

## Luminaire

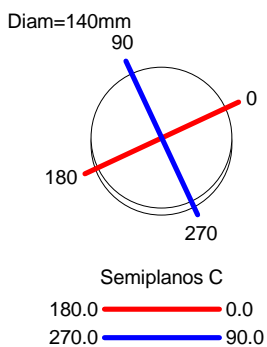
Code A701-001.2  
Name ROC IP65 BLACK

## Measurem.

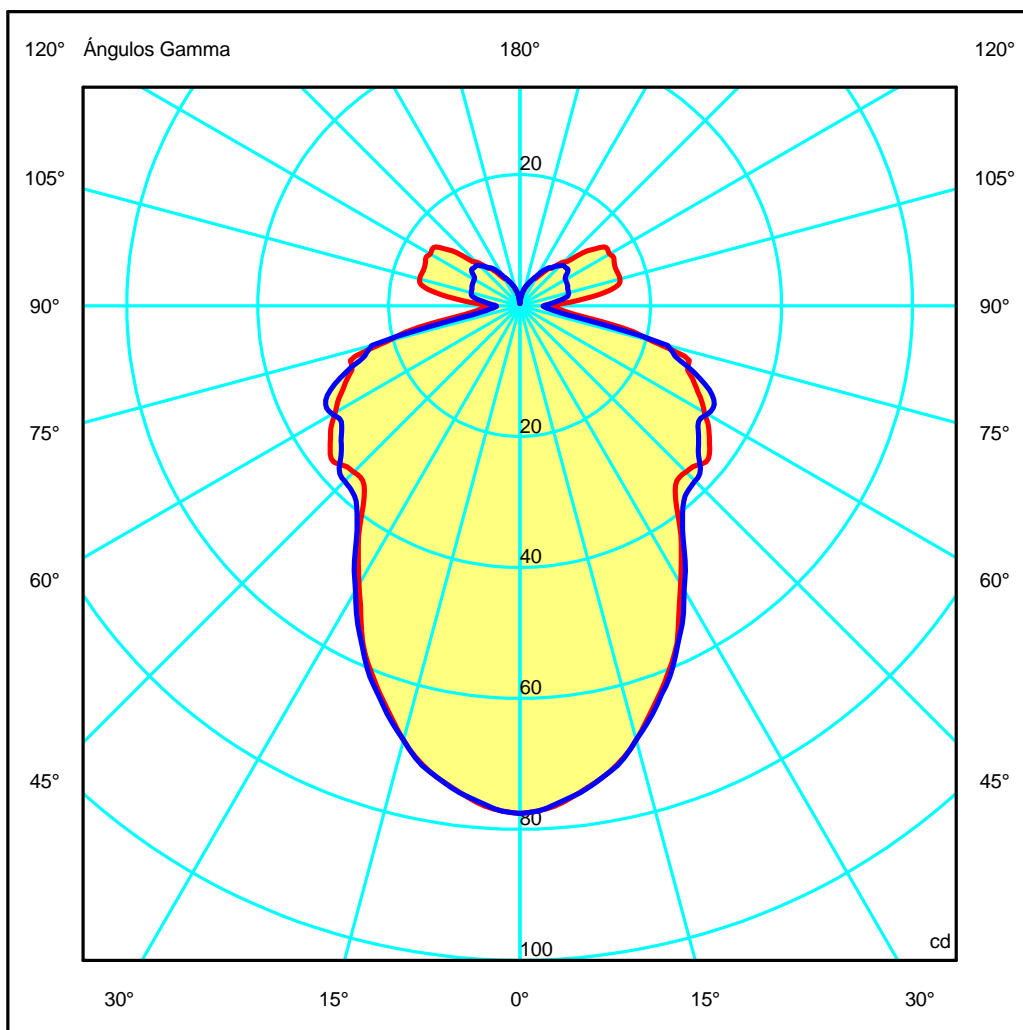
Code CL041A20F007G  
Name ROC IP65 BLACK

Luminaire Flux	250.81 lm	Luminaire Power	7.59 W	Efficacy	33.04 lm/W	Efficiency	100.00%
Sources Flux	250.81 lm	Maximum value	77.54 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	140 mm 140 mm	Height Height	85 mm 40 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.015394 m2 0.005600 m2 0.005600 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.005600 m2 0.005600 m2 0.009158 m2	
Coordinate system Date Measurement Distance		CG 26-03-2020 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 250.81 lm	
Operator Temperature Humidity Notes		ASSELUM 25.30 °C 23.30 % RM20022603.7		Rated Voltage Rated Current Photocell		230.27 V 0.03 A Prc	

Line		Code LED	Luminaire Lamps Name LED		Flux [lm] 250.81	Pow. [W] 7.59	Q.ty 1
C.I.E.	43 71 93 78 100		D DIN 5040	B31			
F UTE	0.78 G + 0.22 T		B NBN	BZ 5			



ULOR 21.99 %  
DLOR 78.01 %  
RN 21.99 %



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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	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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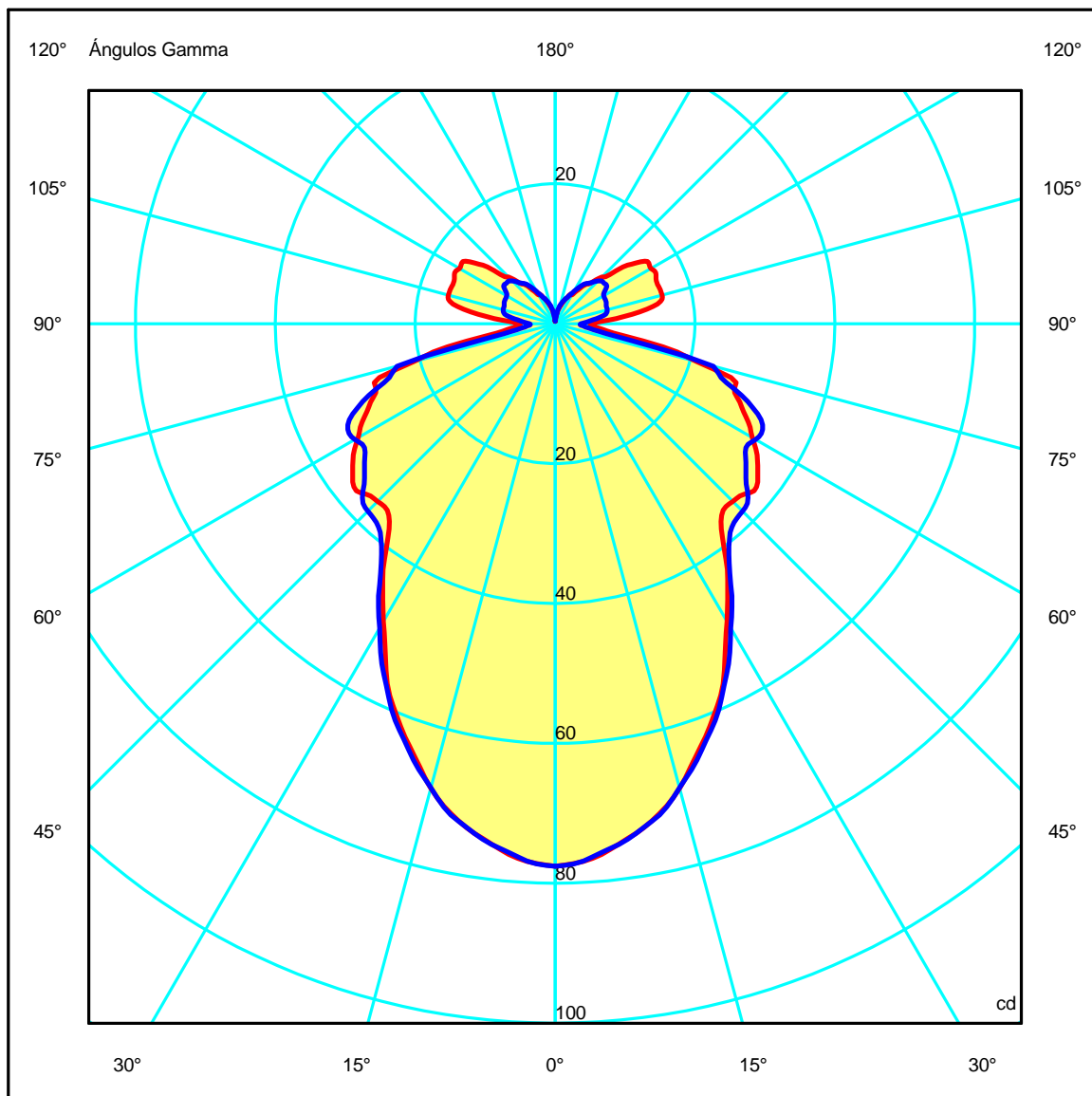
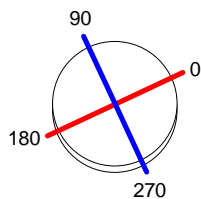
Luminaire Flux	250.81 lm	Luminaire Power	7.59 W	Efficacy	33.04 lm/W	Efficiency	100.00%
Sources Flux	250.81 lm	Maximum value	77.54 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



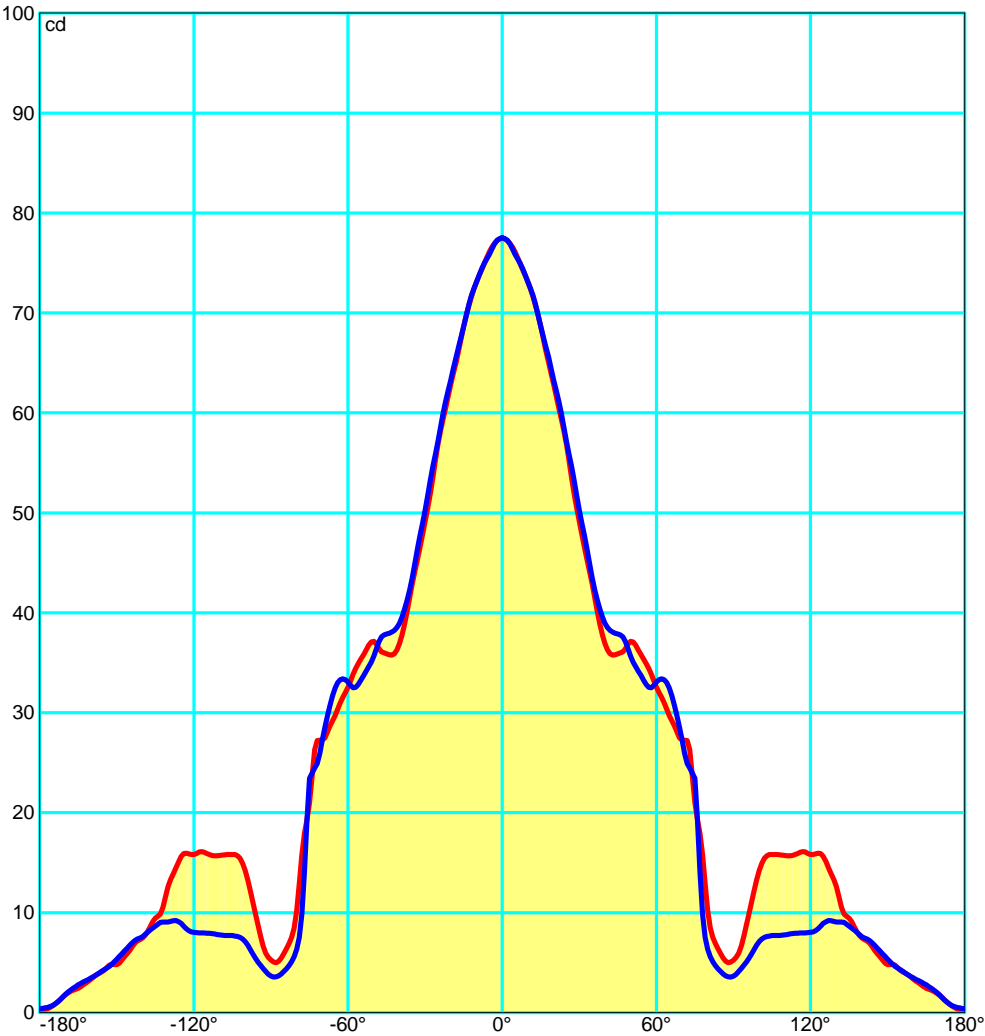
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UGR  
S = 0.250

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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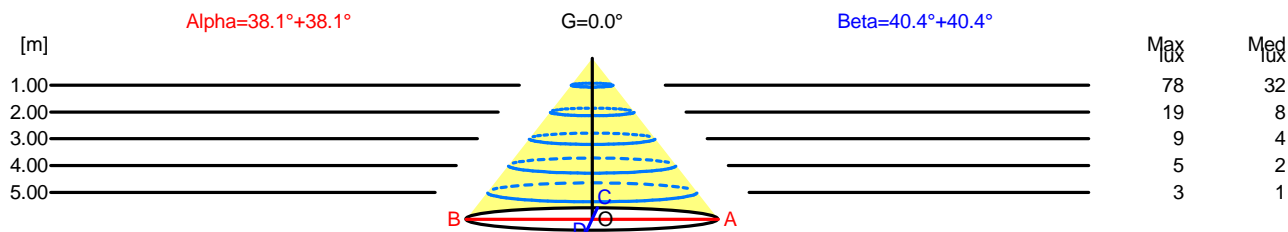
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Sources Flux	250.81 lm	Maximum value	77.54 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.78	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

Luminous Intensities [ 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

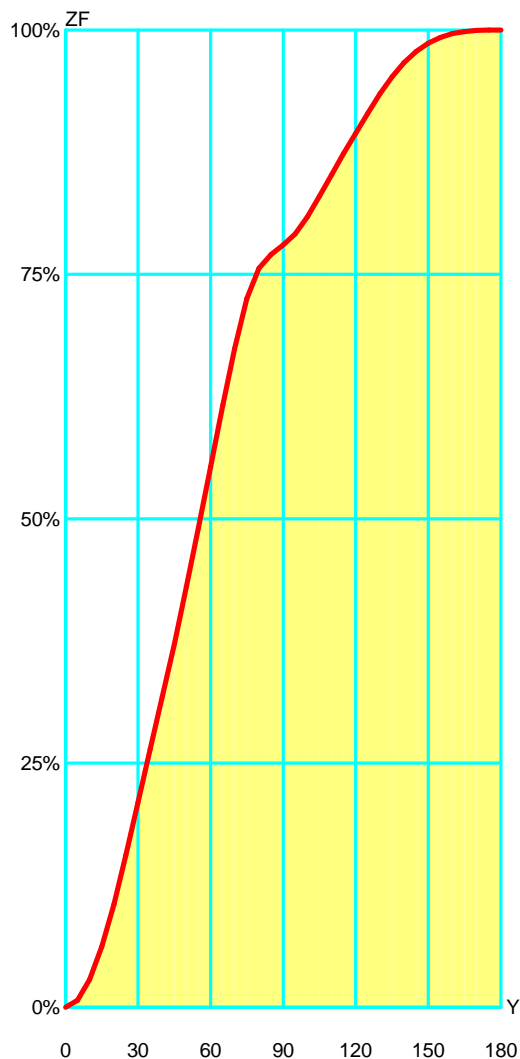
Códigos de Flujo C.I.E.

43 71 93 78 100

C.I.E.  
D DIN 5040  
F UTE  
B NBN  
RN  
BLF

5/6/6/6/6/6/6/6/5/4  
B31  
0.78 G + 0.22 T  
BZ 5  
21.98687 %  
1.0

LOR 100.00000 %  
ULOR 21.98687 %  
DLOR 78.01313 %  
UFF 21.98687 %  
DFF 78.01313 %  
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 (Floor)

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

