

Luminaria

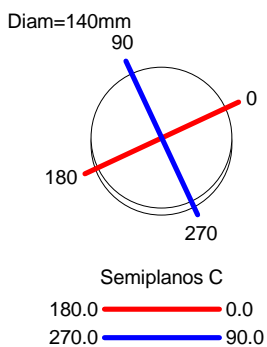
Código A701-001.2
Nombre ROC IP65 BLACK

Ensayo

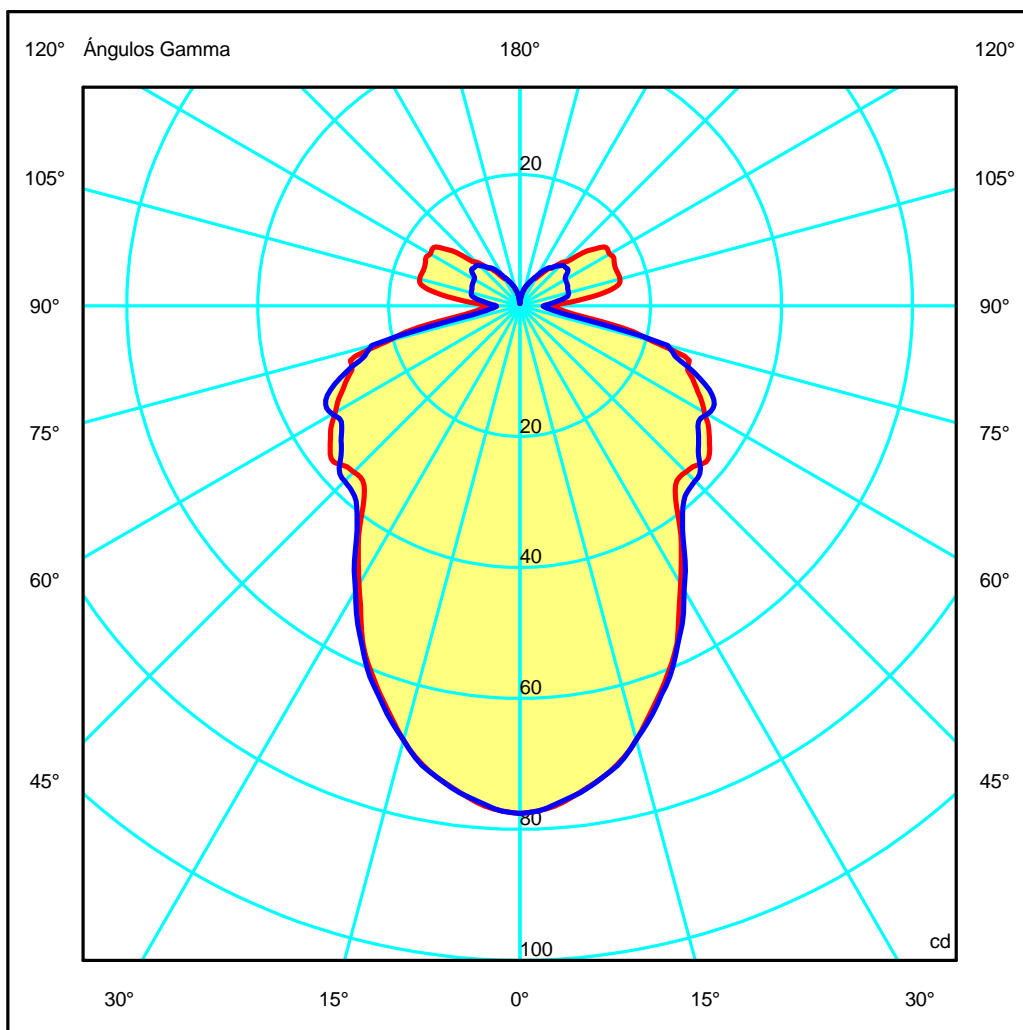
Código CL041A20F007G
Nombre ROC IP65 BLACK

Flujo Luminaria	250.81 lm	Potencia luminaria	7.59 W	Eficacia	33.04 lm/W	Eficiencia	100.00%
Flujo Fuentes	250.81 lm	Valor Máximo	77.54 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda Área Luminosa Redonda		Diam. Diam.	140 mm 140 mm	Altura Altura	85 mm 40 mm		
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°		0.015394 m2 0.005600 m2 0.005600 m2		Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°		0.005600 m2 0.005600 m2 0.009158 m2	
Sist. de Coorden. Fecha Distancia de Ensayo		CG 26-03-2020 6.44		Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo		Bisimétrico 180 250.81 lm	
Operador Temperatura Humedad Notas		ASSELUM 25.30 °C 23.30 % RM20022603.7		Tensión Nominal Corriente Nominal Fotocélula		230.27 V 0.03 A Prc	

Lámparas de la Luminaria					
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E. F UTE	43 71 93 78 100 0.78 G + 0.22 T	D DIN 5040 B NBN	250.81 B31 BZ 5	7.59	1



ULOR 21.99 %
DLOR 78.01 %
RN 21.99 %



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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	78	78	78	78	78	78	78
G 2.5	77	77	77	77	77	77	77
G 5.0	76	76	76	76	76	76	76
G 7.5	75	75	75	75	75	75	75
G 10.0	73	73	73	73	73	73	73
G 12.5	71	71	71	71	71	71	71
G 15.0	69	69	69	69	69	69	69
G 17.5	66	66	66	66	66	66	66
G 20.0	63	63	63	63	63	63	63
G 22.5	60	60	60	60	60	60	61
G 25.0	57	57	57	57	57	57	57
G 27.5	53	53	53	54	54	54	54
G 30.0	49	50	50	50	50	50	50
G 32.5	46	46	46	46	47	47	47
G 35.0	43	43	43	43	43	44	44
G 37.5	39	40	40	41	41	41	41
G 40.0	37	37	38	38	39	39	39
G 42.5	36	35	36	36	37	38	38
G 45.0	36	35	35	35	36	37	38
G 47.5	36	35	35	36	36	37	37
G 50.0	37	36	36	35	35	36	36
G 52.5	37	36	35	35	35	34	34
G 55.0	35	35	35	34	34	33	33
G 57.5	34	34	34	34	33	33	32
G 60.0	33	33	34	34	34	33	33
G 62.5	31	32	33	33	33	33	33
G 65.0	30	30	30	30	31	32	32
G 67.5	28	28	28	28	29	30	30
G 70.0	27	27	27	27	27	27	27
G 72.5	27	26	25	24	24	24	25
G 75.0	21	21	20	20	21	23	23
G 77.5	17	16	15	13	13	12	12
G 80.0	10	10	10	10	9	7	6
G 82.5	7	7	6	6	5	5	5
G 85.0	6	6	5	5	4	4	4
G 87.5	5	5	5	4	4	4	4
G 90.0	5	5	5	4	4	4	4
G 92.5	6	6	5	5	5	4	4
G 95.0	9	8	7	6	5	5	5
G 97.5	12	10	9	7	7	6	6
G100.0	14	12	10	8	7	7	7
G102.5	16	14	11	9	8	8	8
G105.0	16	14	12	10	8	8	8
G107.5	16	14	12	10	8	8	8
G110.0	16	14	12	10	8	8	8
G112.5	16	14	12	10	8	8	8
G115.0	16	14	12	10	8	8	8
G117.5	16	14	12	10	9	8	8
G120.0	16	14	12	10	9	8	8
G122.5	16	15	13	11	9	8	8
G125.0	16	14	13	11	10	9	9
G127.5	14	14	13	12	11	10	9
G130.0	13	13	12	12	11	10	9
G132.5	10	11	12	12	11	10	9
G135.0	9	10	11	11	10	9	9
G137.5	8	10	11	11	10	9	8
G140.0	7	9	10	11	10	8	8
G142.5	7	8	10	10	9	8	7
G145.0	6	7	9	9	9	7	7
G147.5	5	7	8	8	8	7	6
G150.0	5	6	7	8	7	6	5
G152.5	5	6	7	7	6	5	5
G155.0	4	5	6	6	5	5	4
G157.5	4	4	5	5	5	4	4
G160.0	3	4	4	4	4	4	3
G162.5	3	3	3	4	3	3	3
G165.0	2	3	3	3	3	3	3
G167.5	2	2	2	2	2	2	2
G170.0	2	2	2	2	2	2	2
G172.5	1	1	1	1	1	1	1
G175.0	1	1	1	1	1	1	1
G177.5	0	0	1	1	1	1	0
G180.0	0	0	0	0	0	0	0

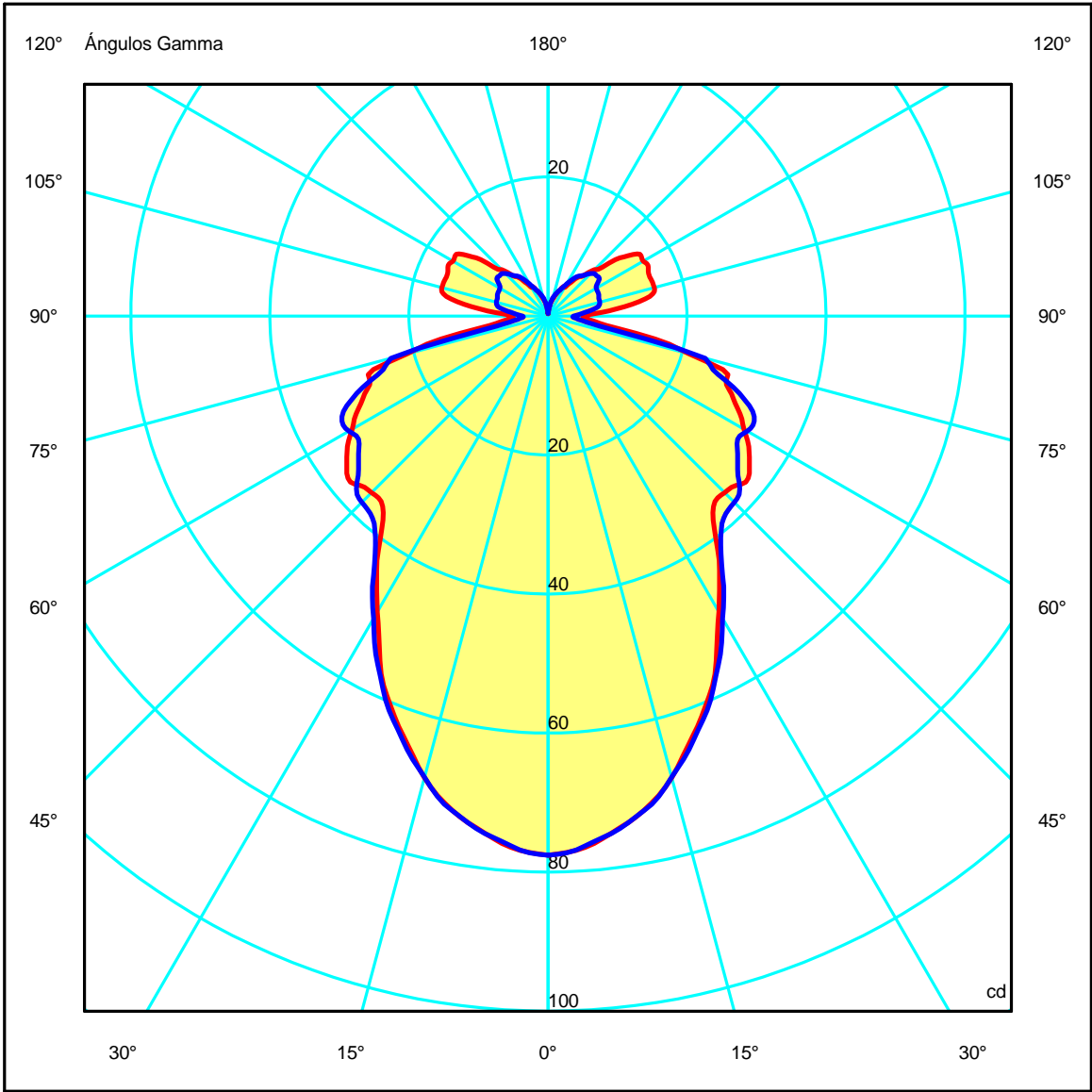
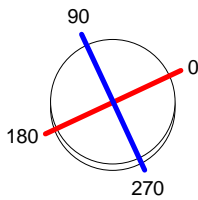
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Nombre ROC IP65 BLACK
Ensayo
Código CL041A20F007G
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Flujo Fuentes	250.81 lm	Valor Máximo	77.54 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=140mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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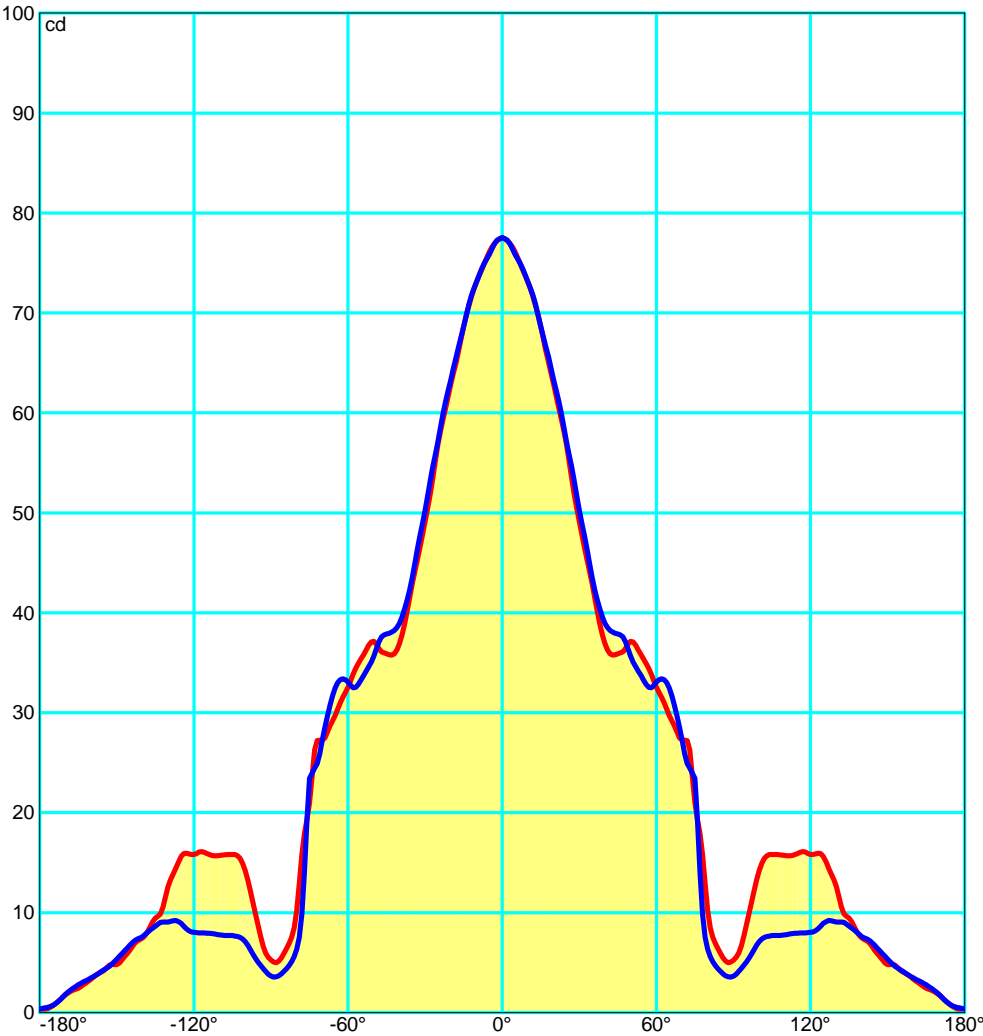
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Flujo Fuentes	250.81 lm	Valor Máximo	77.54 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	14.5	15.6	15.1	16.2	16.9	14.6	15.7	15.1	16.2	16.9
x=2H y=3H	16.7	17.7	17.3	18.3	19.0	16.8	17.8	17.4	18.4	19.1
x=2H y=4H	17.6	18.6	18.3	19.2	19.9	17.7	18.7	18.4	19.3	20.0
x=2H y=6H	18.1	18.9	18.7	19.6	20.3	17.9	18.8	18.6	19.4	20.2
x=2H y=8H	18.1	18.9	18.8	19.6	20.4	17.9	18.7	18.6	19.4	20.1
x=2H y=12H	18.1	18.9	18.8	19.6	20.4	17.9	18.7	18.6	19.3	20.1
x=4H y=2H	15.4	16.4	16.1	17.0	17.7	15.5	16.4	16.1	17.0	17.7
x=4H y=3H	17.7	18.5	18.4	19.2	20.0	17.8	18.6	18.5	19.3	20.0
x=4H y=4H	18.7	19.4	19.4	20.1	20.9	18.8	19.5	19.5	20.2	21.0
x=4H y=6H	19.2	19.8	19.9	20.5	21.4	19.0	19.6	19.7	20.3	21.2
x=4H y=8H	19.3	19.8	20.0	20.6	21.4	19.0	19.6	19.8	20.3	21.2
x=4H y=12H	19.3	19.8	20.1	20.6	21.4	19.0	19.5	19.8	20.3	21.2
x=8H y=4H	19.0	19.6	19.7	20.3	21.2	19.1	19.6	19.8	20.4	21.2
x=8H y=6H	19.6	20.0	20.3	20.8	21.7	19.4	19.8	20.1	20.6	21.5
x=8H y=8H	19.7	20.1	20.4	20.8	21.7	19.4	19.8	20.2	20.6	21.5
x=8H y=12H	19.8	20.1	20.6	20.9	21.8	19.4	19.8	20.2	20.6	21.5
x=12H y=4H	19.0	19.5	19.7	20.2	21.1	19.1	19.6	19.8	20.3	21.2
x=12H y=6H	19.6	20.0	20.3	20.7	21.6	19.4	19.8	20.1	20.5	21.4
x=12H y=8H	19.7	20.0	20.5	20.8	21.7	19.4	19.8	20.2	20.5	21.5

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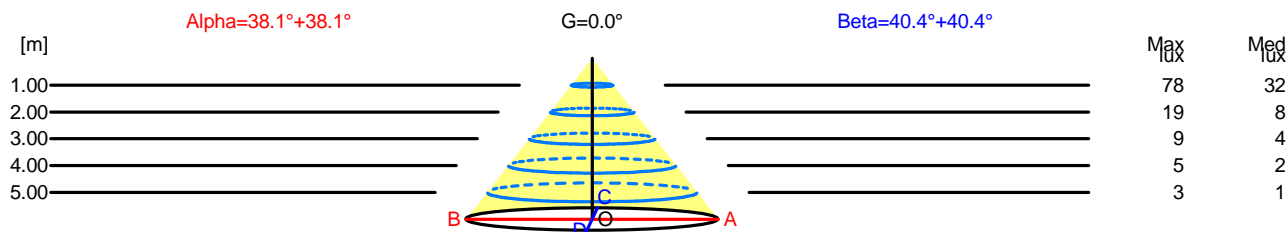
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Apertura a 50.00 % de Max Intensidad

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	0.78	1.57	2.35	3.13	3.92	OC	0.85	1.70	2.55	3.40	4.25
OB	0.78	1.57	2.35	3.13	3.92	OD	0.85	1.70	2.55	3.40	4.25

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	77.54	76.13	68.72	56.81	42.90	35.91	35.33	29.72	21.00	5.92
OB	77.54	76.13	68.72	56.81	42.90	35.91	35.33	29.72	21.00	5.92
OC	77.54	75.87	68.67	57.09	43.52	37.87	33.25	32.46	23.42	4.11
OD	77.54	75.87	68.67	57.09	43.52	37.87	33.25	32.46	23.42	4.11



H[m]	D[m]	Max lux	Med lux	Alpha=38.1°+38.1°	G=0.0
1.00	1.57	78	32		
2.00	3.13	19	8		
3.00	4.70	9	4		
4.00	6.27	5	2		
5.00	7.84	3	1		

H[m]	D[m]	Max lux	Med lux	Beta=40.4°+40.4°	G=0.0
1.00	1.70	78	32		
2.00	3.40	19	8		
3.00	5.11	9	4		
4.00	6.81	5	2		
5.00	8.51	3	1		

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Flujo Total=250.81 Flujo Luminaria=250.81

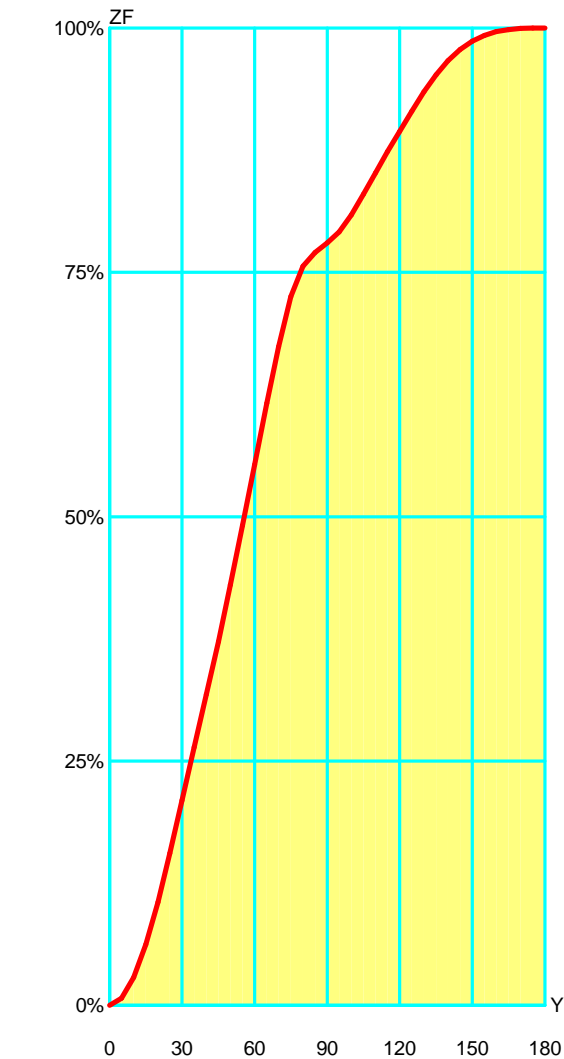
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.29	0.36	0.42	0.49	0.55	0.64	0.70	0.74	0.80	0.84	0.92	0.96
RC	5	6	6	6	6	6	6	6	6	6	5	4

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	105	209	318	430	553	674	756	780	809	852	894	935	967	987	996	1000	1000

Códigos de Flujo C.I.E.
43 71 93 78 100

C.I.E.	5/6/6/6/6/6/6/6/5/4	LOR	100.00000 %
D DIN 5040	B31	ULOR	21.98687 %
F UTE	0.78 G + 0.22 T	DLOR	78.01313 %
B NBN	BZ 5	UFF	21.98687 %
RN	21.98687 %	DFF	78.01313 %
BLF	1.0	FFR	28.18354 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	7.31	7.31	0.73 %	0.73 %
10°	21.28	28.59	2.13 %	2.86 %
15°	33.53	62.12	3.35 %	6.21 %
20°	43.30	105.42	4.33 %	10.54 %
25°	50.14	155.56	5.01 %	15.56 %
30°	53.92	209.48	5.39 %	20.95 %
35°	54.60	264.08	5.46 %	26.41 %
40°	53.90	317.98	5.39 %	31.80 %
45°	54.21	372.19	5.42 %	37.22 %
50°	58.00	430.19	5.80 %	43.02 %
55°	60.76	490.95	6.08 %	49.10 %
60°	62.25	553.20	6.23 %	55.32 %
65°	62.93	616.14	6.29 %	61.61 %
70°	58.12	674.26	5.81 %	67.43 %
75°	51.02	725.27	5.10 %	72.53 %
80°	31.04	756.31	3.10 %	75.63 %
85°	14.04	770.35	1.40 %	77.04 %
90°	9.78	780.13	0.98 %	78.01 %
95°	11.31	791.44	1.13 %	79.14 %
100°	17.18	808.62	1.72 %	80.86 %
105°	21.55	830.17	2.16 %	83.02 %
110°	21.93	852.10	2.19 %	85.21 %
115°	21.32	873.42	2.13 %	87.34 %
120°	20.87	894.29	2.09 %	89.43 %
125°	20.66	914.96	2.07 %	91.50 %
130°	19.96	934.91	2.00 %	93.49 %
135°	17.38	952.29	1.74 %	95.23 %
140°	14.33	966.63	1.43 %	96.66 %
145°	11.47	978.10	1.15 %	97.81 %
150°	8.44	986.54	0.84 %	98.65 %
155°	5.89	992.43	0.59 %	99.24 %
160°	3.83	996.26	0.38 %	99.63 %
165°	2.20	998.46	0.22 %	99.85 %
170°	1.11	999.57	0.11 %	99.96 %
175°	0.37	999.94	0.04 %	99.99 %
180°	0.06	1000.00	0.01 %	100.00 %

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Isolux (Suelo)

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

