

Luminaire

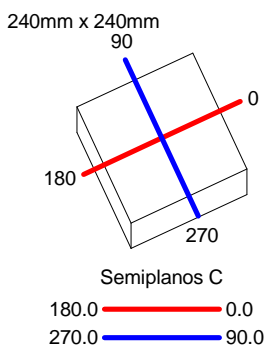
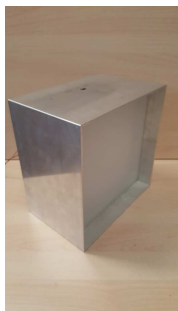
Code 2632XX/23
Name STRUCTURAL

Measur.

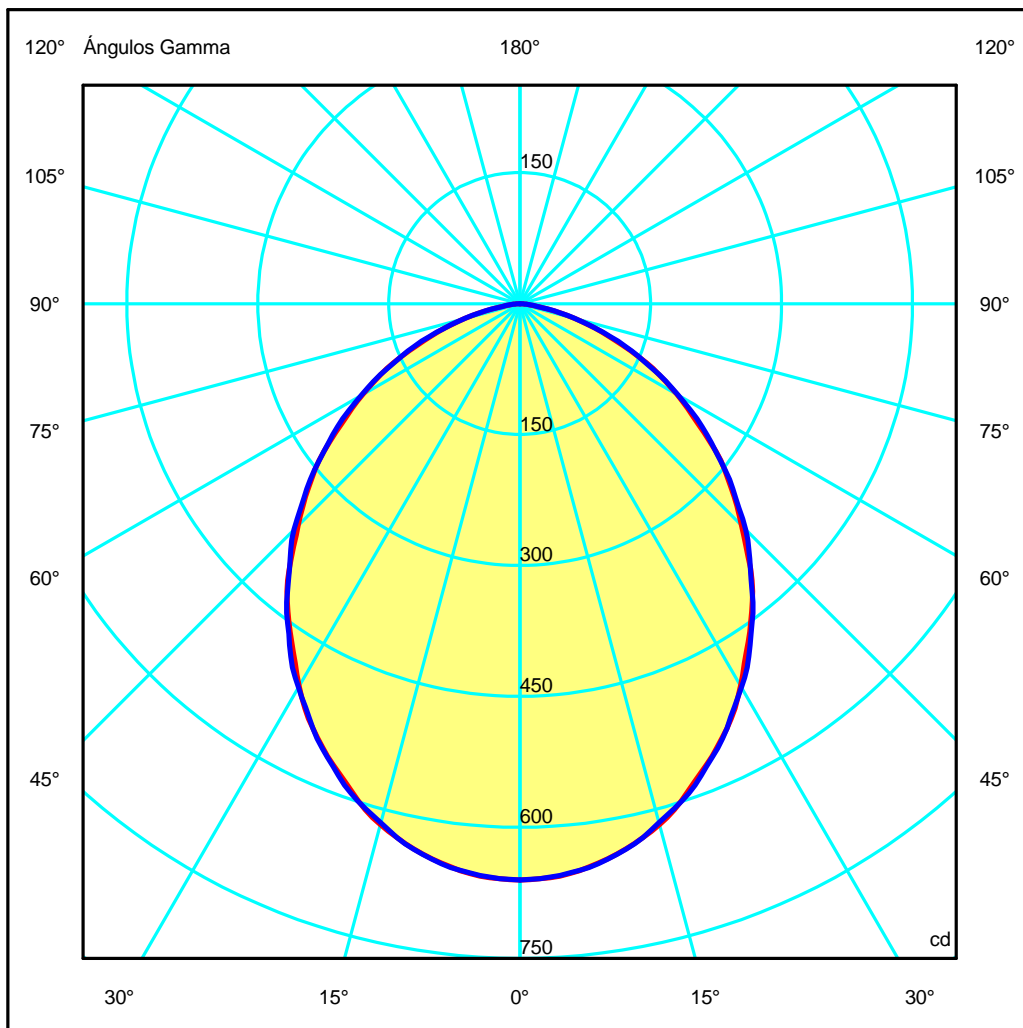
Code CL252A19F015G
Name 3000K CRI90

Luminaire Flux	1507.91 lm	Luminaire Power	22.00 W	Efficacy	68.54 lm/W	Efficiency	100.00%
Sources Flux	1507.91 lm	Maximum value	660.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	240 mm	Width	240 mm	Height	155 mm
Rectangular Luminous Area		Length	225 mm	Width	225 mm	Height	0 mm
Horizontal Luminous Area		0.050625 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.012247 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		11-06-2019		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		1507.91 lm	
Operator		Asselum T2		Rated Voltage		230.19 V	
Temperature		24.70 °C		Rated Current		0.12 A	
Humidity		45.80 %		Photocell		Prc	
Notes		RM19060602.2					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
SAMSUNG LM281B+ SG VM		1x 5751947		Name 1x 5751947		1507.91	22.00	1
C.I.E.	54 85 98 100 100			D DIN 5040	A40			
F UTE	1.00 D			B NBN	BZ 4 / 2 / BZ 3			



ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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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	660	660	660	660	660	660	660
G 2.5	659	659	659	659	659	659	658
G 5.0	655	655	655	655	655	656	655
G 7.5	649	649	650	650	650	649	649
G 10.0	640	642	641	641	640	641	641
G 12.5	630	629	630	631	630	630	630
G 15.0	618	616	617	617	616	617	616
G 17.5	603	602	602	602	602	603	602
G 20.0	583	586	586	586	586	586	587
G 22.5	567	570	566	567	567	567	568
G 25.0	548	545	548	547	548	550	550
G 27.5	529	526	525	525	526	528	527
G 30.0	506	505	504	503	505	507	508
G 32.5	481	484	482	481	484	484	487
G 35.0	459	462	456	456	458	460	461
G 37.5	437	432	433	432	435	437	439
G 40.0	414	408	407	406	408	412	412
G 42.5	385	385	383	382	384	386	389
G 45.0	359	361	358	357	361	361	366
G 47.5	335	335	331	330	332	335	338
G 50.0	311	304	307	304	308	310	314
G 52.5	287	280	278	277	280	285	286
G 55.0	258	256	254	254	256	258	262
G 57.5	231	232	227	228	229	232	237
G 60.0	207	205	202	201	203	206	209
G 62.5	183	177	178	175	180	180	185
G 65.0	160	153	150	150	152	157	158
G 67.5	132	131	128	127	129	129	135
G 70.0	108	108	103	103	103	107	111
G 72.5	86	83	81	79	81	84	87
G 75.0	66	60	61	58	59	62	65
G 77.5	45	42	41	39	41	43	44
G 80.0	25	25	26	24	25	24	28
G 82.5	14	13	13	12	13	12	13
G 85.0	7	6	6	6	6	7	7
G 87.5	3	2	2	2	2	3	3
G 90.0	1	1	1	1	1	1	1

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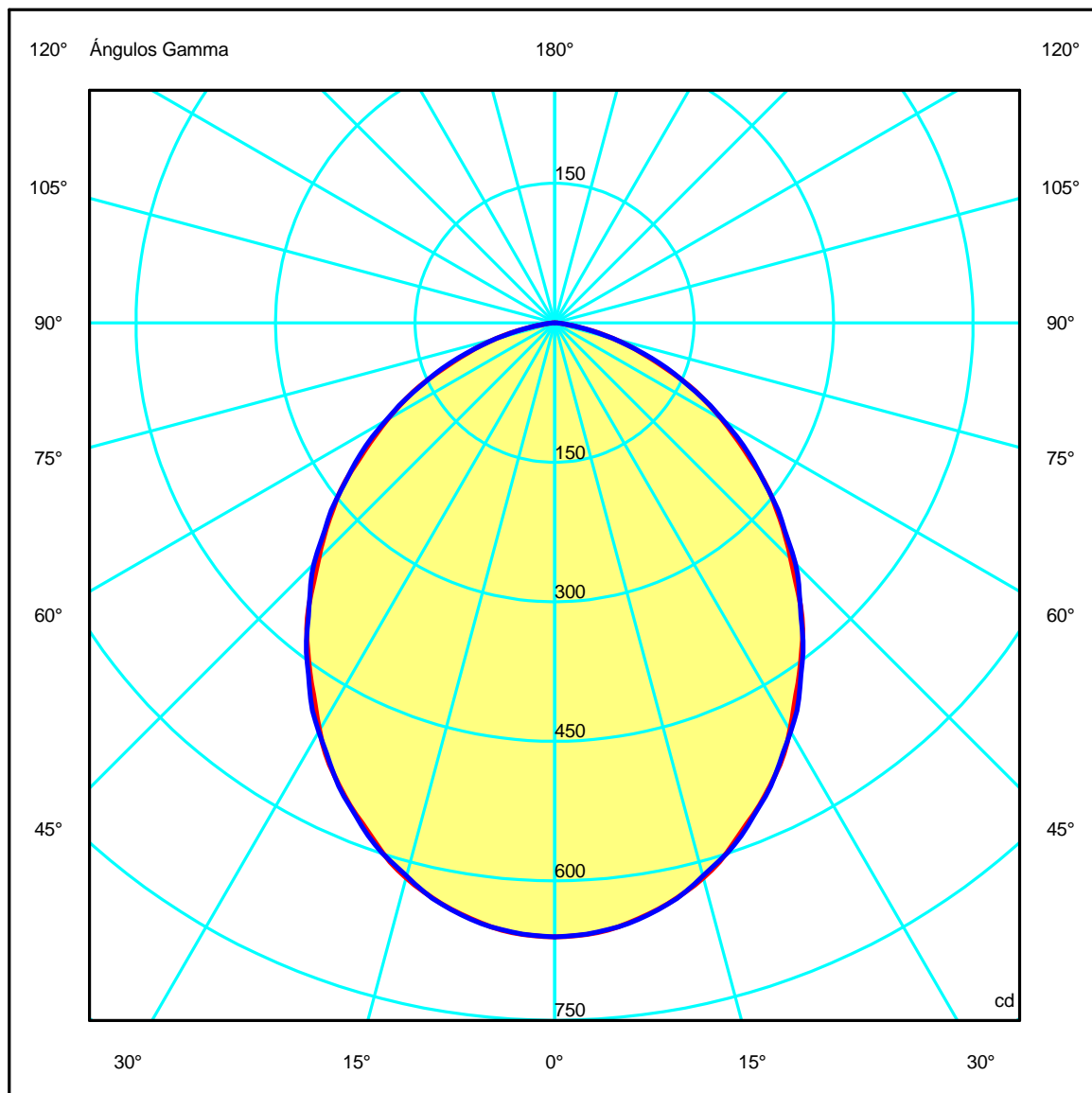
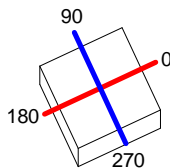
Luminaire Flux	1507.91 lm	Luminaire Power	22.00 W	Efficacy	68.54 lm/W	Efficiency	100.00%
Sources Flux	1507.91 lm	Maximum value	660.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

240mm x 240mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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Sources Flux	1507.91 lm	Maximum value	660.02 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
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	19.8	21.0	20.1	21.2	21.4	19.8	21.1	20.1	21.3	21.5
x=2H y=3H	21.0	22.1	21.3	22.3	22.6	21.0	22.1	21.3	22.4	22.6
x=2H y=4H	21.3	22.4	21.7	22.6	22.9	21.4	22.4	21.7	22.7	23.0
x=2H y=6H	21.5	22.4	21.8	22.7	23.0	21.5	22.5	21.9	22.8	23.1
x=2H y=8H	21.5	22.4	21.8	22.7	23.0	21.5	22.4	21.9	22.8	23.1
x=2H y=12H	21.4	22.3	21.8	22.6	23.0	21.5	22.4	21.9	22.7	23.0
x=4H y=2H	20.4	21.4	20.7	21.7	22.0	20.4	21.5	20.8	21.7	22.0
x=4H y=3H	21.7	22.6	22.1	22.9	23.2	21.7	22.6	22.1	22.9	23.3
x=4H y=4H	22.1	22.9	22.5	23.3	23.6	22.2	22.9	22.6	23.3	23.7
x=4H y=6H	22.3	23.0	22.7	23.4	23.8	22.4	23.0	22.8	23.4	23.8
x=4H y=8H	22.3	23.0	22.8	23.3	23.7	22.4	23.0	22.8	23.4	23.8
x=4H y=12H	22.3	22.9	22.8	23.3	23.7	22.4	22.9	22.8	23.3	23.8
x=8H y=4H	22.3	22.9	22.7	23.3	23.7	22.3	22.9	22.7	23.3	23.7
x=8H y=6H	22.5	23.0	23.0	23.4	23.9	22.6	23.0	23.0	23.5	23.9
x=8H y=8H	22.6	23.0	23.0	23.4	23.9	22.6	23.0	23.1	23.5	23.9
x=8H y=12H	22.6	22.9	23.1	23.4	23.9	22.6	23.0	23.1	23.4	23.9
x=12H y=4H	22.3	22.8	22.7	23.2	23.7	22.3	22.9	22.7	23.3	23.7
x=12H y=6H	22.5	22.9	23.0	23.4	23.9	22.6	23.0	23.0	23.4	23.9
x=12H y=8H	22.6	22.9	23.1	23.4	23.9	22.6	23.0	23.1	23.4	23.9

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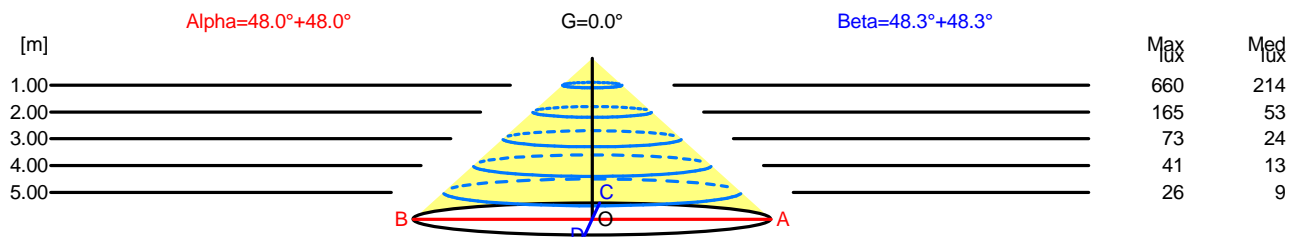
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Sources Flux	1507.91 lm	Maximum value	660.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.11	2.22	3.34	4.45	5.56	OC	1.12	2.24	3.37	4.49	5.61
OB	1.11	2.22	3.34	4.45	5.56	OD	1.12	2.24	3.37	4.49	5.61

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	660.02	655.43	617.80	548.46	458.94	358.92	257.57	159.84	65.52	7.15
OB	660.02	655.43	617.80	548.46	458.94	358.92	257.57	159.84	65.52	7.15
OC	660.02	654.74	615.58	549.72	461.50	365.96	261.61	157.92	64.60	7.37
OD	660.02	654.74	615.58	549.72	461.50	365.96	261.61	157.92	64.60	7.37



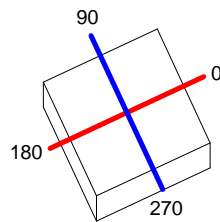
H[m]	D[m]	Max lux	Med lux	Alpha=48.0°+48.0°	G=0.0
1.00	2.22	660	214		
2.00	4.45	165	53		
3.00	6.67	73	24		
4.00	8.89	41	13		
5.00	11.12	26	9		

H[m]	D[m]	Max lux	Med lux	Beta=48.3°+48.3°	G=0.0
1.00	2.24	660	214		
2.00	4.49	165	53		
3.00	6.73	73	24		
4.00	8.98	41	13		
5.00	11.22	26	9		

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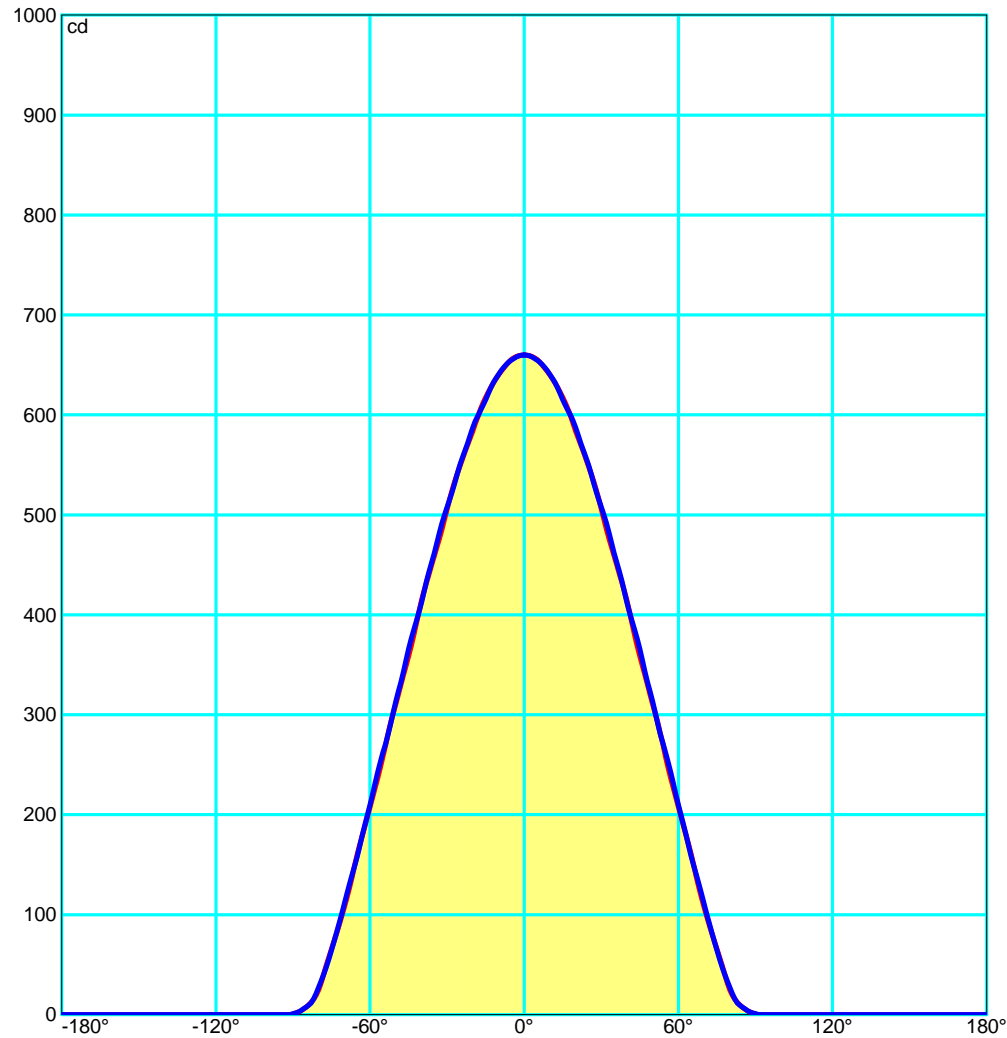
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240mm x 240mm



Semiplanos C

180.0	—	0.0
270.0	—	90.0



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Sources Flux	1507.91 lm	Maximum value	660.02 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Flujo Total=1507.91 Flujo Luminaria=1507.91

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	0.35	0.44	0.52	0.59	0.64	0.73	0.78	0.82	0.86	0.89	0.94	0.97
RC	4	4	4	4	4	4	4	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

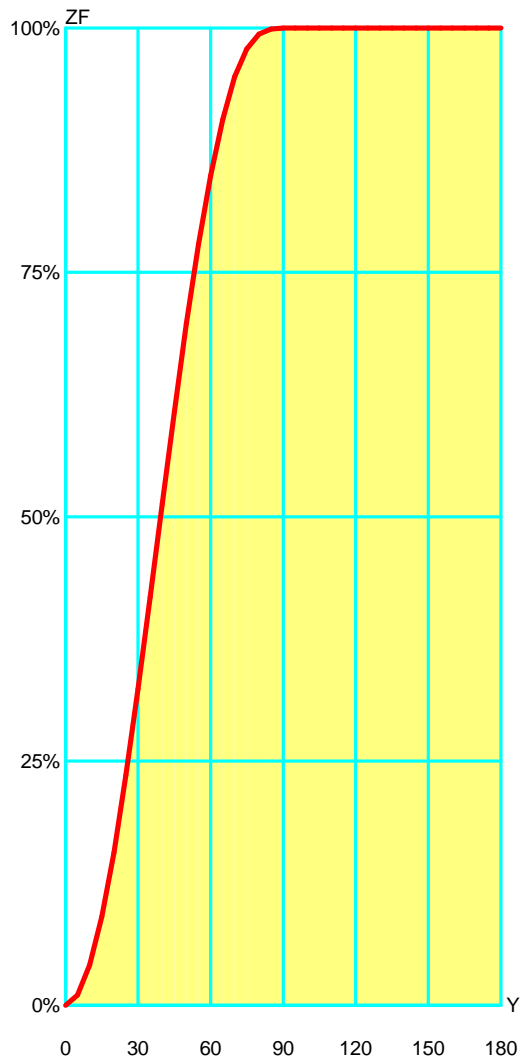
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	41	156	323	514	697	849	950	994	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

54 85 98 100 100

C.I.E. 4/4/4/4/4/4/3/3/3/3
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4 / 2 / BZ 3
RN 0.00000 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.43	10.43	1.04 %	1.04 %
10°	30.75	41.18	3.07 %	4.12 %
15°	49.48	90.65	4.95 %	9.07 %
20°	65.72	156.37	6.57 %	15.64 %
25°	78.82	235.20	7.88 %	23.52 %
30°	88.30	323.50	8.83 %	32.35 %
35°	94.16	417.65	9.42 %	41.77 %
40°	95.99	513.64	9.60 %	51.36 %
45°	94.36	608.00	9.44 %	60.80 %
50°	89.31	697.31	8.93 %	69.73 %
55°	81.13	778.44	8.11 %	77.84 %
60°	70.55	848.99	7.06 %	84.90 %
65°	57.64	906.63	5.76 %	90.66 %
70°	43.45	950.09	4.35 %	95.01 %
75°	28.68	978.77	2.87 %	97.88 %
80°	15.00	993.76	1.50 %	99.38 %
85°	5.13	998.89	0.51 %	99.89 %
90°	1.11	1000.00	0.11 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

