.96
G107.5	21.65	21.58	21.24	21.47	21.43	21.52	21.93
G110.0	26.42	26.59	26.69	26.59	26.41	26.05	26.57
G112.5	32.34	32.37	32.53	32.01	32.37	32.19	33.08
G115.0	39.35	37.72	37.96	38.26	37.72	38.19	38.62
G117.5	44.77	43.79	44.00	43.74	44.19	44.05	44.76
G120.0	50.23	50.05	49.88	49.86	49.68	49.48	50.11
G122.5	55.65	56.36	55.93	55.54	56.26	55.37	56.09
G125.0	62.68	61.95	61.34	61.26	61.72	61.87	61.93
G127.5	69.30	67.82	67.29	67.31	67.80	67.69	68.57
G130.0	74.94	73.96	73.70	73.37	73.78	72.92	73.94
G132.5	80.28	80.29	80.04	79.50	80.10	78.50	79.56
G135.0	87.19	85.78	85.57	85.40	85.38	84.50	85.60
G137.5	93.43	91.01	90.63	90.87	89.83	90.75	91.68
G140.0	98.49	96.86	95.19	95.62	94.48	95.58	96.66
G142.5	103.41	102.36	99.40	99.22	98.27	99.99	101.19
G145.0	108.14	106.89	102.94	100.77	101.46	104.29	106.01
G147.5	112.45	110.59	105.79	100.16	103.58	107.49	109.48
G150.0	114.75	113.06	107.68	99.17	104.09	108.75	111.57
G152.5	114.92	112.42	107.28	98.17	102.97	108.09	110.92
G155.0	112.01	108.93	105.07	96.63	100.37	104.90	107.14
G157.5	104.29	103.60	100.69	93.90	96.50	99.31	101.96
G160.0	97.30	96.72	94.02	90.24	91.47	92.89	95.35
G162.5	90.27	88.55	86.28	83.92	85.75	87.22	89.53
G165.0	83.32	79.84	78.86	77.17	77.67	80.72	83.94
G167.5	74.14	72.08	71.02	69.44	70.45	73.39	76.84
G170.0	64.77	63.41	61.65	61.44	62.99	65.57	68.78
G172.5	57.14	55.92	52.55	55.33	55.60	61.63	61.55
G175.0	51.01	51.68	47.89	52.39	52.00	59.93	57.79
G177.5	50.59	51.20	50.34	51.45	54.27	59.21	59.57
G180.0	54.73	54.73	54.73	54.73	54.73	54.73	54.73

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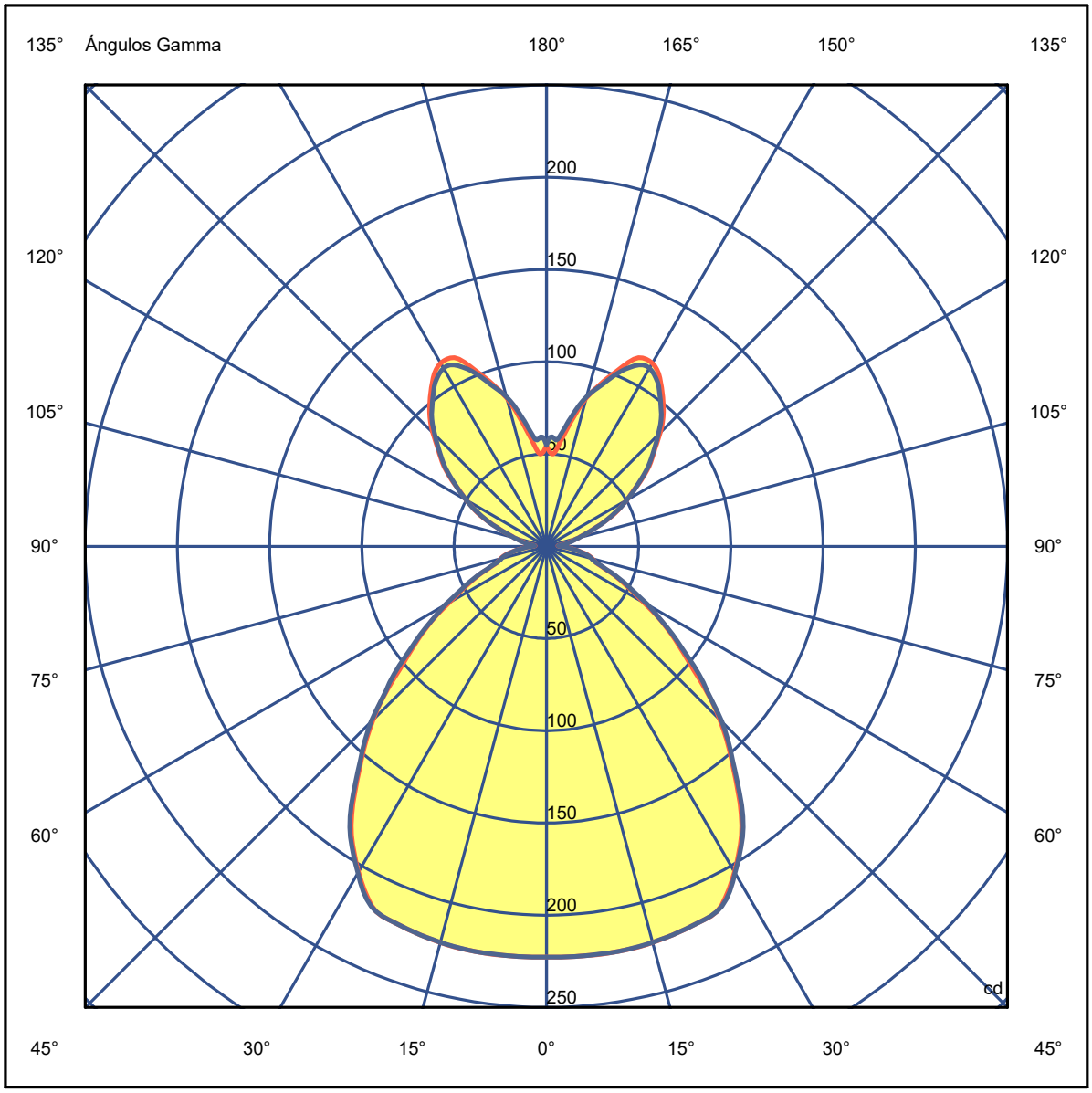
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Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

Diam=915mm



Semiplanos C

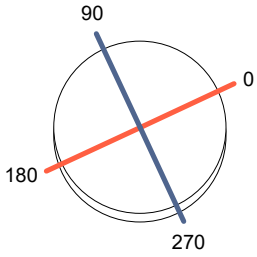




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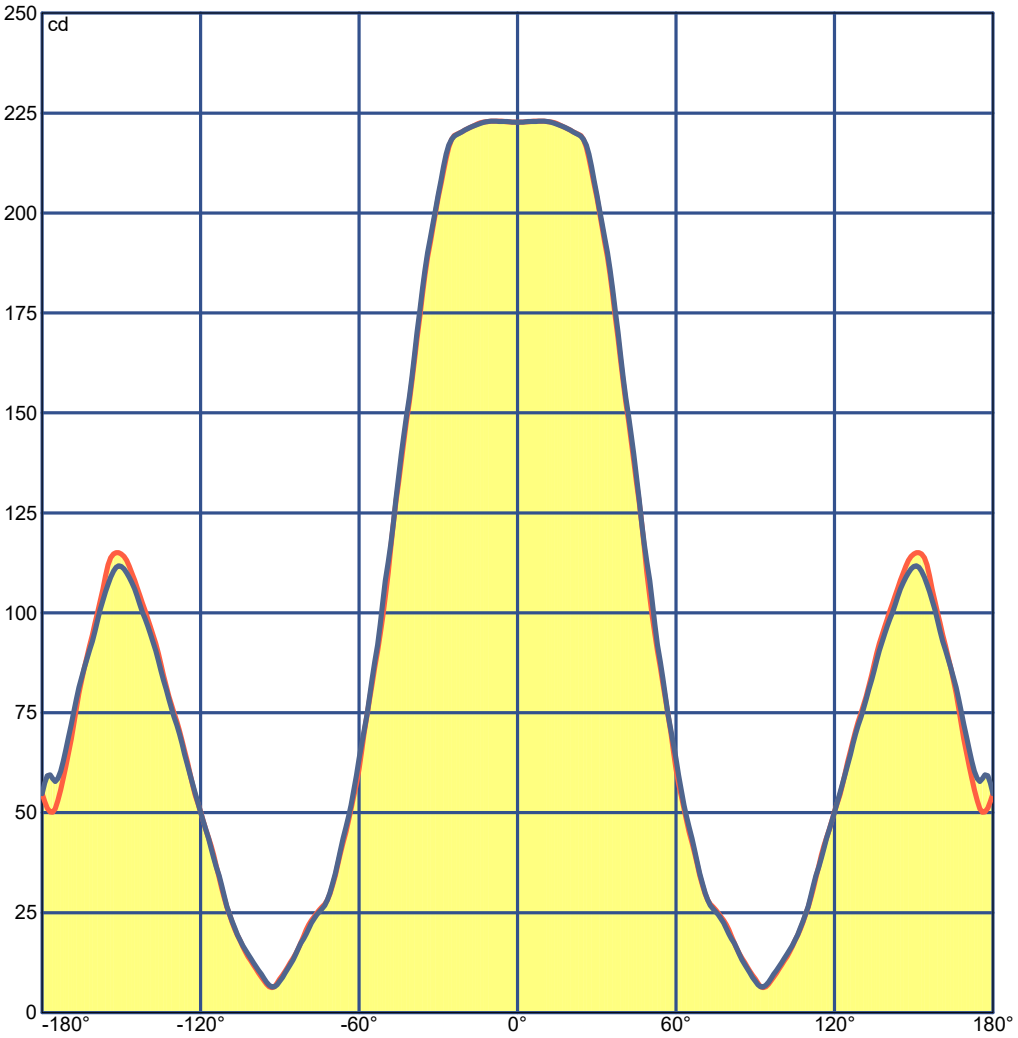
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Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

Diam=915mm



Semiplanos C





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Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	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	2.1	2.9	2.8	3.7	4.6	2.1	3.0	2.9	3.7	4.6
x=2H y=3H	2.6	3.3	3.4	4.1	5.1	2.7	3.4	3.4	4.2	5.1
x=2H y=4H	2.8	3.5	3.6	4.3	5.2	2.8	3.5	3.6	4.3	5.3
x=2H y=6H	3.0	3.6	3.8	4.4	5.4	3.0	3.7	3.8	4.5	5.5
x=2H y=8H	3.0	3.7	3.9	4.5	5.5	3.1	3.7	3.9	4.5	5.5
x=2H y=12H	3.1	3.7	3.9	4.5	5.5	3.1	3.7	4.0	4.5	5.5
x=4H y=2H	2.2	2.9	3.0	3.7	4.7	2.3	3.0	3.1	3.8	4.7
x=4H y=3H	2.9	3.5	3.7	4.3	5.3	2.9	3.5	3.8	4.4	5.4
x=4H y=4H	3.2	3.7	4.0	4.5	5.6	3.2	3.7	4.1	4.6	5.6
x=4H y=6H	3.5	3.9	4.4	4.8	5.9	3.5	4.0	4.4	4.8	5.9
x=4H y=8H	3.6	4.0	4.5	4.9	6.0	3.6	4.0	4.5	4.9	6.0
x=4H y=12H	3.7	4.1	4.6	5.0	6.1	3.7	4.1	4.6	5.0	6.1
x=8H y=4H	3.2	3.6	4.1	4.5	5.6	3.3	3.7	4.1	4.5	5.6
x=8H y=6H	3.6	4.0	4.6	4.9	6.0	3.7	4.0	4.6	4.9	6.0
x=8H y=8H	3.9	4.1	4.8	5.1	6.2	3.9	4.2	4.8	5.1	6.2
x=8H y=12H	4.0	4.3	5.0	5.2	6.4	4.0	4.3	5.0	5.2	6.4
x=12H y=4H	3.5	3.8	4.4	4.7	5.8	3.5	3.9	4.4	4.8	5.9
x=12H y=6H	3.9	4.2	4.8	5.1	6.2	3.9	4.2	4.8	5.1	6.3
x=12H y=8H	4.1	4.4	5.1	5.3	6.5	4.1	4.4	5.1	5.3	6.5

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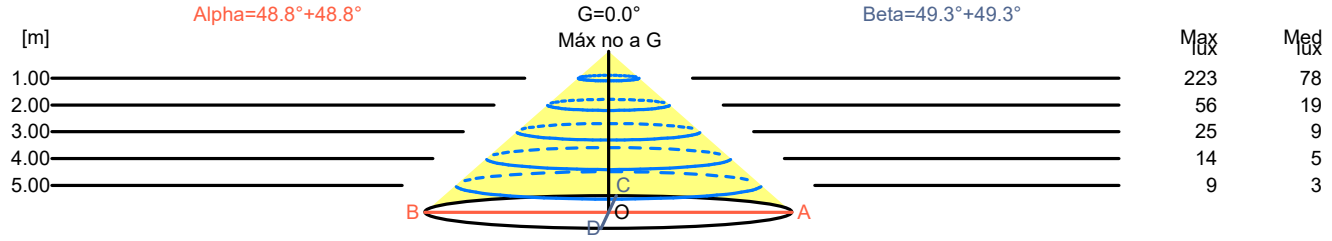
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Width at 50.00 % of Max Intensity

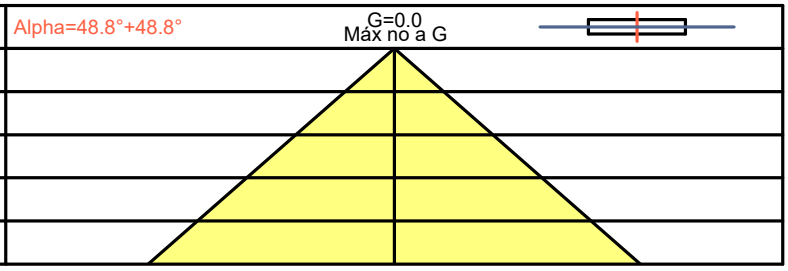
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.14	2.28	3.42	4.56	5.70	OC	1.16	2.32	3.48	4.64	5.80
OB	1.14	2.28	3.42	4.56	5.70	OD	1.16	2.32	3.48	4.64	5.80

Luminous Intensities [cd]

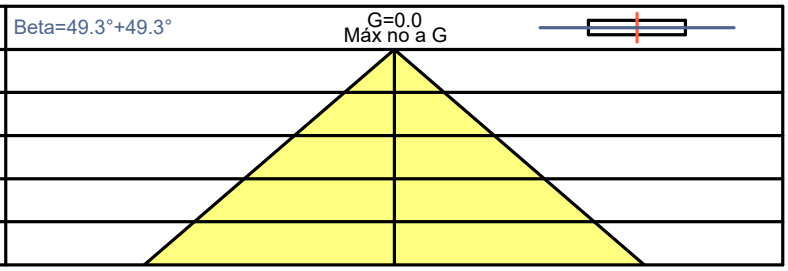
	0	5	15	25	35	45	55	65	75	85
OA	222.67	222.87	222.33	218.38	184.60	132.90	82.31	45.12	25.71	13.61
OB	222.67	222.87	222.33	218.38	184.60	132.90	82.31	45.12	25.71	13.61
OC	222.67	222.90	222.19	218.42	185.83	134.33	83.58	46.32	25.19	13.20
OD	222.67	222.90	222.19	218.42	185.83	134.33	83.58	46.32	25.19	13.20



H[m]	D[m]	Max lux	Med lux
1.00	2.28	223	78
2.00	4.56	56	19
3.00	6.84	25	9
4.00	9.12	14	5
5.00	11.40	9	3



H[m]	D[m]	Max lux	Med lux
1.00	2.32	223	78
2.00	4.64	56	19
3.00	6.96	25	9
4.00	9.28	14	5
5.00	11.61	9	3



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Flujo Total=891.72 Flujo Luminaria=891.72

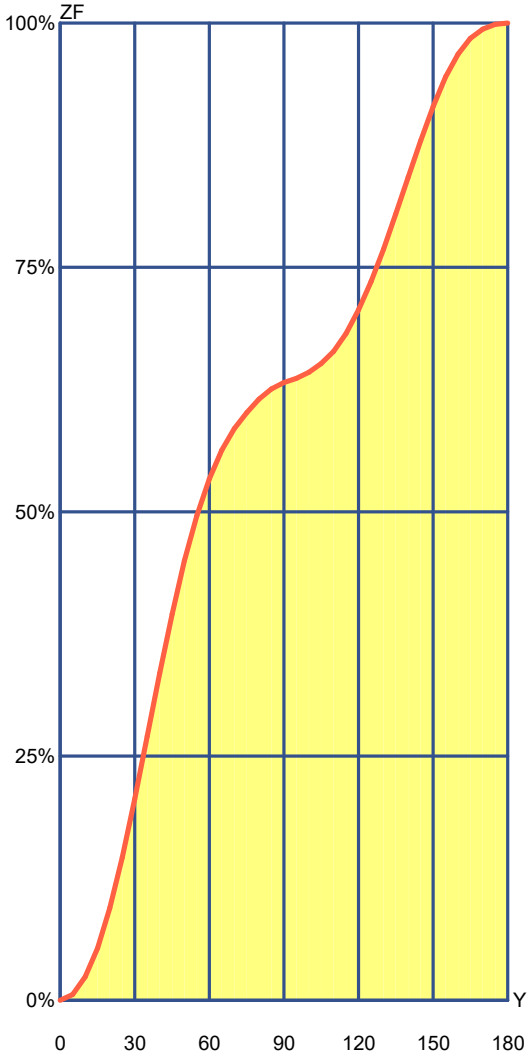
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.37	0.45	0.52	0.59	0.64	0.72	0.77	0.81	0.85	0.88	0.93	0.96
RC	4	4	4	4	4	4	4	4	4	4	4	5

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)	24	94	206	335	450	533	585	615	632	642	664	706	768	842	915	968	994	1000

Códigos de Flujo C.I.E.
56 84 95 63 100

C.I.E.	4/4/4/4/4/4/4/4/4/4/5	LOR	100.00000 %
D DIN 5040	B41	ULOR	36.78864 %
F UTE	0.63 D + 0.37 T	DLOR	63.21136 %
B NBN	BZ 3 / 1 / BZ 4	UFF	36.78864 %
RN	36.78864 %	DFF	63.21136 %
BLF	1.0	FFR	58.19942 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.97	5.97	0.60 %	0.60 %
10°	17.88	23.86	1.79 %	2.39 %
15°	29.62	53.47	2.96 %	5.35 %
20°	40.94	94.41	4.09 %	9.44 %
25°	51.57	145.98	5.16 %	14.60 %
30°	60.05	206.03	6.00 %	20.60 %
35°	64.22	270.25	6.42 %	27.02 %
40°	64.34	334.58	6.43 %	33.46 %
45°	60.77	395.35	6.08 %	39.54 %
50°	54.27	449.62	5.43 %	44.96 %
55°	46.18	495.80	4.62 %	49.58 %
60°	37.66	533.46	3.77 %	53.35 %
65°	29.46	562.92	2.95 %	56.29 %
70°	22.01	584.93	2.20 %	58.49 %
75°	16.61	601.54	1.66 %	60.15 %
80°	13.69	615.23	1.37 %	61.52 %
85°	10.26	625.49	1.03 %	62.55 %
90°	6.62	632.11	0.66 %	63.21 %
95°	4.45	636.56	0.44 %	63.66 %
100°	5.94	642.50	0.59 %	64.25 %
105°	8.86	651.36	0.89 %	65.14 %
110°	12.74	664.10	1.27 %	66.41 %
115°	18.35	682.45	1.83 %	68.24 %
120°	24.00	706.44	2.40 %	70.64 %
125°	28.93	735.37	2.89 %	73.54 %
130°	33.02	768.39	3.30 %	76.84 %
135°	36.08	804.47	3.61 %	80.45 %
140°	37.69	842.16	3.77 %	84.22 %
145°	37.43	879.59	3.74 %	87.96 %
150°	35.03	914.62	3.50 %	91.46 %
155°	30.23	944.85	3.02 %	94.48 %
160°	23.37	968.22	2.34 %	96.82 %
165°	16.09	984.31	1.61 %	98.43 %
170°	9.61	993.91	0.96 %	99.39 %
175°	4.65	998.56	0.47 %	99.86 %
180°	1.44	1000.00	0.14 %	100.00 %

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Name FORA 90 LED RATTAN BROWN SHADE

Luminaire Flux	891.72 lm	Luminaire Power	25.70 W	Efficacy	34.70 lm/W	Efficiency	100.00%
Sources Flux	891.72 lm	Maximum value	222.97 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

Isolux (Floor)

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

