Luminaire
Code 309_NANS_16_BEIGE
Name NANS 16 - OPTICAL SET -BEIGE
Measurem.
Code CL092A22F014G
Name NANS 16 - OPTICAL SET -BEIGE

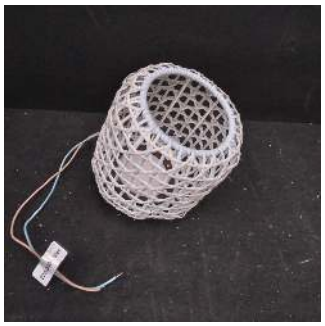
Luminaire Flux	246.63 lm	Luminaire Power	7.50 W	Efficacy	32.89 lm/W	Efficiency	100.00%
Sources Flux	246.63 lm	Maximum value	122.23 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Round Luminaire	Diam. 160 mm	Height	170 mm
Round Luminous Area	Diam. 80 mm	Height	0 mm
Horizontal Luminous Area	0.005027 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°	0.001216 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	02-05-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	246.63 lm
Operator	Asselum T2	Rated Voltage	230.21 V
Temperature	24.20 °C	Rated Current	0.03 A
Humidity	41.00 %	Photocell	Prc
Notes	Power 7.49890PF 0.96562		

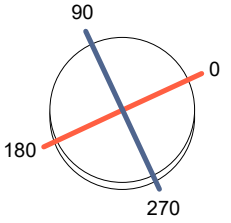
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	564011.02	VOSSLOH-SCHWABE IBERICA S.L.	246.63	7.50	1

C.I.E.	45 72 90 87 100	D DIN 5040	B31
F UTE	0.87 E + 0.13 T	B NBN	BZ 5



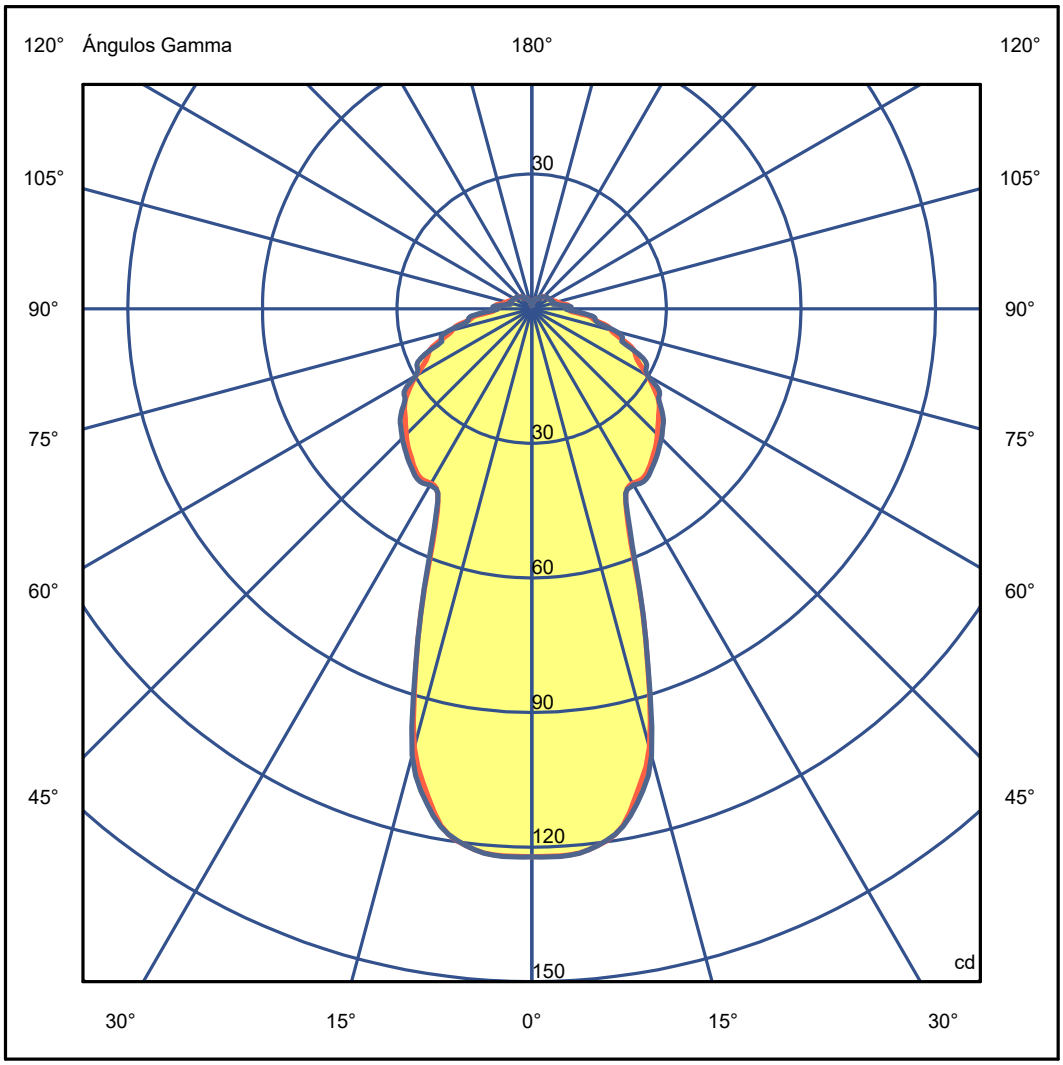
Diam=160mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 13.24 %
DLOR 86.76 %
RN 13.24 %



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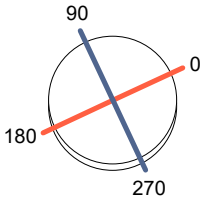
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	122.15	122.15	122.15	122.15	122.15	122.15	122.15
G 2.5	122.08	122.07	122.20	122.09	122.19	122.07	122.23
G 5.0	121.76	121.24	121.93	121.19	121.86	121.54	121.80
G 7.5	120.16	119.47	120.03	119.27	120.10	119.89	120.10
G 10.0	116.92	116.31	116.41	115.69	116.99	115.75	117.11
G 12.5	109.59	109.15	110.48	109.28	111.99	109.00	111.46
G 15.0	101.22	99.17	101.76	100.32	101.29	100.29	103.01
G 17.5	86.58	86.39	89.83	86.76	86.79	88.80	86.89
G 20.0	72.38	72.46	73.71	72.07	72.32	72.86	72.49
G 22.5	58.70	61.06	58.10	60.98	59.11	60.55	59.57
G 25.0	49.89	52.14	47.31	50.53	49.89	51.21	50.45
G 27.5	45.71	47.54	44.55	45.74	45.23	46.98	45.50
G 30.0	44.91	45.66	44.51	45.00	45.10	45.67	45.33
G 32.5	45.18	45.13	45.36	44.79	45.78	45.42	45.87
G 35.0	44.63	44.82	45.04	44.22	45.35	44.83	45.37
G 37.5	43.47	43.96	43.99	43.50	44.14	43.75	44.27
G 40.0	42.18	42.88	42.56	42.67	42.92	42.53	43.17
G 42.5	41.00	41.72	41.72	41.56	41.93	41.37	41.96
G 45.0	39.53	40.67	40.51	40.55	40.69	40.21	40.85
G 47.5	38.18	39.28	39.10	39.21	39.45	38.85	39.54
G 50.0	36.88	37.83	37.74	37.90	37.88	37.51	38.29
G 52.5	35.77	36.31	36.06	36.30	36.06	35.90	36.31
G 55.0	34.19	34.61	34.18	34.44	34.33	34.14	34.52
G 57.5	31.94	32.99	32.47	32.87	33.25	32.07	33.58
G 60.0	29.80	30.88	30.38	31.24	30.17	31.21	29.90
G 62.5	27.31	29.07	28.65	28.90	29.01	28.63	28.74
G 65.0	25.72	27.42	26.91	26.63	27.98	26.36	28.00
G 67.5	24.72	25.31	25.11	25.90	25.13	25.36	25.08
G 70.0	22.82	22.85	22.80	23.48	21.82	24.54	21.31
G 72.5	19.97	21.47	21.38	21.57	21.15	21.09	21.18
G 75.0	18.30	19.96	19.68	19.53	20.13	18.25	19.53
G 77.5	17.00	18.10	17.70	18.74	17.07	17.11	15.80
G 80.0	14.15	16.14	15.58	17.52	14.96	15.59	14.32
G 82.5	12.98	14.02	14.78	14.47	14.45	13.40	13.97
G 85.0	9.90	12.49	13.12	13.30	13.60	12.17	11.54
G 87.5	8.35	11.11	11.14	12.56	11.53	11.43	8.79
G 90.0	8.57	9.52	10.64	11.64	9.99	10.31	7.59
G 92.5	7.41	9.75	9.19	10.80	9.71	9.70	8.73
G 95.0	8.02	9.45	9.71	9.89	9.51	9.30	7.84
G 97.5	7.61	8.81	8.92	9.39	8.95	8.65	6.45
G100.0	6.34	8.34	7.74	8.74	8.10	7.75	5.70
G102.5	6.38	7.32	7.39	7.89	7.34	7.31	4.79
G105.0	5.72	6.92	6.47	7.39	6.85	6.46	5.12
G107.5	5.54	6.25	6.48	6.89	6.55	6.15	4.90
G110.0	5.22	5.95	6.04	6.63	6.22	5.75	4.86
G112.5	4.85	5.55	5.90	6.26	6.02	5.30	4.81
G115.0	4.79	5.20	5.58	6.04	5.75	5.09	4.66
G117.5	4.61	4.81	5.41	5.70	5.49	4.74	4.56
G120.0	4.44	4.62	5.04	5.39	5.15	4.45	4.50
G122.5	4.33	4.40	4.90	5.12	4.94	4.21	4.38
G125.0	4.30	4.19	4.52	4.87	4.71	3.98	4.24
G127.5	4.12	3.97	4.40	4.57	4.44	3.87	4.18
G130.0	4.00	3.79	4.14	4.37	4.17	3.69	4.11
G132.5	3.89	3.65	3.89	4.08	3.92	3.57	3.96
G135.0	3.70	3.48	3.66	3.84	3.69	3.46	3.71
G137.5	3.71	3.36	3.37	3.53	3.41	3.25	3.57
G140.0	3.52	3.20	3.17	3.29	3.12	3.10	3.49
G142.5	3.22	3.02	2.94	3.02	2.93	3.01	3.35
G145.0	3.09	2.88	2.77	2.76	2.69	2.86	3.18
G147.5	2.88	2.78	2.58	2.55	2.57	2.72	2.91
G150.0	2.79	2.72	2.48	2.41	2.47	2.65	2.77
G152.5	2.64	2.56	2.33	2.28	2.37	2.50	2.66
G155.0	2.49	2.41	2.21	2.16	2.19	2.37	2.40
G157.5	2.33	2.27	2.11	1.99	2.07	2.22	2.31
G160.0	2.13	2.10	1.94	1.84	1.93	2.10	2.17
G162.5	2.03	1.95	1.78	1.68	1.77	1.91	2.02
G165.0	1.85	1.76	1.61	1.55	1.64	1.78	1.84
G167.5	1.66	1.57	1.42	1.41	1.49	1.57	1.62
G170.0	1.39	1.27	1.30	1.27	1.32	1.26	1.39
G172.5	1.08	1.02	1.08	1.00	1.10	0.99	1.02
G175.0	0.82	0.89	0.79	0.90	0.79	0.82	0.73
G177.5	0.71	0.75	0.73	0.78	0.71	0.72	0.68
G180.0	0.69	0.69	0.69	0.69	0.69	0.69	0.69

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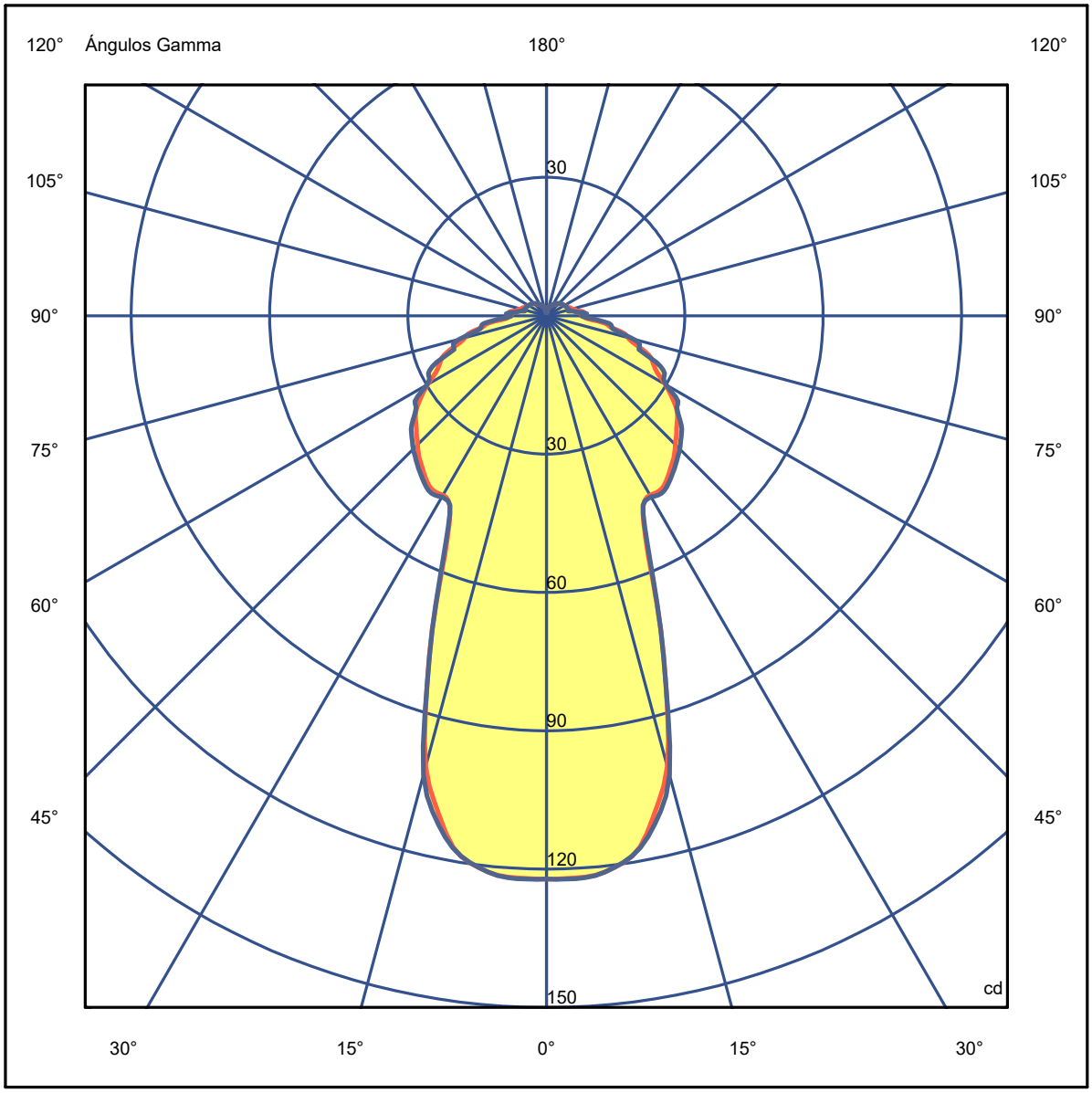
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Sources Flux	246.63 lm	Maximum value	122.23 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Diam=160mm



Semiplanos C

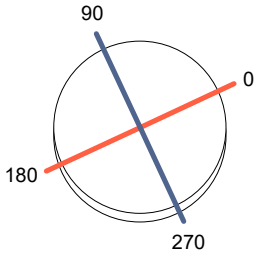




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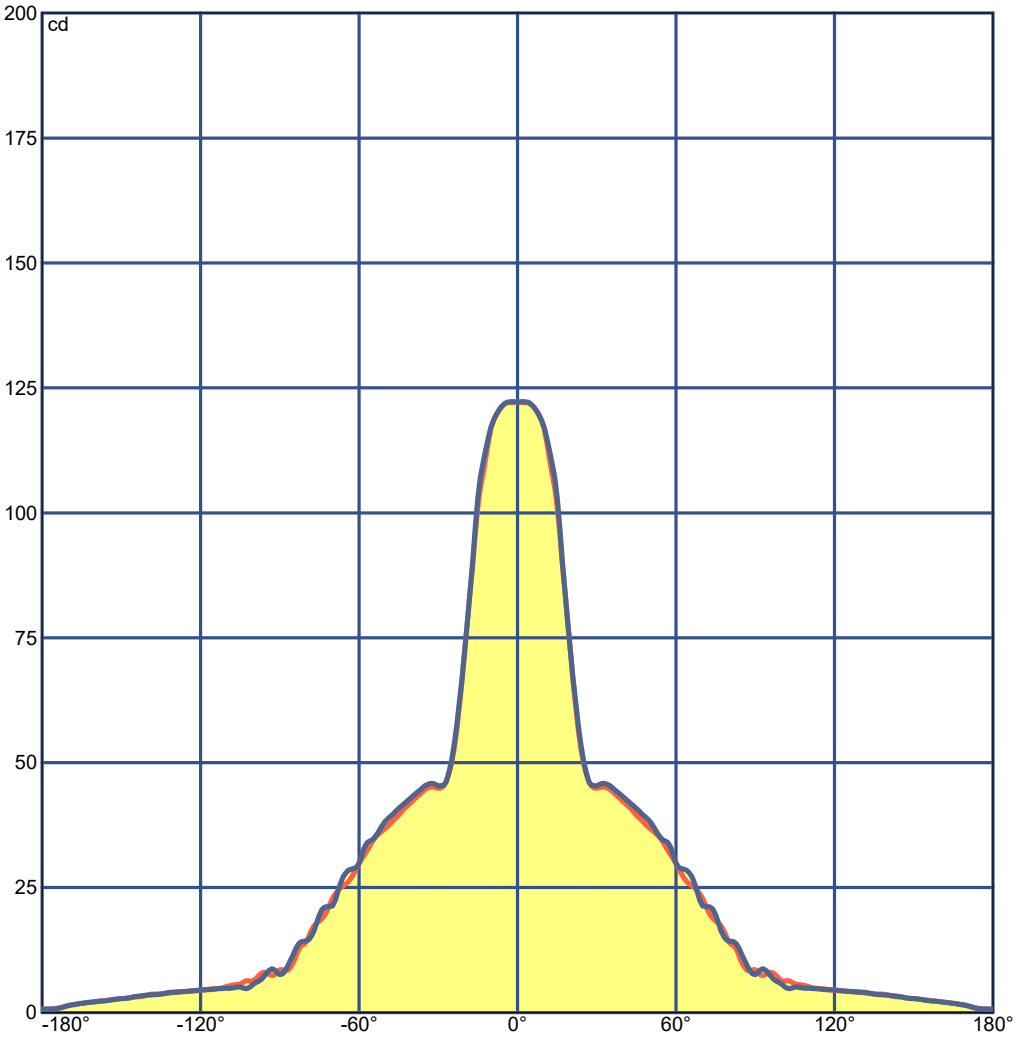
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Sources Flux	246.63 lm	Maximum value	122.23 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical	

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	20.1	21.3	20.6	21.8	22.3	20.1	21.3	20.6	21.8	22.3
x=2H y=3H	22.2	23.3	22.7	23.8	24.4	22.3	23.4	22.8	23.9	24.4
x=2H y=4H	23.3	24.3	23.8	24.8	25.4	23.3	24.3	23.8	24.8	25.4
x=2H y=6H	24.3	25.3	24.9	25.8	26.4	24.3	25.2	24.8	25.8	26.3
x=2H y=8H	24.9	25.8	25.4	26.3	26.9	24.8	25.7	25.4	26.3	26.9
x=2H y=12H	25.4	26.3	25.9	26.8	27.4	25.4	26.3	26.0	26.9	27.5
x=4H y=2H	20.9	22.0	21.5	22.5	23.0	21.0	22.0	21.5	22.5	23.1
x=4H y=3H	23.2	24.1	23.8	24.7	25.3	23.3	24.2	23.8	24.7	25.3
x=4H y=4H	24.5	25.3	25.1	25.8	26.5	24.4	25.2	25.0	25.8	26.5
x=4H y=6H	25.8	26.5	26.4	27.0	27.7	25.6	26.3	26.2	26.9	27.6
x=4H y=8H	26.4	27.0	27.0	27.6	28.3	26.3	26.9	26.9	27.5	28.2
x=4H y=12H	27.0	27.6	27.6	28.2	28.9	27.0	27.6	27.6	28.2	28.9
x=8H y=4H	25.0	25.7	25.6	26.3	27.0	25.0	25.6	25.6	26.2	26.9
x=8H y=6H	26.5	27.1	27.2	27.7	28.4	26.4	27.0	27.1	27.6	28.3
x=8H y=8H	27.4	27.8	28.0	28.5	29.2	27.2	27.7	27.9	28.4	29.1
x=8H y=12H	28.2	28.6	28.9	29.3	30.1	28.1	28.6	28.8	29.2	30.0
x=12H y=4H	25.8	26.4	26.5	27.1	27.8	25.9	26.5	26.5	27.1	27.8
x=12H y=6H	27.2	27.7	27.9	28.4	29.1	27.2	27.6	27.8	28.3	29.0
x=12H y=8H	28.0	28.4	28.7	29.1	29.9	28.0	28.4	28.7	29.1	29.8

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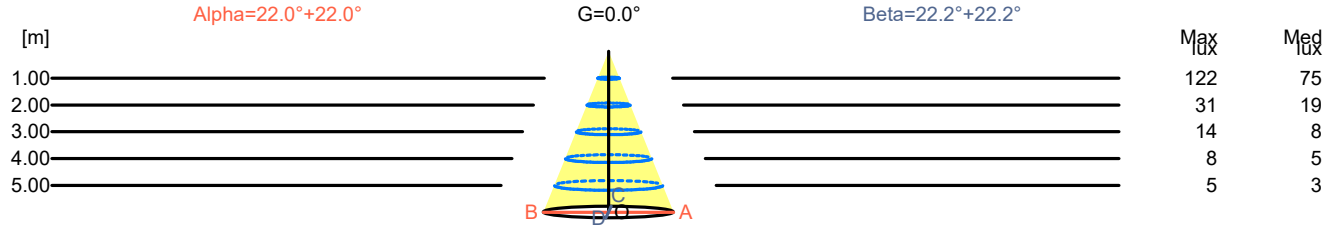
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Width at 50.00 % of Max Intensity

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	0.40	0.81	1.21	1.62	2.02	OC	0.41	0.82	1.22	1.63	2.04
OB	0.40	0.81	1.21	1.62	2.02	OD	0.41	0.82	1.22	1.63	2.04

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	122.15	121.76	101.22	49.89	44.63	39.53	34.19	25.72	18.30	9.90
OB	122.15	121.76	101.22	49.89	44.63	39.53	34.19	25.72	18.30	9.90
OC	122.15	121.80	103.01	50.45	45.37	40.85	34.52	28.00	19.53	11.54
OD	122.15	121.80	103.01	50.45	45.37	40.85	34.52	28.00	19.53	11.54



H[m]	D[m]	Max lux	Med lux	Alpha=22.0°+22.0° G=0.0
1.00	0.81	122	75	
2.00	1.62	31	19	
3.00	2.43	14	8	
4.00	3.24	8	5	
5.00	4.04	5	3	

H[m]	D[m]	Max lux	Med lux	Beta=22.2°+22.2° G=0.0
1.00	0.82	122	75	
2.00	1.63	31	19	
3.00	2.45	14	8	
4.00	3.26	8	5	
5.00	4.08	5	3	

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Flujo Total=246.63 Flujo Luminaria=246.63

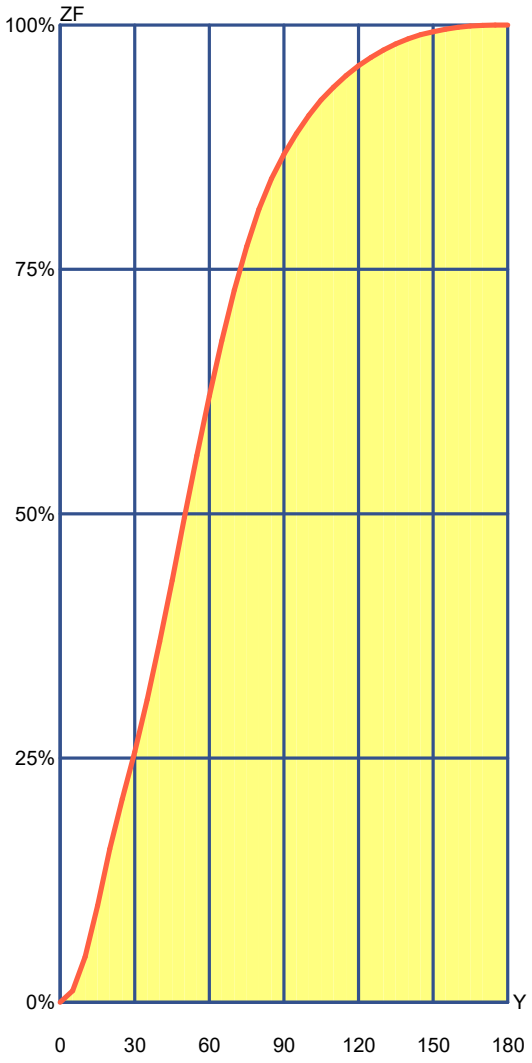
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.30	0.37	0.43	0.50	0.55	0.63	0.69	0.73	0.78	0.82	0.90	0.94
RC	5	5	6	6	6	6	6	6	6	6	6	6

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)	46	157	256	369	496	620	729	812	868	908	937	958	975	986	993	998	1000	1000

Códigos de Flujo C.I.E.
45 72 90 87 100

C.I.E.	5/5/6/6/6/6/6/6/6/6/6	LOR	100.00000 %
D DIN 5040	B31	ULOR	13.24272 %
F UTE	0.87 E + 0.13 T	DLOR	86.75728 %
B NBN	BZ 5	UFF	13.24272 %
RN	13.24272 %	DFF	86.75728 %
BLF	1.0	FFR	15.26411 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.82	11.82	1.18 %	1.18 %
10°	34.57	46.39	3.46 %	4.64 %
15°	52.41	98.80	5.24 %	9.88 %
20°	57.91	156.72	5.79 %	15.67 %
25°	51.31	208.03	5.13 %	20.80 %
30°	47.99	256.02	4.80 %	25.60 %
35°	53.95	309.97	5.39 %	31.00 %
40°	59.28	369.24	5.93 %	36.92 %
45°	62.46	431.70	6.25 %	43.17 %
50°	64.07	495.77	6.41 %	49.58 %
55°	63.59	559.36	6.36 %	55.94 %
60°	61.10	620.46	6.11 %	62.05 %
65°	56.70	677.16	5.67 %	67.72 %
70°	51.58	728.74	5.16 %	72.87 %
75°	44.90	773.64	4.49 %	77.36 %
80°	38.03	811.67	3.80 %	81.17 %
85°	31.09	842.75	3.11 %	84.28 %
90°	24.82	867.57	2.48 %	86.76 %
95°	21.32	888.89	2.13 %	88.89 %
100°	18.91	907.80	1.89 %	90.78 %
105°	15.54	923.34	1.55 %	92.33 %
110°	13.27	936.61	1.33 %	93.66 %
115°	11.61	948.23	1.16 %	94.82 %
120°	10.10	958.33	1.01 %	95.83 %
125°	8.71	967.04	0.87 %	96.70 %
130°	7.46	974.50	0.75 %	97.45 %
135°	6.29	980.80	0.63 %	98.08 %
140°	5.15	985.95	0.52 %	98.60 %
145°	4.11	990.06	0.41 %	99.01 %
150°	3.23	993.29	0.32 %	99.33 %
155°	2.51	995.80	0.25 %	99.58 %
160°	1.84	997.64	0.18 %	99.76 %
165°	1.24	998.89	0.12 %	99.89 %
170°	0.73	999.62	0.07 %	99.96 %
175°	0.31	999.93	0.03 %	99.99 %
180°	0.07	1000.00	0.01 %	100.00 %

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Name NANS 16 - OPTICAL SET -BEIGE

Luminaire Flux	246.63 lm	Luminaire Power	7.50 W	Efficacy	32.89 lm/W	Efficiency	100.00%
Sources Flux	246.63 lm	Maximum value	122.23 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Isolux (Floor)

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

