

Luminaria

Código 1830

Nombre ARRAY PENDANT

Ensayo

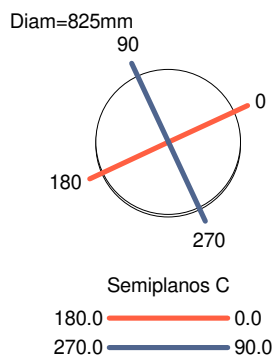
Código CL252A23F002GE8

Nombre LED STRIP FLEX 48V 20W 2700K CRI90

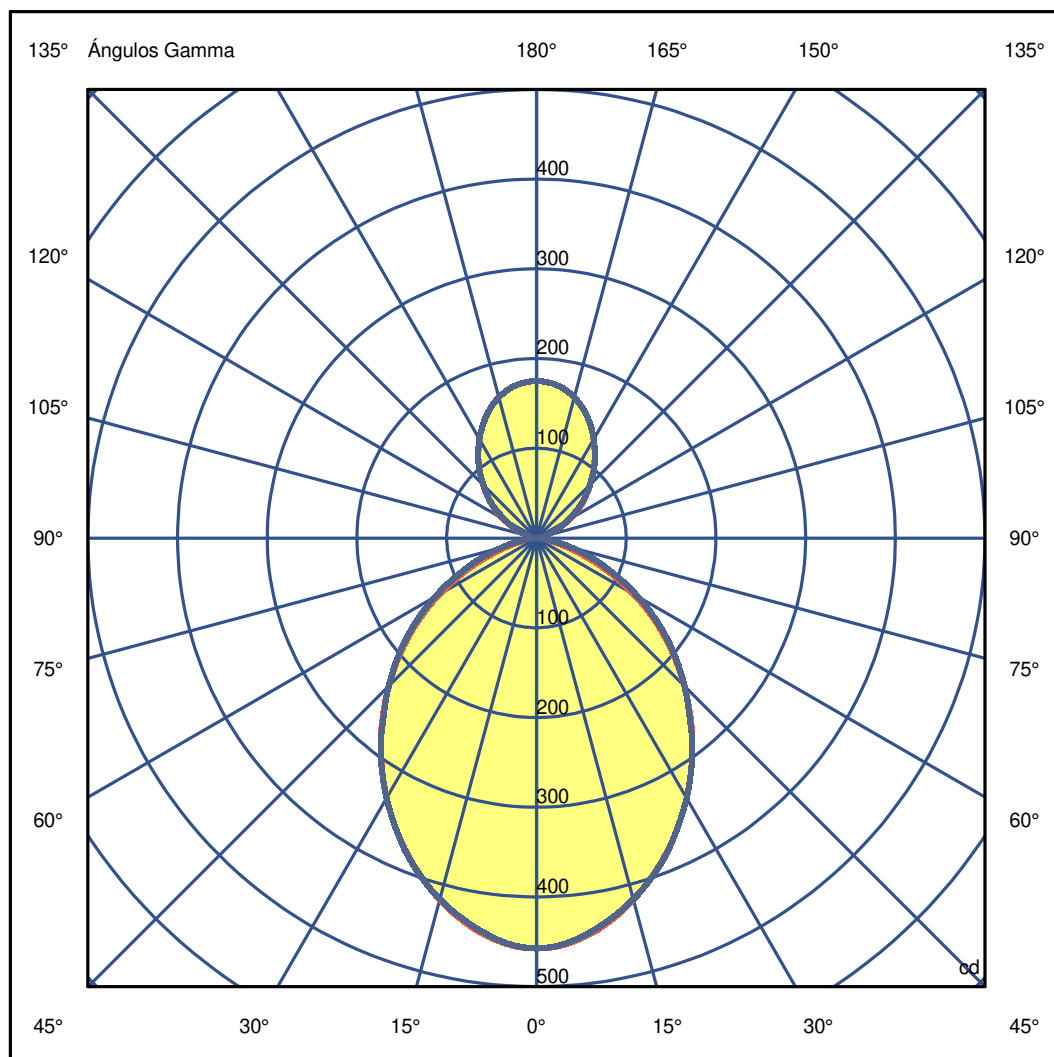
Flujo Luminaria	1347 lm	Potencia Luminaria	50.0 W	Eficacia	26.935 lm/W	Eficiencia	100.00%
Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda		Diam.	825 mm	Altura	30 mm		
Área Luminosa Redonda		Diam.	815 mm	Altura	0 mm		
Área Luminosa Horizontal		0.521681 m2		Área Emisión sobre Pl. 180°		0.000000 m2	
Área Emisión sobre Pl. 0°		0.000000 m2		Área Emisión sobre Pl. 270°		0.000000 m2	
Área Emisión sobre Pl. 90°		0.000000 m2		Área de deslumbramiento a 76°		0.126206 m2	
Sist. de Coord.		CG		Tipo de Simetría		Bisimétrico	
Fecha		23-10-2023		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.50		Flujo de Ensayo		593 lm	
Operador		ASSELUM		Tensión Nominal			
Temperatura		25.20 °C		Corriente Nominal			
Humedad		53.30 %		Fotocélula			Czibula Grundmann
Notas		RM23101801					

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	x2.5 metros	5753763 =50W LED	1346.75	50.00	1
C.I.E.	55 85 97 74 100				
F UTE	0.74 D + 0.26 T				
		D DIN 5040 B NBN	B41 BZ 3		



ULOR 26.40 %
DLOR 73.60 %
RN 26.40 %



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Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	457.46	457.46	457.46	457.46	457.46	457.46	457.46	
G 2.5	456.06	455.98	455.85	455.71	455.60	455.53	455.53	
G 5.0	452.09	451.90	451.61	451.34	451.10	450.91	450.87	
G 7.5	445.88	445.64	445.31	444.88	444.35	443.97	443.86	
G 10.0	437.77	437.58	437.37	436.81	436.26	435.96	435.87	
G 12.5	428.07	428.08	428.11	427.59	427.03	426.60	426.47	
G 15.0	417.14	417.43	417.77	417.24	416.87	416.73	416.66	
G 17.5	405.24	405.82	406.23	406.07	406.06	405.65	405.43	
G 20.0	392.50	393.28	393.63	394.05	393.92	393.19	393.02	
G 22.5	378.97	379.84	380.24	380.92	380.32	379.85	379.59	
G 25.0	364.73	365.53	366.07	366.64	366.12	365.38	364.81	
G 27.5	349.83	350.43	350.95	351.15	351.24	350.35	349.84	
G 30.0	334.33	334.70	335.04	335.26	335.68	335.04	334.43	
G 32.5	318.31	318.50	318.68	319.23	319.84	319.25	318.33	
G 35.0	301.83	301.96	302.12	302.68	303.47	303.00	302.24	
G 37.5	284.97	285.14	285.33	285.91	287.02	286.55	285.33	
G 40.0	267.81	268.05	268.30	269.16	270.21	270.12	266.45	
G 42.5	250.41	250.71	251.12	252.25	253.36	251.51	249.64	
G 45.0	232.86	233.19	233.90	235.23	236.51	230.14	233.17	
G 47.5	215.21	215.56	216.64	218.19	219.45	210.66	216.31	
G 50.0	197.45	197.88	199.34	201.11	202.58	193.04	199.76	
G 52.5	179.57	180.16	181.98	183.90	186.11	175.67	182.96	
G 55.0	161.54	162.40	164.57	166.62	168.10	157.62	165.66	
G 57.5	143.34	144.56	147.14	149.46	148.80	139.56	148.23	
G 60.0	124.96	126.57	129.69	132.44	131.56	126.06	131.10	
G 62.5	106.46	108.44	112.25	115.56	116.63	112.34	113.62	
G 65.0	88.27	90.46	94.87	98.92	102.49	96.58	96.82	
G 67.5	70.92	73.17	77.88	82.74	87.39	81.97	81.23	
G 70.0	54.94	57.10	61.82	67.27	72.10	69.41	67.52	
G 72.5	40.84	42.78	47.20	52.80	58.03	58.14	52.67	
G 75.0	29.15	30.74	34.54	39.72	45.37	46.80	39.80	
G 77.5	20.23	21.43	24.30	28.45	33.51	35.28	29.55	
G 80.0	13.77	14.63	16.65	19.48	22.76	24.10	19.23	
G 82.5	9.27	9.86	11.20	12.97	14.21	15.15	11.09	
G 85.0	6.27	6.64	7.44	8.47	8.97	9.91	6.51	
G 87.5	4.27	4.48	4.89	5.48	5.84	6.72	3.71	
G 90.0	2.81	2.90	3.08	3.49	4.00	4.38	3.81	
G 92.5	3.19	2.89	2.94	3.21	3.50	3.55	1.22	
G 95.0	3.70	3.11	3.15	3.45	3.55	3.31	1.37	
G 97.5	4.42	3.68	3.78	4.25	4.34	3.46	2.52	
G100.0	5.45	4.73	4.91	5.64	5.98	4.55	4.89	
G102.5	6.85	6.38	6.65	7.67	8.27	6.71	7.89	
G105.0	8.72	8.88	9.46	10.37	10.91	9.18	10.58	
G107.5	12.69	12.83	13.26	13.76	13.98	11.87	13.91	
G110.0	17.64	17.71	17.89	17.89	17.97	15.90	17.71	
G112.5	23.38	23.34	23.25	22.81	22.95	20.57	22.28	
G115.0	29.68	29.54	29.21	28.49	28.45	25.77	27.60	
G117.5	36.36	36.12	35.62	34.79	34.20	31.29	33.81	
G120.0	43.19	42.89	42.36	41.59	40.46	37.25	40.81	
G122.5	50.03	49.73	49.31	48.77	47.57	43.94	47.64	
G125.0	56.84	56.60	56.38	56.12	55.55	51.26	55.17	
G127.5	63.67	63.51	63.50	63.46	63.56	59.33	62.61	
G130.0	70.53	70.46	70.63	70.73	70.94	67.19	69.93	
G132.5	77.44	77.45	77.72	77.92	78.06	74.72	76.94	
G135.0	84.45	84.51	84.81	85.02	85.25	82.82	83.80	
G137.5	91.56	91.64	91.92	92.12	92.31	91.80	91.77	
G140.0	98.73	98.80	99.05	99.20	99.51	99.37	99.32	
G142.5	105.93	105.99	106.19	106.31	106.68	106.36	106.56	
G145.0	113.12	113.15	113.34	113.48	113.69	113.62	113.40	
G147.5	120.24	120.27	120.46	120.59	120.62	120.76	120.55	
G150.0	127.25	127.28	127.47	127.57	127.74	127.57	127.58	
G152.5	134.11	134.14	134.27	134.36	134.52	134.32	134.25	
G155.0	140.71	140.73	140.85	140.90	140.91	140.88	140.83	
G157.5	146.97	146.98	147.10	147.15	147.06	146.95	146.89	
G160.0	152.77	152.76	152.89	152.90	152.76	152.74	152.77	
G162.5	158.03	158.01	158.09	158.03	158.06	157.91	157.88	
G165.0	162.63	162.60	162.63	162.60	162.51	162.61	162.64	
G167.5	166.50	166.48	166.46	166.48	166.38	166.31	166.31	
G170.0	169.64	169.62	169.59	169.61	169.61	169.57	169.56	
G172.5	172.05	172.04	172.02	172.01	172.04	172.04	172.05	
G175.0	173.76	173.74	173.74	173.73	173.73	173.73	173.74	
G177.5	174.77	174.76	174.76	174.75	174.75	174.74	174.75	
G180.0	175.10	175.10	175.10	175.10	175.10	175.10	175.10	

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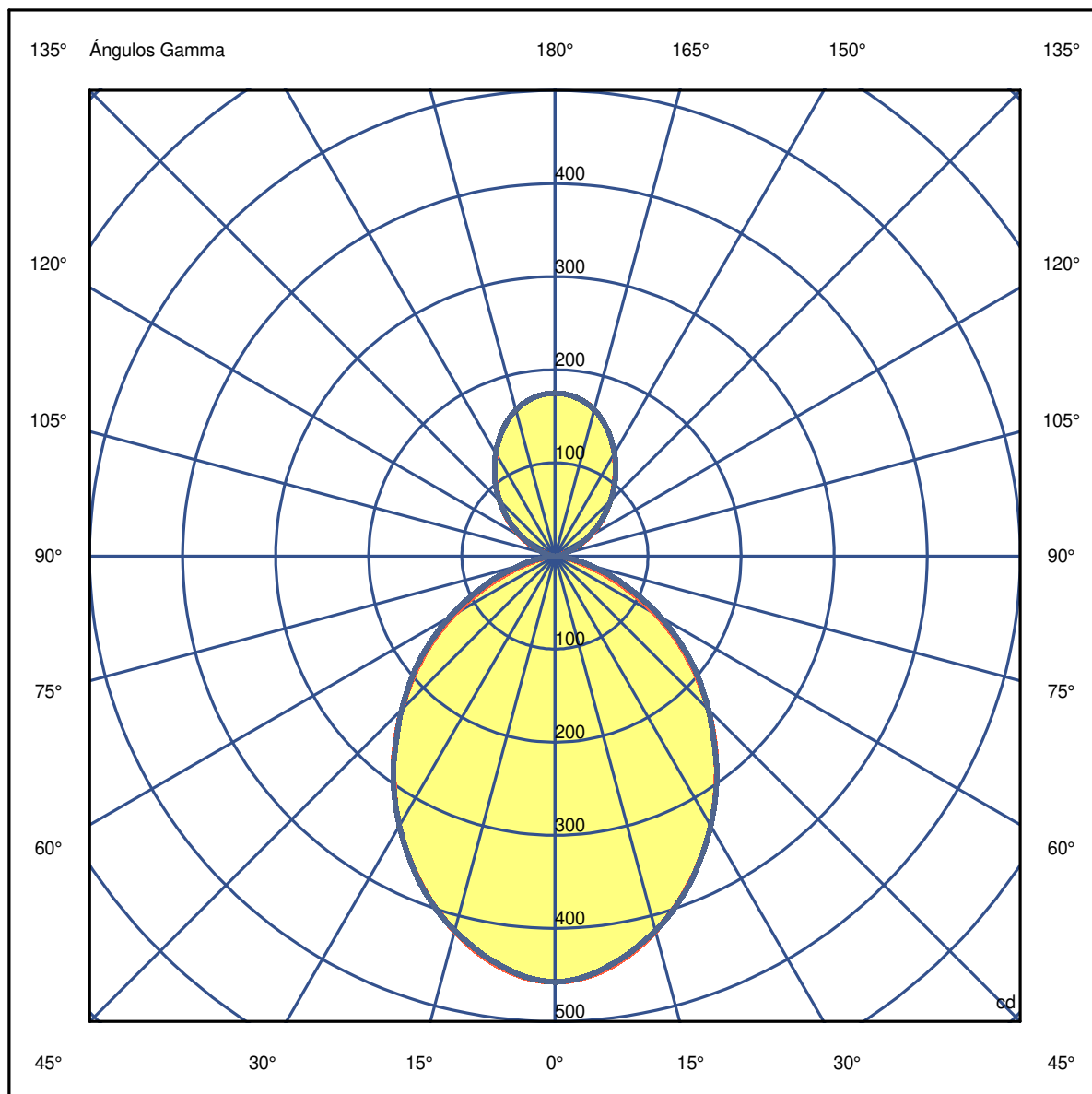
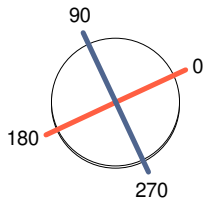
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Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

Diam=825mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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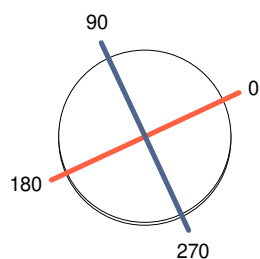
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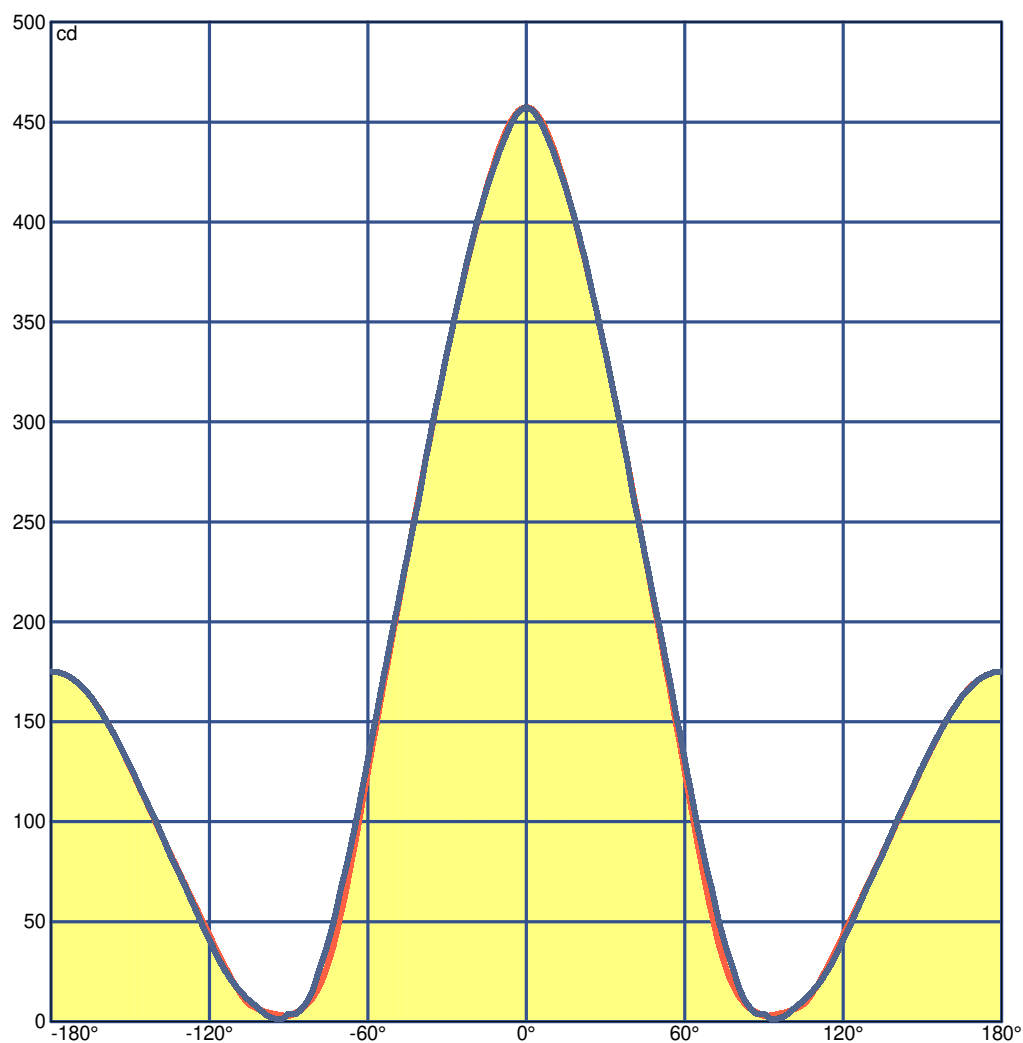
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Diam=825mm



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Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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				
Mista Lateral										
x=2H y=2H	8.6	9.5	9.2	10.1	10.9	8.6	9.6	9.2	10.2	10.9
x=2H y=3H	9.3	10.2	10.0	10.8	11.6	9.6	10.5	10.3	11.1	11.9
x=2H y=4H	9.5	10.3	10.2	10.9	11.7	10.0	10.8	10.7	11.4	12.2
x=2H y=6H	9.5	10.2	10.2	10.9	11.7	10.2	10.9	10.9	11.6	12.4
x=2H y=8H	9.5	10.2	10.2	10.9	11.7	10.2	10.9	10.9	11.6	12.4
x=2H y=12H	9.5	10.1	10.2	10.8	11.6	10.2	10.8	10.9	11.5	12.3
x=4H y=2H	9.0	9.8	9.7	10.4	11.2	9.1	9.8	9.7	10.5	11.3
x=4H y=3H	9.9	10.6	10.6	11.3	12.1	10.3	10.9	11.0	11.6	12.5
x=4H y=4H	10.1	10.7	10.9	11.4	12.3	10.7	11.3	11.5	12.0	12.9
x=4H y=6H	10.2	10.7	11.0	11.4	12.3	11.0	11.5	11.8	12.3	13.2
x=4H y=8H	10.2	10.7	11.0	11.4	12.3	11.1	11.5	11.8	12.3	13.2
x=4H y=12H	10.2	10.6	11.0	11.4	12.3	11.1	11.5	11.9	12.3	13.2
x=8H y=4H	10.2	10.7	11.0	11.4	12.4	10.8	11.3	11.6	12.0	12.9
x=8H y=6H	10.4	10.7	11.2	11.5	12.5	11.2	11.5	12.0	12.3	13.3
x=8H y=8H	10.4	10.7	11.2	11.5	12.5	11.2	11.6	12.1	12.4	13.3
x=8H y=12H	10.4	10.7	11.2	11.5	12.5	11.3	11.6	12.1	12.4	13.4
x=12H y=4H	10.2	10.6	11.0	11.4	12.3	10.8	11.2	11.5	11.9	12.9
x=12H y=6H	10.3	10.7	11.2	11.5	12.5	11.1	11.4	12.0	12.3	13.2
x=12H y=8H	10.4	10.7	11.2	11.5	12.5	11.2	11.5	12.1	12.3	13.3

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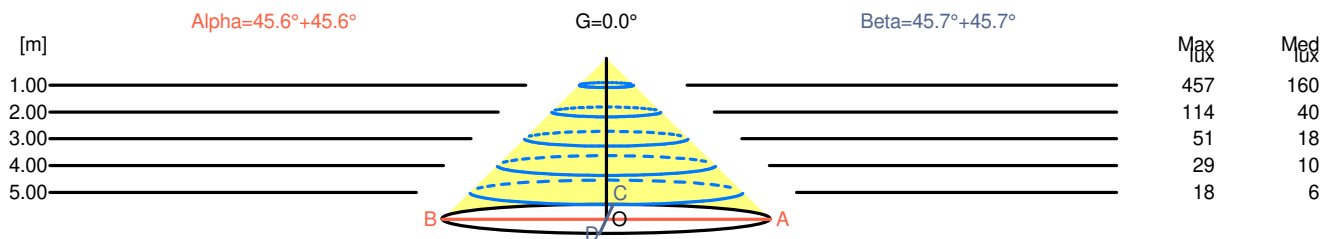
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Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	1.02	2.04	3.06	4.08	5.10	OC	1.02	2.05	3.07	4.09	5.12
OB	1.02	2.04	3.06	4.08	5.10	OD	1.02	2.05	3.07	4.09	5.12

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	457.46	452.09	417.14	364.73	301.83	232.86	161.54	88.27	29.15	6.27
OB	457.46	452.09	417.14	364.73	301.83	232.86	161.54	88.27	29.15	6.27
OC	457.46	450.87	416.66	364.81	302.24	233.17	165.66	96.82	39.80	6.51
OD	457.46	450.87	416.66	364.81	302.24	233.17	165.66	96.82	39.80	6.51



H[m]	D[m]	Max lux	Med lux	Alpha=45.6°+45.6°	G=0.0	
1.00	2.04	457	160			
2.00	4.08	114	40			
3.00	6.12	51	18			
4.00	8.17	29	10			
5.00	10.21	18	6			

H[m]	D[m]	Max lux	Med lux	Beta=45.7°+45.7°	G=0.0	
1.00	2.05	457	160			
2.00	4.09	114	40			
3.00	6.14	51	18			
4.00	8.19	29	10			
5.00	10.23	18	6			

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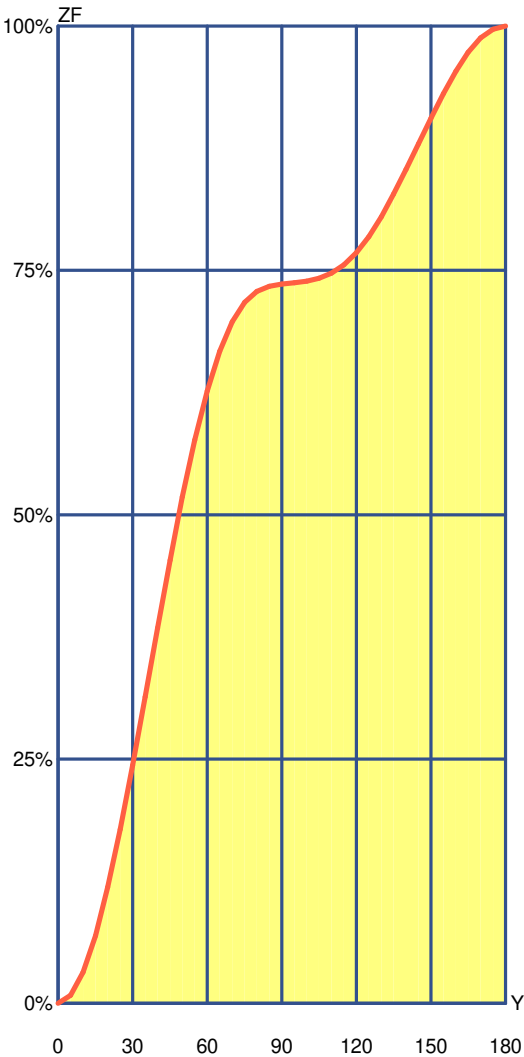
Flujo Total=1346.75 Flujo Luminaria=1346.75

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	0.36	0.45	0.52	0.59	0.65	0.73	0.78	0.82	0.86	0.89	0.94	0.97
RC	4	4	4	4	4	4	3	3	3	3	3	3

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)	32	119	244	384	518	627	697	729	736	739	747	768	805	853	906	954	988	1000

Códigos de Flujo C.I.E.
 55 85 97 74 100

C.I.E.	4/4/4/4/4/3/3/3/3/3	LOR	100.00000 %
D DIN 5040	B41	ULOR	26.40045 %
F UTE	0.74 D + 0.26 T	DLOR	73.59955 %
B NBN	BZ 3	UFF	26.40045 %
RN	26.40045 %	DFF	73.59955 %
BLF	1.0	FFR	35.87040 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.07	8.07	0.81 %	0.81 %
10°	23.58	31.65	2.36 %	3.16 %
15°	37.59	69.24	3.76 %	6.92 %
20°	49.59	118.83	4.96 %	11.88 %
25°	59.11	177.93	5.91 %	17.79 %
30°	65.81	243.75	6.58 %	24.37 %
35°	69.67	313.42	6.97 %	31.34 %
40°	70.75	384.17	7.07 %	38.42 %
45°	69.06	453.23	6.91 %	45.32 %
50°	64.80	518.03	6.48 %	51.80 %
55°	58.53	576.56	5.85 %	57.66 %
60°	50.13	626.69	5.01 %	62.67 %
65°	40.59	667.28	4.06 %	66.73 %
70°	30.11	697.39	3.01 %	69.74 %
75°	19.91	717.30	1.99 %	71.73 %
80°	11.27	728.57	1.13 %	72.86 %
85°	5.19	733.76	0.52 %	73.38 %
90°	2.23	736.00	0.22 %	73.60 %
95°	1.30	737.30	0.13 %	73.73 %
100°	1.61	738.91	0.16 %	73.89 %
105°	2.90	741.82	0.29 %	74.18 %
110°	5.19	747.01	0.52 %	74.70 %
115°	8.56	755.57	0.86 %	75.56 %
120°	12.49	768.05	1.25 %	76.81 %
125°	16.50	784.55	1.65 %	78.46 %
130°	20.23	804.78	2.02 %	80.48 %
135°	23.15	827.93	2.31 %	82.79 %
140°	25.23	853.16	2.52 %	85.32 %
145°	26.31	879.47	2.63 %	87.95 %
150°	26.32	905.79	2.63 %	90.58 %
155°	25.20	930.99	2.52 %	93.10 %
160°	22.86	953.85	2.29 %	95.39 %
165°	19.30	973.15	1.93 %	97.32 %
170°	14.63	987.78	1.46 %	98.78 %
175°	9.12	996.90	0.91 %	99.69 %
180°	3.10	1000.00	0.31 %	100.00 %

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Flujo Fuente	1347 lm	Valor Máximo	457.46 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

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

