Luminaire
Code 309_NANS_SPHERE_80_BEIGE
Name NANS SPHERE 80 - OPTICAL SET -BEIGE
Measurem.
Code CL092A22F008G
Name NANS SPHERE 80 - OPTICAL SET -BEIGE

Luminaire Flux	722.60 lm	Luminaire Power	24.09 W	Efficacy	29.99 lm/W	Efficiency	100.00%
Sources Flux	722.60 lm	Maximum value	318.26 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 900 mm	Height	750 mm
Round Luminous Area	Diam. 900 mm	Height	750 mm
Horizontal Luminous Area	0.636173 m2	Emitting area on Plane 180°	0.675000 m2
Emitting area on Plane 0°	0.675000 m2	Emitting area on Plane 270°	0.675000 m2
Emitting area on Plane 90°	0.675000 m2	Glare area at 76°	0.808854 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	07-03-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	722.60 lm
Operator	ASSELUM	Rated Voltage	34.37 V
Temperature	23.40 °C	Rated Current	0.70 A
Humidity	29.40 %	Photocell	Prc
Notes	RM22030201		

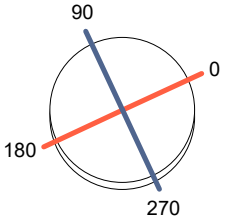
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	GW JTLMS1	OSRAM	722.60	34.37	1

C.I.E.	43 76 93 86 100	D DIN 5040	B31
F UTE	0.86 E + 0.14 T	B NBN	BZ 5



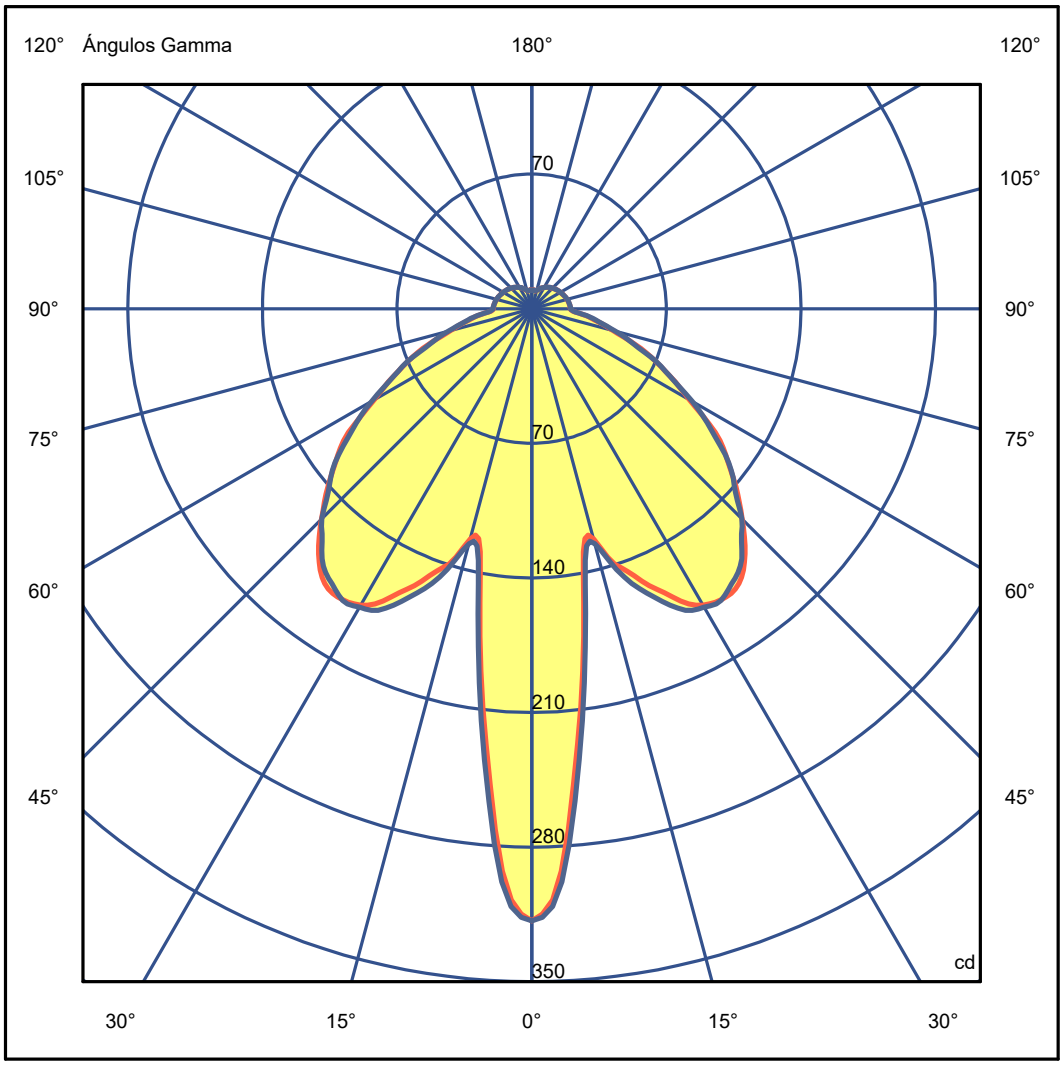
Diam=900mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 14.22 %
DLOR 85.78 %
RN 14.22 %



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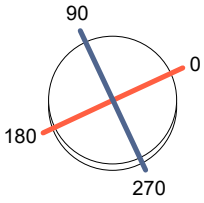
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	318.26	318.26	318.26	318.26	318.26	318.26	318.26
G 2.5	301.37	295.47	289.78	288.45	293.95	301.80	305.80
G 5.0	248.44	249.05	250.33	252.17	254.35	256.23	257.02
G 7.5	199.39	199.24	198.94	199.64	201.99	204.70	206.00
G 10.0	155.47	154.22	153.25	153.73	156.33	159.44	160.95
G 12.5	125.17	127.97	130.78	132.33	131.82	130.34	129.50
G 15.0	123.83	124.19	124.54	124.86	125.46	126.11	126.41
G 17.5	137.60	136.71	134.95	134.24	135.83	138.31	139.60
G 20.0	145.18	145.47	145.20	145.75	148.00	150.67	151.97
G 22.5	154.74	154.92	154.98	155.25	157.51	160.04	161.24
G 25.0	162.97	163.35	164.03	165.52	167.31	168.95	170.03
G 27.5	172.30	171.68	171.53	172.41	174.28	176.27	176.87
G 30.0	177.90	177.43	177.29	177.74	178.30	178.91	179.20
G 32.5	180.24	179.82	179.92	180.26	180.47	180.79	180.96
G 35.0	180.69	180.65	180.82	180.66	179.84	178.73	178.17
G 37.5	178.10	176.85	176.23	176.35	175.50	174.75	174.87
G 40.0	172.06	170.59	170.28	171.53	170.96	170.17	169.78
G 42.5	163.91	162.99	163.03	163.64	162.56	161.30	161.39
G 45.0	154.62	154.20	154.31	154.55	154.61	154.53	154.46
G 47.5	145.76	145.67	145.91	145.94	145.37	144.60	144.22
G 50.0	136.76	136.22	135.50	135.15	135.53	136.21	136.58
G 52.5	127.87	126.74	125.44	124.92	125.80	127.21	127.95
G 55.0	119.49	117.97	116.12	114.97	115.23	116.18	116.73
G 57.5	107.21	106.13	104.75	104.11	104.87	106.20	106.91
G 60.0	94.70	93.75	92.92	92.87	93.99	95.46	96.20
G 62.5	85.45	84.54	83.76	83.52	84.06	84.87	85.29
G 65.0	76.57	75.32	74.03	73.58	74.47	75.88	76.61
G 67.5	68.57	66.96	65.48	65.02	66.10	67.73	68.57
G 70.0	60.42	59.37	58.46	57.98	58.12	58.54	58.78
G 72.5	51.21	50.89	50.58	50.58	51.06	51.69	52.00
G 75.0	43.74	43.52	43.52	43.77	44.27	44.79	45.02
G 77.5	38.17	37.89	37.65	37.65	38.03	38.52	38.77
G 80.0	33.09	33.11	33.10	33.16	33.36	33.61	33.72
G 82.5	29.16	28.82	28.47	28.40	28.79	29.34	29.62
G 85.0	24.33	24.51	24.58	24.57	24.49	24.39	24.35
G 87.5	20.77	21.19	21.69	21.94	21.73	21.31	21.08
G 90.0	20.06	20.04	20.07	20.13	20.14	20.14	20.19
G 92.5	19.98	19.78	19.61	19.54	19.69	19.91	20.09
G 95.0	19.86	19.68	19.50	19.40	19.55	19.78	19.90
G 97.5	19.73	19.46	19.23	19.17	19.35	19.63	19.77
G100.0	19.42	19.25	19.08	18.98	19.12	19.35	19.52
G102.5	19.14	18.95	18.80	18.74	18.91	19.16	19.35
G105.0	18.95	18.79	18.64	18.54	18.68	18.88	19.05
G107.5	18.70	18.50	18.35	18.26	18.39	18.59	18.75
G110.0	18.42	18.22	18.06	17.98	18.12	18.33	18.44
G112.5	18.14	17.98	17.81	17.69	17.81	18.00	18.10
G115.0	17.83	17.66	17.49	17.36	17.49	17.69	17.80
G117.5	17.42	17.27	17.12	17.08	17.20	17.38	17.47
G120.0	17.16	16.99	16.82	16.76	16.87	17.05	17.14
G122.5	16.88	16.65	16.46	16.40	16.56	16.79	16.92
G125.0	16.55	16.33	16.16	16.07	16.24	16.50	16.64
G127.5	16.27	16.08	15.88	15.75	15.90	16.14	16.26
G130.0	15.92	15.77	15.61	15.50	15.62	15.82	15.92
G132.5	15.51	15.38	15.24	15.20	15.32	15.51	15.61
G135.0	15.18	15.05	14.92	14.88	14.99	15.17	15.26
G137.5	14.86	14.75	14.64	14.60	14.69	14.84	14.91
G140.0	14.52	14.41	14.28	14.24	14.34	14.49	14.57
G142.5	14.11	14.01	13.90	13.87	13.95	14.08	14.12
G145.0	13.66	13.60	13.52	13.51	13.61	13.75	13.80
G147.5	13.25	13.19	13.12	13.09	13.14	13.22	13.27
G150.0	12.83	12.77	12.68	12.64	12.70	12.79	12.84
G152.5	12.39	12.33	12.24	12.20	12.24	12.32	12.37
G155.0	11.97	11.86	11.72	11.66	11.73	11.87	11.94
G157.5	11.38	11.30	11.19	11.14	11.23	11.37	11.45
G160.0	10.85	10.75	10.63	10.60	10.74	10.95	11.05
G162.5	10.38	10.30	10.17	10.12	10.21	10.35	10.43
G165.0	9.95	9.81	9.69	9.68	9.80	9.99	10.09
G167.5	9.67	9.58	9.48	9.46	9.55	9.69	9.76
G170.0	9.58	9.49	9.35	9.29	9.41	9.60	9.70
G172.5	9.75	9.60	9.43	9.35	9.47	9.66	9.76
G175.0	9.85	9.75	9.63	9.57	9.63	9.73	9.78
G177.5	10.02	9.89	9.77	9.70	9.74	9.83	9.90
G180.0	9.76	9.76	9.76	9.76	9.76	9.76	9.76

Luminaire
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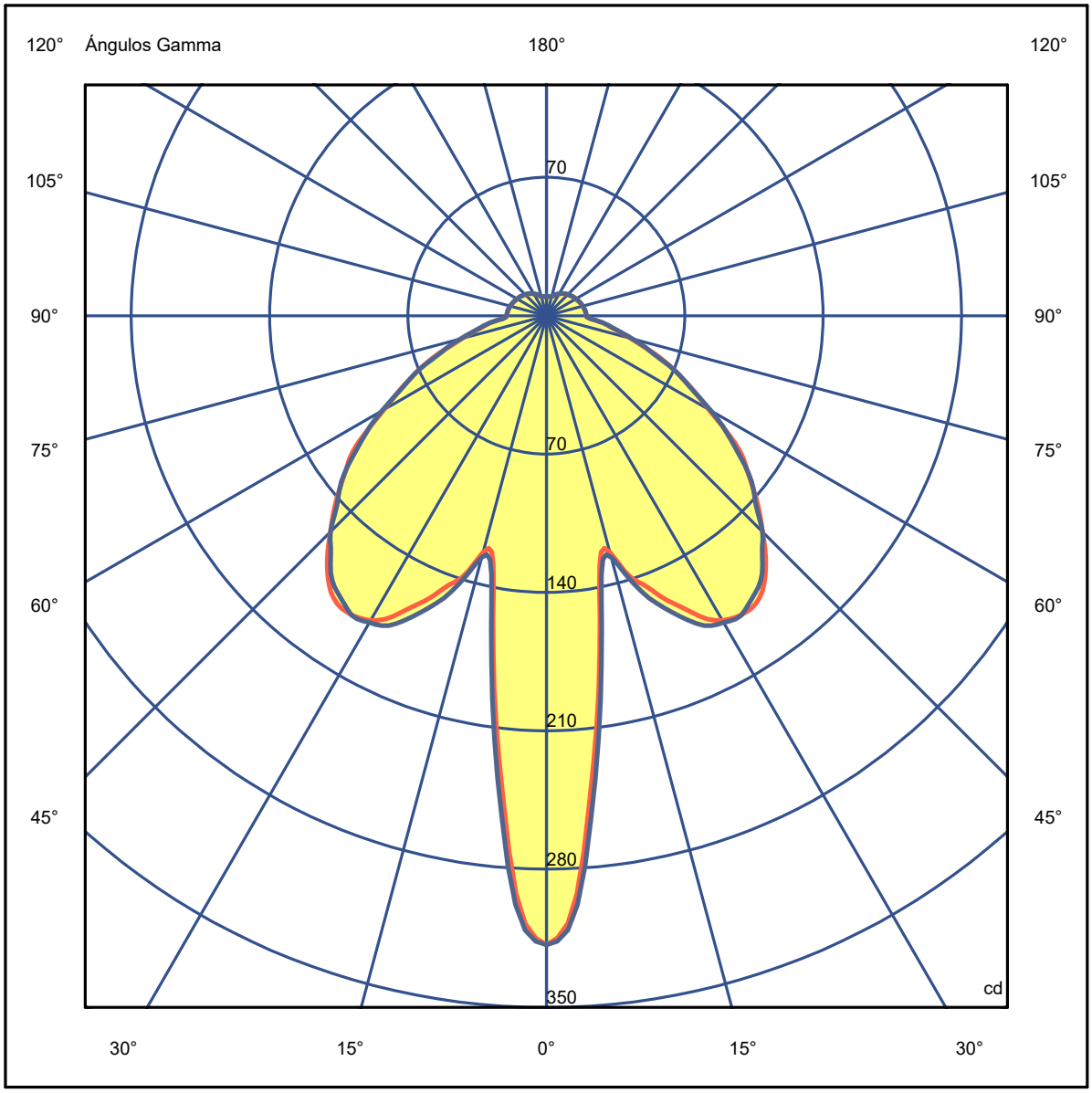
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Sources Flux	722.60 lm	Maximum value	318.26 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=900mm



Semiplanos C

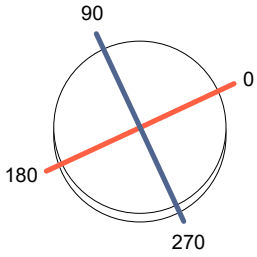
180.0 0.0
270.0 90.0



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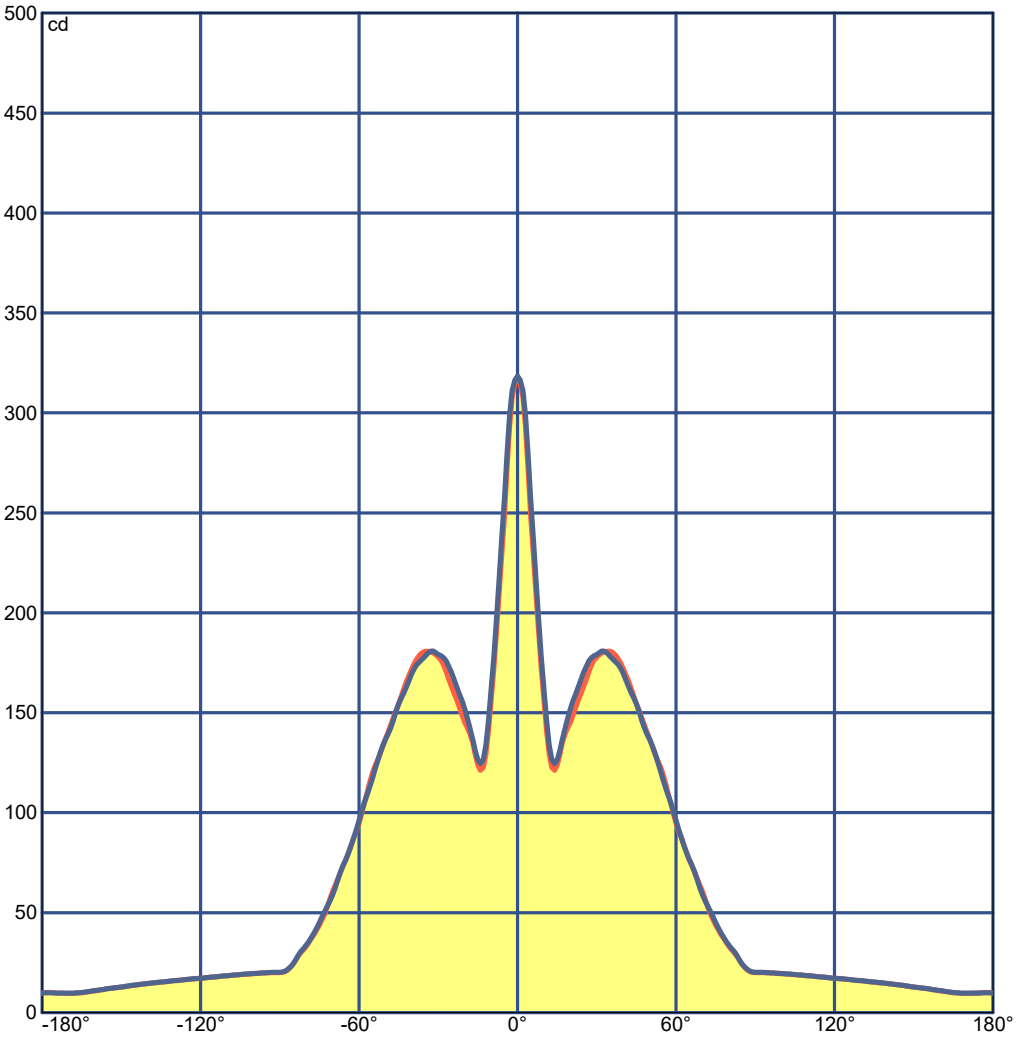
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Sources Flux	722.60 lm	Maximum value	318.26 cd	Position	C=0.00 G=0.00	CG Double Symmetrical

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	4.7	5.9	5.2	6.4	6.9	4.7	5.9	5.2	6.4	6.9
x=2H y=3H	5.7	6.8	6.2	7.3	7.8	5.7	6.8	6.2	7.3	7.8
x=2H y=4H	6.1	7.1	6.6	7.6	8.2	6.1	7.1	6.6	7.6	8.2
x=2H y=6H	6.3	7.3	6.9	7.8	8.4	6.4	7.3	6.9	7.8	8.4
x=2H y=8H	6.4	7.3	7.0	7.9	8.5	6.5	7.4	7.1	7.9	8.6
x=2H y=12H	6.5	7.4	7.1	8.0	8.6	6.6	7.4	7.2	8.0	8.6
x=4H y=2H	5.1	6.1	5.6	6.6	7.2	5.1	6.1	5.6	6.6	7.2
x=4H y=3H	6.3	7.1	6.8	7.7	8.3	6.3	7.1	6.8	7.7	8.3
x=4H y=4H	6.7	7.5	7.3	8.1	8.7	6.8	7.5	7.4	8.1	8.8
x=4H y=6H	7.1	7.8	7.7	8.4	9.1	7.2	7.8	7.8	8.4	9.1
x=4H y=8H	7.3	7.9	7.9	8.5	9.3	7.3	8.0	8.0	8.6	9.3
x=4H y=12H	7.4	8.0	8.1	8.7	9.4	7.5	8.1	8.1	8.7	9.4
x=8H y=4H	6.9	7.5	7.5	8.1	8.8	6.9	7.5	7.5	8.1	8.9
x=8H y=6H	7.4	7.9	8.1	8.6	9.3	7.4	8.0	8.1	8.6	9.4
x=8H y=8H	7.7	8.1	8.4	8.8	9.6	7.7	8.2	8.4	8.8	9.6
x=8H y=12H	7.9	8.3	8.6	9.0	9.8	8.0	8.4	8.7	9.0	9.8
x=12H y=4H	7.2	7.8	7.8	8.4	9.1	7.2	7.8	7.8	8.4	9.1
x=12H y=6H	7.7	8.2	8.4	8.8	9.6	7.8	8.2	8.4	8.9	9.6
x=12H y=8H	8.0	8.4	8.7	9.1	9.9	8.0	8.4	8.7	9.1	9.9

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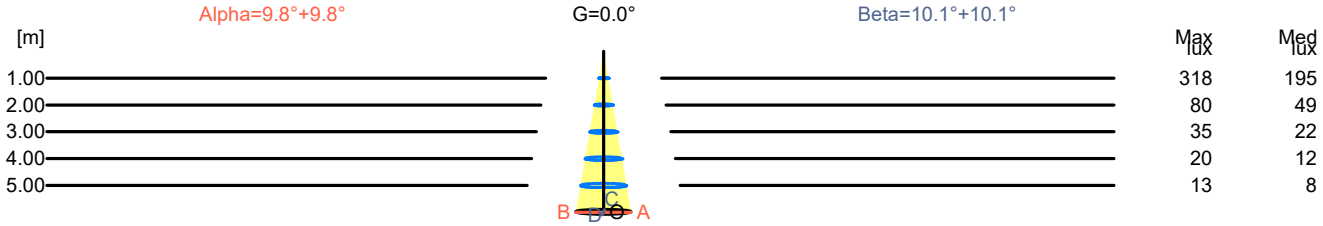
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Width at 50.00 % of Max Intensity

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	0.17	0.34	0.52	0.69	0.86	OC	0.18	0.36	0.54	0.71	0.89
OB	0.17	0.34	0.52	0.69	0.86	OD	0.18	0.36	0.54	0.71	0.89

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	318.26	248.44	123.83	162.97	180.69	154.62	119.49	76.57	43.74	24.33
OB	318.26	248.44	123.83	162.97	180.69	154.62	119.49	76.57	43.74	24.33
OC	318.26	257.02	126.41	170.03	178.17	154.46	116.73	76.61	45.02	24.35
OD	318.26	257.02	126.41	170.03	178.17	154.46	116.73	76.61	45.02	24.35



H[m]	D[m]	Max lux	Med lux	Alpha=9.8°+9.8° G=0.0
1.00	0.34	318	195	
2.00	0.69	80	49	
3.00	1.03	35	22	
4.00	1.38	20	12	
5.00	1.72	13	8	

H[m]	D[m]	Max lux	Med lux	Beta=10.1°+10.1° G=0.0
1.00	0.36	318	195	
2.00	0.71	80	49	
3.00	1.07	35	22	
4.00	1.43	20	12	
5.00	1.78	13	8	

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Flujo Total=722.60 Flujo Luminaria=722.60

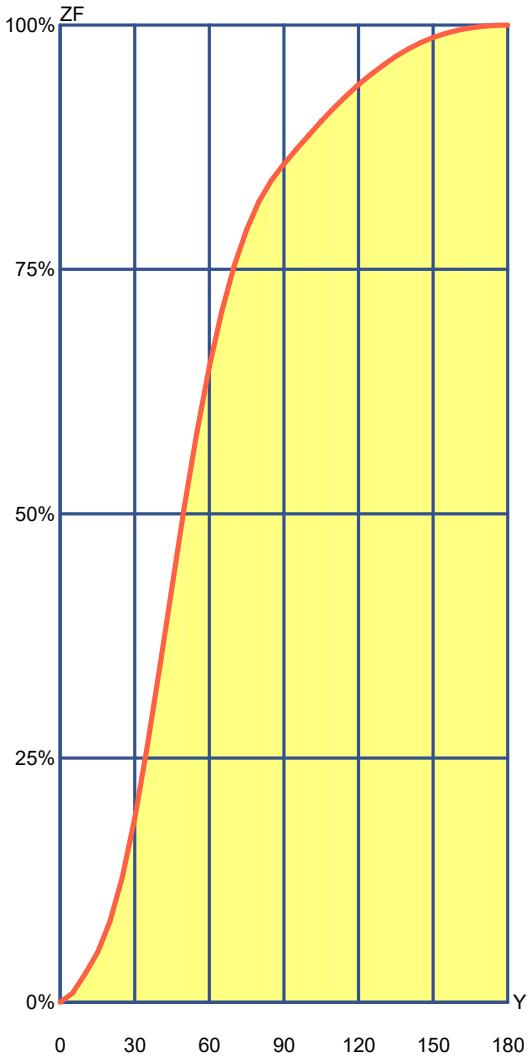
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.27	0.36	0.43	0.50	0.56	0.65	0.70	0.75	0.80	0.83	0.90	0.94
RC	6	6	6	6	6	6	6	6	6	6	6	6

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)	29	82	188	343	507	651	754	819	858	887	915	939	959	975	987	995	999	1000

Códigos de Flujo C.I.E.
43 76 93 86 100

C.I.E.	6	LOR	100.00000 %
D DIN 5040	B31	ULOR	14.22311 %
F UTE	0.86 E + 0.14 T	DLOR	85.77689 %
B NBN	BZ 5	UFF	14.22311 %
RN	14.22311 %	DFF	85.77689 %
BLF	1.0	FFR	16.58152 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.34	9.34	0.93 %	0.93 %
10°	19.67	29.01	1.97 %	2.90 %
15°	22.09	51.10	2.21 %	5.11 %
20°	31.18	82.27	3.12 %	8.23 %
25°	45.56	127.83	4.56 %	12.78 %
30°	60.54	188.38	6.05 %	18.84 %
35°	73.24	261.61	7.32 %	26.16 %
40°	81.11	342.72	8.11 %	34.27 %
45°	83.30	426.02	8.33 %	42.60 %
50°	81.21	507.23	8.12 %	50.72 %
55°	75.93	583.16	7.59 %	58.32 %
60°	67.37	650.53	6.74 %	65.05 %
65°	56.78	707.31	5.68 %	70.73 %
70°	46.74	754.05	4.67 %	75.41 %
75°	37.03	791.08	3.70 %	79.11 %
80°	28.39	819.48	2.84 %	81.95 %
85°	21.71	841.19	2.17 %	84.12 %
90°	16.58	857.77	1.66 %	85.78 %
95°	15.02	872.79	1.50 %	87.28 %
100°	14.61	887.40	1.46 %	88.74 %
105°	14.05	901.45	1.41 %	90.14 %
110°	13.36	914.81	1.34 %	91.48 %
115°	12.54	927.35	1.25 %	92.74 %
120°	11.61	938.97	1.16 %	93.90 %
125°	10.64	949.60	1.06 %	94.96 %
130°	9.63	959.24	0.96 %	95.92 %
135°	8.60	967.84	0.86 %	96.78 %
140°	7.55	975.38	0.75 %	97.54 %
145°	6.47	981.85	0.65 %	98.18 %
150°	5.37	987.22	0.54 %	98.72 %
155°	4.30	991.53	0.43 %	99.15 %
160°	3.28	994.80	0.33 %	99.48 %
165°	2.35	997.15	0.23 %	99.72 %
170°	1.58	998.73	0.16 %	99.87 %
175°	0.95	999.68	0.09 %	99.97 %
180°	0.32	1000.00	0.03 %	100.00 %

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Sources Flux	722.60 lm	Maximum value	318.26 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

