

Luminaria

Código A709-020-51-27K

Nombre IHANA

Ensayo

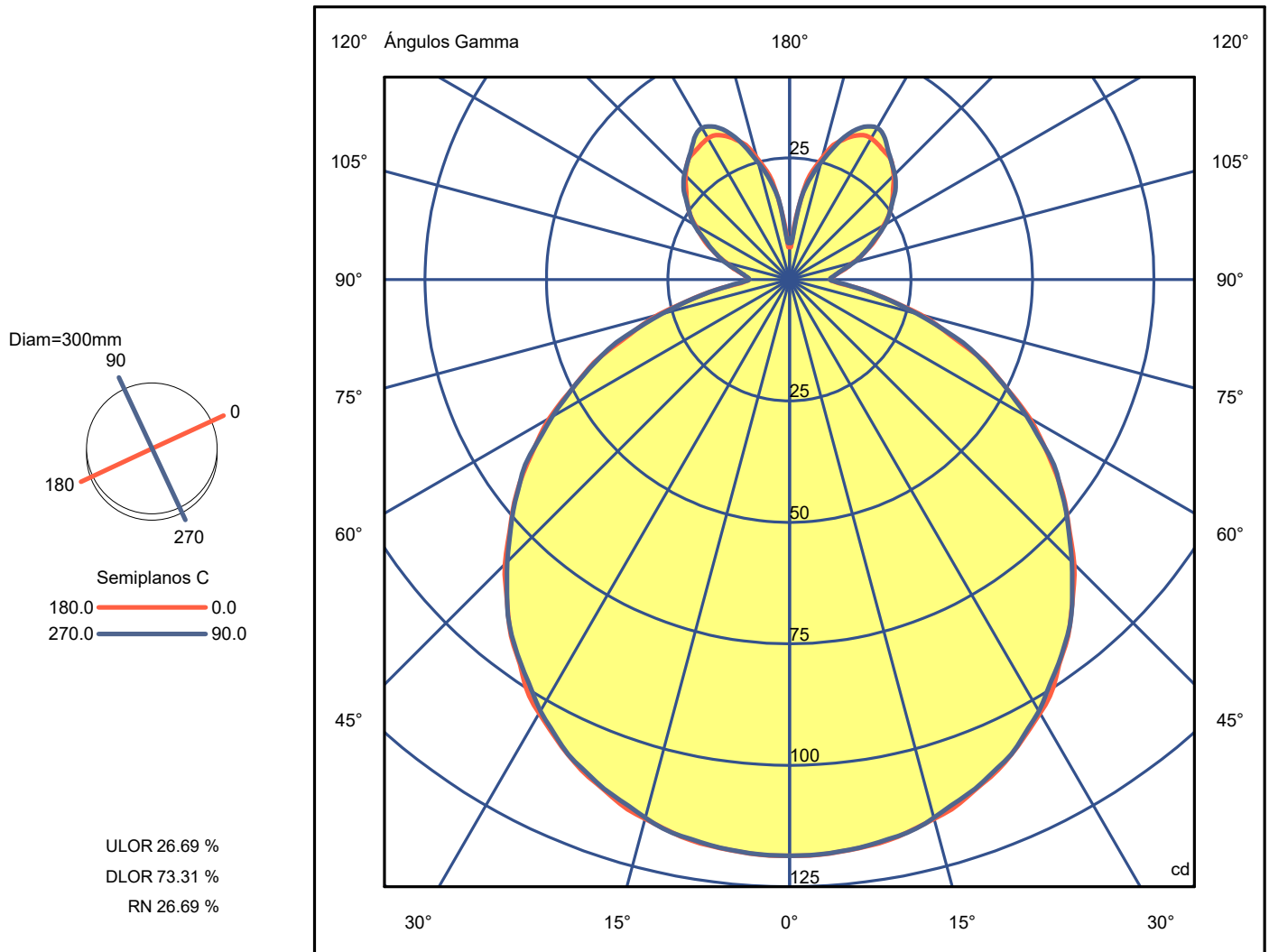
Código CL041A21F033G

Nombre IHANA

Flujo Luminaria	497.33 lm	Potencia Luminaria	8.75 W	Eficacia	56.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	497.33 lm	Valor Máximo	118.60 cd	Posición	C=0.00 G=2.50	CG	Bisimétrico
Luminaria Redonda		Diam.	300 mm	Altura	50 mm		
Área Luminosa Redonda		Diam.	300 mm	Altura	50 mm		
Área Luminosa Horizontal		0.070686 m2		Área Emisión sobre Pl. 180°		0.015000 m2	
Área Emisión sobre Pl. 0°		0.015000 m2		Área Emisión sobre Pl. 270°		0.015000 m2	
Área Emisión sobre Pl. 90°		0.015000 m2		Área de deslumbramiento a 76°		0.031655 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		28-09-2021		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		497.33 lm	
Operador		ASSELUM		Tensión Nominal		230.17 V	
Temperatura		25.90 °C		Corriente Nominal		0.05 A	
Humedad		51.80 %		Fotocélula		Prc	
Notas		RM21070704					

Fuentes de luz de la Luminaria

Familia	Código LED	Nombre LED 700mA	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	45 76 93 73 100		497.33	8.75	1
F UTE	0.73 E + 0.27 T				
		D DIN 5040 B NBN	B31 BZ 5		



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Tabla de Intensidad Luminosa cd

Tabla 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	118.58	118.58	118.58	118.58	118.58	118.58	118.58
G 2.5	118.60	118.59	118.58	118.57	118.56	118.55	118.54
G 5.0	118.25	118.20	118.19	118.20	118.20	118.20	118.20
G 7.5	117.78	117.71	117.70	117.71	117.71	117.71	117.70
G 10.0	117.19	117.08	117.05	117.04	117.00	116.96	116.94
G 12.5	116.10	115.96	115.92	115.96	116.05	116.15	116.20
G 15.0	114.92	114.82	114.81	114.82	114.78	114.73	114.70
G 17.5	113.71	113.50	113.39	113.30	113.16	113.03	112.97
G 20.0	111.74	111.51	111.46	111.49	111.52	111.53	111.53
G 22.5	110.07	109.82	109.76	109.75	109.72	109.67	109.64
G 25.0	107.91	107.66	107.62	107.69	107.76	107.82	107.84
G 27.5	105.49	105.19	105.06	105.03	105.05	105.09	105.11
G 30.0	103.07	102.76	102.61	102.55	102.54	102.55	102.55
G 32.5	100.49	99.93	99.47	99.20	99.17	99.26	99.32
G 35.0	96.70	96.36	96.33	96.41	96.46	96.46	96.45
G 37.5	93.72	93.36	93.32	93.40	93.46	93.48	93.48
G 40.0	90.09	89.80	89.92	90.27	90.31	90.24	90.19
G 42.5	86.43	86.16	86.15	86.21	86.19	86.12	86.08
G 45.0	82.84	82.52	82.49	82.51	82.41	82.24	82.16
G 47.5	78.39	77.90	77.89	78.18	78.18	78.10	78.06
G 50.0	74.45	73.98	74.03	74.39	74.42	74.35	74.29
G 52.5	70.41	69.98	70.11	70.50	70.48	70.32	70.22
G 55.0	65.81	65.50	65.77	66.33	66.47	66.45	66.41
G 57.5	61.44	61.02	61.01	61.29	61.25	61.15	61.08
G 60.0	57.07	56.55	56.47	56.69	56.59	56.43	56.34
G 62.5	51.78	51.23	51.25	51.61	51.64	51.57	51.52
G 65.0	47.08	46.58	46.72	47.18	47.18	47.03	46.93
G 67.5	42.71	42.15	42.22	42.66	42.70	42.62	42.57
G 70.0	36.80	36.64	36.99	37.47	37.79	37.93	37.96
G 72.5	32.37	31.94	31.99	32.35	32.37	32.29	32.24
G 75.0	27.87	27.38	27.32	27.55	27.44	27.25	27.16
G 77.5	22.68	22.12	22.12	22.48	22.50	22.43	22.38
G 80.0	18.46	17.98	18.04	18.42	18.46	18.41	18.36
G 82.5	14.79	14.38	14.44	14.78	14.79	14.70	14.64
G 85.0	11.02	10.82	10.90	11.13	11.38	11.57	11.65
G 87.5	9.14	8.95	8.87	8.93	9.09	9.28	9.37
G 90.0	8.38	8.31	8.25	8.23	8.25	8.29	8.30
G 92.5	8.67	8.67	8.62	8.53	8.51	8.52	8.57
G 95.0	9.26	9.27	9.20	9.11	9.08	9.10	9.17
G 97.5	10.05	10.08	10.01	9.94	9.93	9.96	9.97
G100.0	11.20	11.23	11.19	11.11	11.02	10.96	10.93
G102.5	12.33	12.40	12.36	12.18	12.19	12.24	12.26
G105.0	13.49	13.65	13.70	13.59	13.66	13.75	13.79
G107.5	15.13	15.21	15.12	14.96	14.95	15.01	15.04
G110.0	16.44	16.51	16.44	16.36	16.34	16.37	16.39
G112.5	18.09	18.11	17.96	17.76	17.73	17.77	17.80
G115.0	19.56	19.63	19.59	19.48	19.34	19.21	19.16
G117.5	20.96	21.02	20.99	20.86	20.88	20.94	20.97
G120.0	22.39	22.53	22.56	22.49	22.56	22.66	22.70
G122.5	24.08	24.15	24.08	24.01	24.01	24.06	24.10
G125.0	25.40	25.45	25.39	25.32	25.34	25.41	25.45
G127.5	26.63	26.78	26.83	26.74	26.75	26.78	26.79
G130.0	27.75	27.96	28.13	28.25	28.33	28.37	28.39
G132.5	28.97	29.19	29.38	29.50	29.56	29.59	29.59
G135.0	30.31	30.55	30.77	30.96	30.87	30.70	30.61
G137.5	31.38	31.63	31.82	31.90	31.76	31.56	31.45
G140.0	32.37	32.45	32.53	32.64	32.55	32.43	32.37
G142.5	32.69	32.78	32.87	32.98	33.14	33.29	33.35
G145.0	32.98	32.75	32.58	32.75	33.42	34.19	34.57
G147.5	33.33	32.41	31.56	31.59	32.99	34.78	35.67
G150.0	33.55	31.95	30.23	29.79	31.83	34.64	36.06
G152.5	33.45	31.21	28.92	28.38	30.66	33.91	35.57
G155.0	32.75	30.17	27.47	26.71	29.11	32.65	34.47
G157.5	31.66	28.99	26.11	25.16	27.45	30.93	32.73
G160.0	30.30	27.81	25.01	23.92	25.80	28.83	30.41
G162.5	28.72	26.44	23.79	22.56	23.91	26.31	27.60
G165.0	25.95	23.95	21.97	20.90	21.95	23.85	24.87
G167.5	23.39	21.65	20.00	19.26	20.08	21.60	22.41
G170.0	20.58	19.21	17.94	17.39	17.90	18.93	19.49
G172.5	15.91	14.76	13.69	13.38	14.12	15.34	15.98
G175.0	11.03	11.08	10.73	10.32	10.30	10.17	10.10
G177.5	6.78	7.87	8.77	9.10	8.66	7.92	7.53
G180.0	8.45	8.45	8.45	8.45	8.45	8.45	8.45

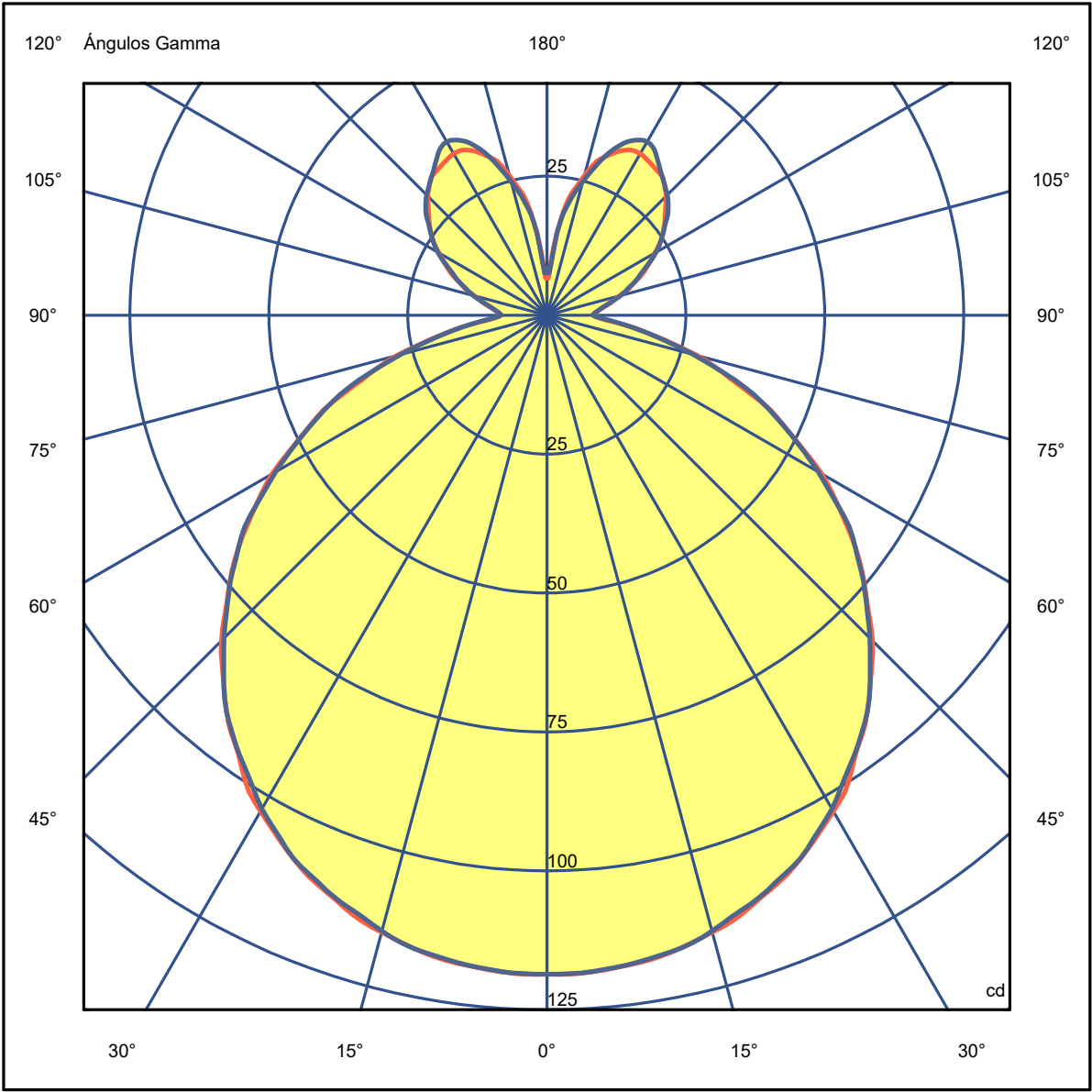
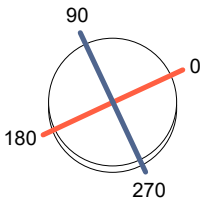
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Diam=300mm

Semiplanos C

180.0 0.0
270.0 90.0



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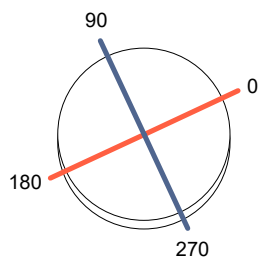
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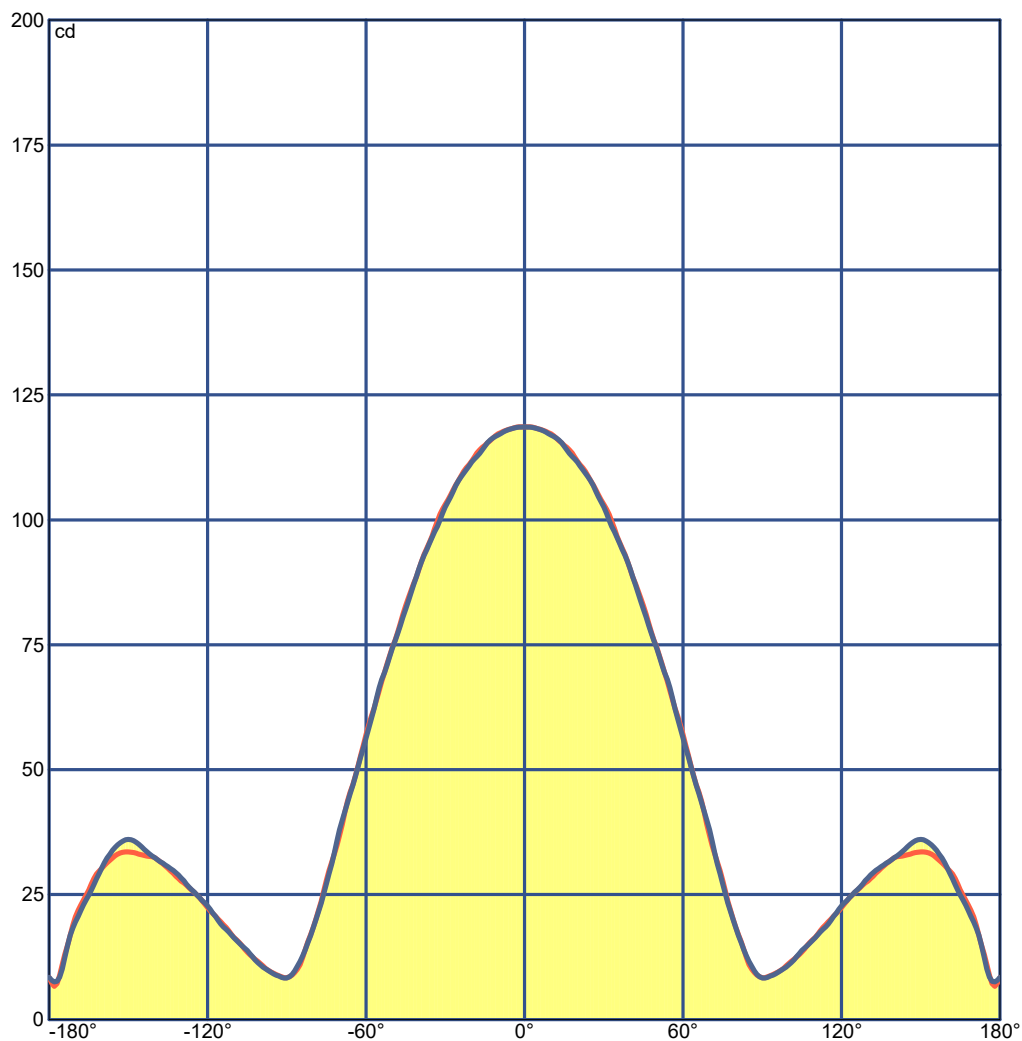
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Diam=300mm



Semiplanos C

180.0 ————— 0.0
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UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local						Vista Longitudinal				
x=2H y=2H	11.7	12.7	12.4	13.4	14.1	11.7	12.8	12.4	13.4	14.2
x=2H y=3H	13.2	14.1	13.8	14.8	15.5	13.2	14.1	13.9	14.8	15.6
x=2H y=4H	13.7	14.6	14.4	15.3	16.1	13.8	14.6	14.5	15.3	16.1
x=2H y=6H	14.1	14.9	14.8	15.6	16.4	14.1	14.9	14.9	15.6	16.5
x=2H y=8H	14.2	15.0	15.0	15.7	16.6	14.3	15.0	15.0	15.7	16.6
x=2H y=12H	14.3	15.1	15.1	15.8	16.6	14.4	15.1	15.1	15.8	16.7
x=4H y=2H	12.3	13.1	13.0	13.8	14.6	12.3	13.2	13.0	13.9	14.7
x=4H y=3H	13.9	14.6	14.6	15.3	16.2	13.9	14.7	14.7	15.4	16.3
x=4H y=4H	14.6	15.2	15.3	16.0	16.8	14.6	15.3	15.4	16.0	16.9
x=4H y=6H	15.1	15.6	15.8	16.4	17.3	15.1	15.7	15.9	16.4	17.3
x=4H y=8H	15.2	15.8	16.0	16.5	17.5	15.3	15.8	16.1	16.6	17.5
x=4H y=12H	15.4	15.8	16.2	16.6	17.6	15.4	15.9	16.2	16.7	17.6
x=8H y=4H	14.8	15.3	15.6	16.1	17.0	14.8	15.3	15.6	16.1	17.0
x=8H y=6H	15.4	15.8	16.2	16.6	17.6	15.4	15.9	16.3	16.7	17.7
x=8H y=8H	15.7	16.0	16.5	16.9	17.8	15.7	16.1	16.5	16.9	17.9
x=8H y=12H	15.9	16.2	16.7	17.0	18.0	15.9	16.3	16.8	17.1	18.1
x=12H y=4H	15.2	15.6	15.9	16.4	17.4	15.2	15.6	16.0	16.4	17.4
x=12H y=6H	15.7	16.1	16.6	16.9	17.9	15.8	16.1	16.6	17.0	17.9
x=12H y=8H	16.0	16.3	16.9	17.2	18.2	16.1	16.4	16.9	17.2	18.2

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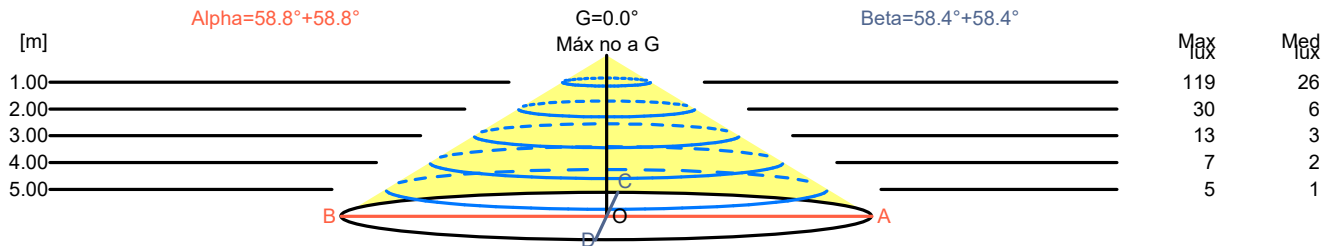
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Apertura a 50.00 % de Max Intensidad

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	1.65	3.30	4.95	6.59	8.24	OC	1.63	3.25	4.88	6.50	8.13
OB	1.65	3.30	4.95	6.59	8.24	OD	1.63	3.25	4.88	6.50	8.13

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	118.58	118.25	114.92	107.91	96.70	82.84	65.81	47.08	27.87	11.02
OB	118.58	118.25	114.92	107.91	96.70	82.84	65.81	47.08	27.87	11.02
OC	118.58	118.20	114.70	107.84	96.45	82.16	66.41	46.93	27.16	11.65
OD	118.58	118.20	114.70	107.84	96.45	82.16	66.41	46.93	27.16	11.65



H[m]	D[m]	Max lux	Med lux	Alpha=58.8°+58.8°	G=0.0 Máx no a G
1.00	3.30	119	26		
2.00	6.59	30	6		
3.00	9.89	13	3		
4.00	13.19	7	2		
5.00	16.49	5	1		

H[m]	D[m]	Max lux	Med lux	Beta=58.4°+58.4°	G=0.0 Máx no a G
1.00	3.25	119	26		
2.00	6.50	30	6		
3.00	9.75	13	3		
4.00	13.00	7	2		
5.00	16.26	5	1		

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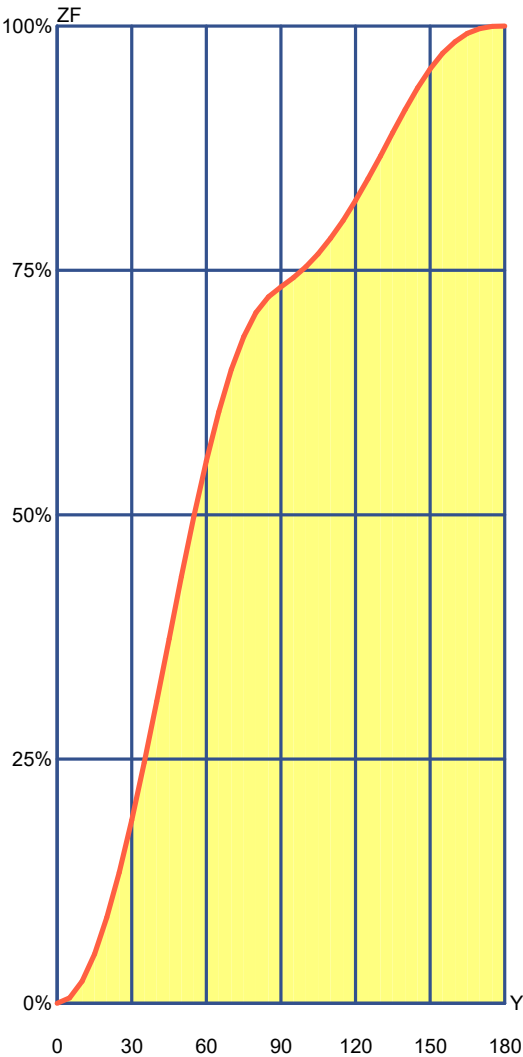
Flujo Total=497.33 Flujo Luminaria=497.33

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	0.29	0.37	0.44	0.51	0.57	0.66	0.71	0.76	0.81	0.84	0.91	0.95
RC	5	5	5	5	5	5	5	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)	23	88	188	309	437	555	649	707	733	754	783	821	867	915	956	984	997	1000

Códigos de Flujo C.I.E.
 45 76 93 73 100

C.I.E.	5/5/5/5/5/5/6/6/6/6	LOR	100.00000 %
D DIN 5040	B31	ULOR	26.68521 %
F UTE	0.73 E + 0.27 T	DLOR	73.31479 %
B NBN	BZ 5	UFF	26.68521 %
RN	26.68521 %	DFF	73.31479 %
BLF	1.0	FFR	36.39813 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.69	5.69	0.57 %	0.57 %
10°	16.92	22.61	1.69 %	2.26 %
15°	27.65	50.27	2.77 %	5.03 %
20°	37.51	87.77	3.75 %	8.78 %
25°	46.25	134.02	4.62 %	13.40 %
30°	53.49	187.51	5.35 %	18.75 %
35°	58.90	246.40	5.89 %	24.64 %
40°	62.61	309.01	6.26 %	30.90 %
45°	64.17	373.18	6.42 %	37.32 %
50°	63.52	436.71	6.35 %	43.67 %
55°	61.38	498.09	6.14 %	49.81 %
60°	56.90	554.99	5.69 %	55.50 %
65°	50.44	605.44	5.04 %	60.54 %
70°	43.08	648.52	4.31 %	64.85 %
75°	33.93	682.45	3.39 %	68.24 %
80°	24.31	706.76	2.43 %	70.68 %
85°	16.04	722.80	1.60 %	72.28 %
90°	10.35	733.15	1.03 %	73.31 %
95°	9.52	742.67	0.95 %	74.27 %
100°	10.99	753.66	1.10 %	75.37 %
105°	13.26	766.92	1.33 %	76.69 %
110°	15.81	782.74	1.58 %	78.27 %
115°	18.22	800.95	1.82 %	80.10 %
120°	20.49	821.45	2.05 %	82.14 %
125°	22.32	843.76	2.23 %	84.38 %
130°	23.40	867.17	2.34 %	86.72 %
135°	23.91	891.07	2.39 %	89.11 %
140°	23.55	914.63	2.36 %	91.46 %
145°	22.10	936.73	2.21 %	93.67 %
150°	19.46	956.19	1.95 %	95.62 %
155°	15.88	972.06	1.59 %	97.21 %
160°	12.02	984.08	1.20 %	98.41 %
165°	8.34	992.42	0.83 %	99.24 %
170°	5.00	997.42	0.50 %	99.74 %
175°	2.14	999.56	0.21 %	99.96 %
180°	0.44	1000.00	0.04 %	100.00 %

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Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m

