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**Project 1**

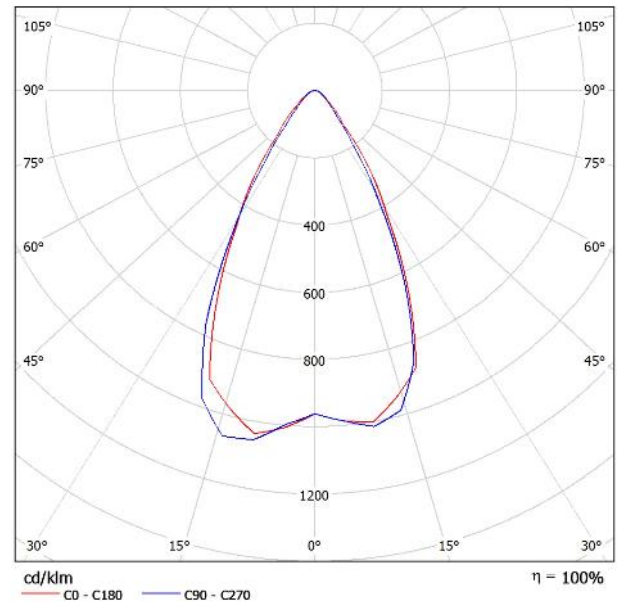
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## FL3450-280W350/ Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:

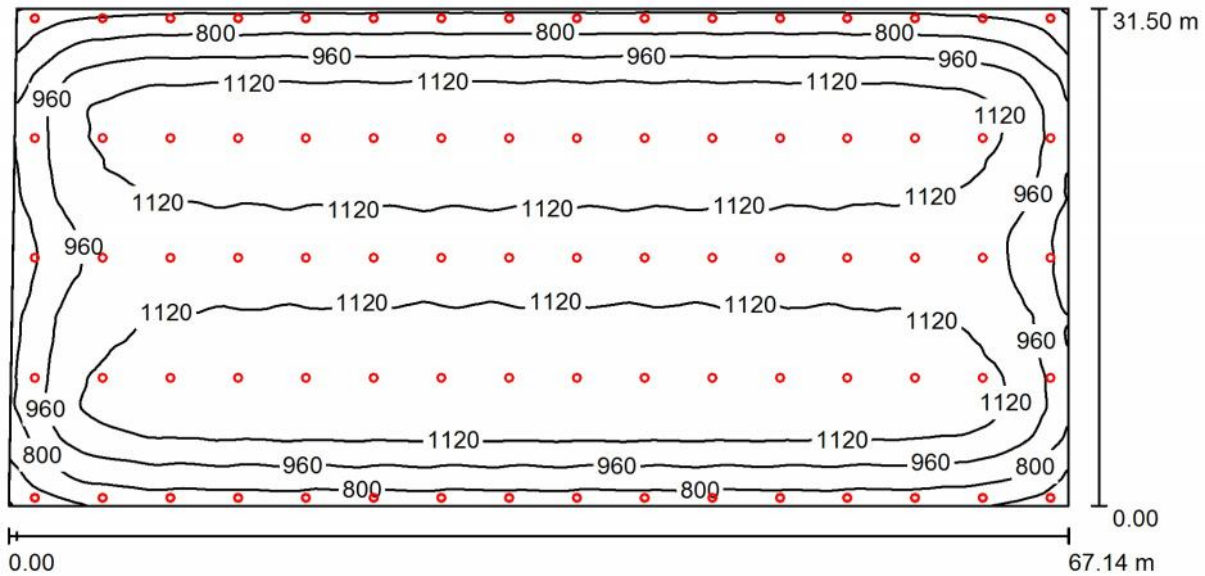


Luminaire classification according to CIE: 100  
CIE flux code: 87 96 99 100 101

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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**Room 1 / Summary**



Height of Room: 12.000 m, Mounting Height: 12.000 m, Light loss factor: 0.80 Values in Lux, Scale 1:480

Surface	[%]	$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	$u0$
Workplane	/	1048	473	1252	0.451
Floor	20	1038	485	1214	0.467
Ceiling	70	192	162	676	0.845
Walls (4)	50	327	161	1481	/

**Workplane:**

Height: 1.000 m  
Grid: 128 x 128 Points  
Boundary Zone: 0.000 m

**Luminaire Parts List**

No.	Pieces	Designation (Correction Factor)	(Luminaire) [lm]	(Lamps) [lm]	P [W]
1	80	FL3450-280W350(Type 1)*(1.000)	35312	35251	346.2

\*Modified Technical Specifications

Total: 2824992 Total: 2820080 27696.0

Specific connected load: 13.14 W/m<sup>2</sup> = 1.25 W/m<sup>2</sup>/100 lx (Ground area: 2106.97 m<sup>2</sup>)

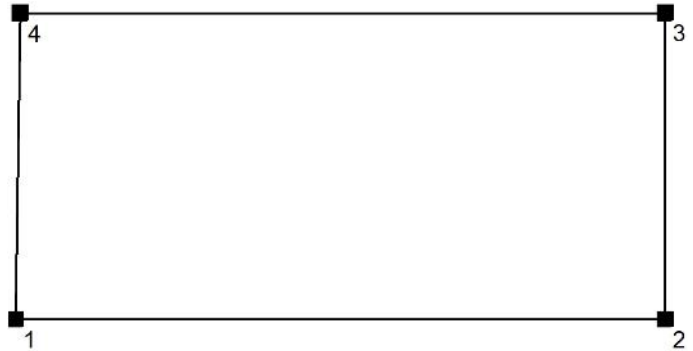
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## Room 1 / Input Protocol

Height of working plane: 1.000 m  
Boundary Zone: 0.000 m

Light loss factor: 0.80

Height of Room: 12.000 m  
Ground area: 2106.97 m<sup>2</sup>



Surface	Rho [%]	from ( [m]   [m] )	towards ( [m]   [m] )	Length [m]
Floor	20	/	/	/
Ceiling	70	/	/	/
Wall 1	50	( -0.500   -0.500 )	( 66.638   -0.500 )	67.138
Wall 2	50	( 66.638   -0.500 )	( 66.638   31.000 )	31.500
Wall 3	50	( 66.638   31.000 )	( 0.000   31.000 )	66.638
Wall 4	50	( 0.000   31.000 )	( -0.500   -0.500 )	31.504

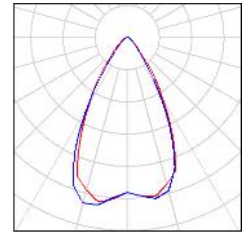
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**Room 1 / Luminaire parts list**

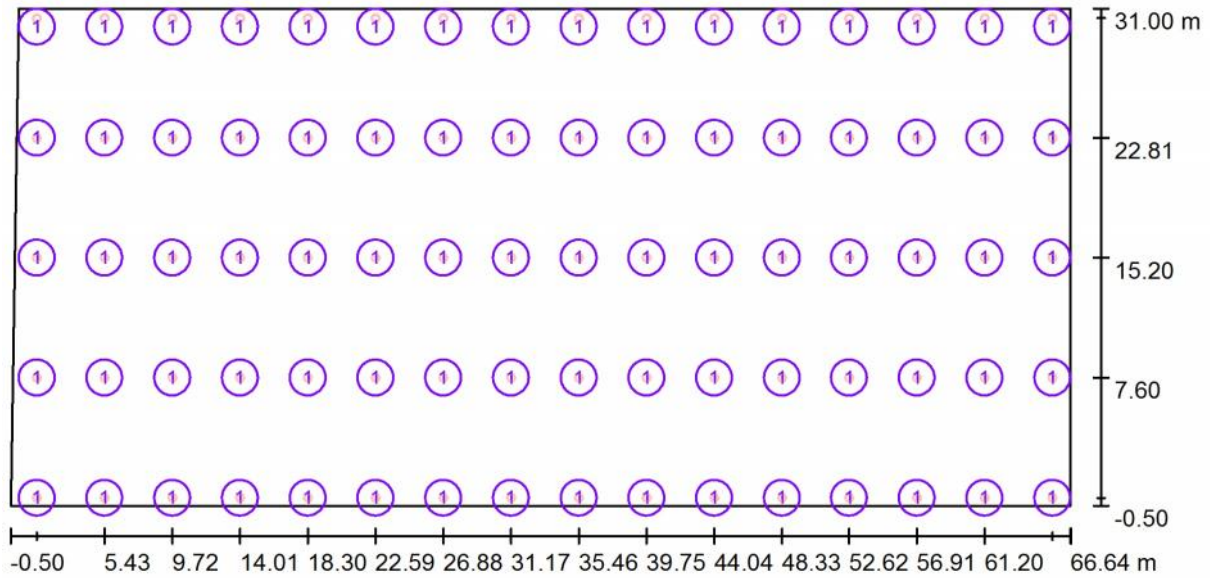
80 Pieces FL3450-280W350 (Type 1) Article No.:  
Luminous flux (Luminaire): 35312 lm  
Luminous flux (Lamps): 35251 lm  
Luminaire Wattage: 346.2 W  
Luminaire classification according to CIE: 100  
CIE flux code: 87 96 99 100 101  
Fitting: 1 x User defined (Correction Factor  
1.000).

See our luminaire  
catalog for an image of  
the luminaire.



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**Room 1/Luminaires(layout plan)**



Scale 1 : 480

**Luminaire Parts List**

No.	Pieces	Designation
1	80	FL3450-280W350 (Type 1)*

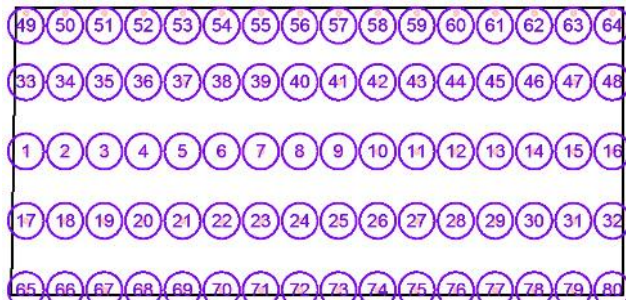
\*Modified Technical Specifications

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### Room 1/Luminaires(coordinateslist)

#### FL3450-280W350.(Type 1)

35312 lm, 346.2 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	1.145	15.202	12.000	0.0	0.0	90.0
2	5.435	15.202	12.000	0.0	0.0	90.0
3	9.725	15.202	12.000	0.0	0.0	90.0
4	14.015	15.202	12.000	0.0	0.0	90.0
5	18.304	15.202	12.000	0.0	0.0	90.0
6	22.594	15.202	12.000	0.0	0.0	90.0
7	26.884	15.202	12.000	0.0	0.0	90.0
8	31.174	15.202	12.000	0.0	0.0	90.0
9	35.464	15.203	12.000	0.0	0.0	90.0
10	39.754	15.203	12.000	0.0	0.0	90.0
11	44.044	15.203	12.000	0.0	0.0	90.0
12	48.334	15.203	12.000	0.0	0.0	90.0
13	52.623	15.203	12.000	0.0	0.0	90.0
14	56.913	15.203	12.000	0.0	0.0	90.0
15	61.203	15.203	12.000	0.0	0.0	90.0
16	65.493	15.203	12.000	0.0	0.0	90.0
17	1.145	7.600	12.000	0.0	0.0	90.0
18	5.435	7.600	12.000	0.0	0.0	90.0
19	9.725	7.600	12.000	0.0	0.0	90.0
20	14.015	7.600	12.000	0.0	0.0	90.0
21	18.304	7.600	12.000	0.0	0.0	90.0
22	22.594	7.600	12.000	0.0	0.0	90.0
23	26.884	7.600	12.000	0.0	0.0	90.0
24	31.174	7.600	12.000	0.0	0.0	90.0
25	35.464	7.600	12.000	0.0	0.0	90.0
26	39.754	7.600	12.000	0.0	0.0	90.0
27	44.044	7.600	12.000	0.0	0.0	90.0
28	48.334	7.600	12.000	0.0	0.0	90.0

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### Room 1/Luminaires(coordinateslist)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	52.623	7.600	12.000	0.0	0.0	90.0
30	56.913	7.600	12.000	0.0	0.0	90.0
31	61.203	7.600	12.000	0.0	0.0	90.0
32	65.493	7.600	12.000	0.0	0.0	90.0
33	1.145	22.805	12.000	0.0	0.0	90.0
34	5.435	22.805	12.000	0.0	0.0	90.0
35	9.725	22.805	12.000	0.0	0.0	90.0
36	14.015	22.805	12.000	0.0	0.0	90.0
37	18.304	22.805	12.000	0.0	0.0	90.0
38	22.594	22.805	12.000	0.0	0.0	90.0
39	26.884	22.805	12.000	0.0	0.0	90.0
40	31.174	22.805	12.000	0.0	0.0	90.0
41	35.464	22.805	12.000	0.0	0.0	90.0
42	39.754	22.805	12.000	0.0	0.0	90.0
43	44.044	22.805	12.000	0.0	0.0	90.0
44	48.334	22.805	12.000	0.0	0.0	90.0
45	52.623	22.805	12.000	0.0	0.0	90.0
46	56.913	22.805	12.000	0.0	0.0	90.0
47	61.203	22.805	12.000	0.0	0.0	90.0
48	65.493	22.805	12.000	0.0	0.0	90.0
49	1.145	30.405	12.000	0.0	20.0	90.0
50	5.435	30.405	12.000	0.0	20.0	90.0
51	9.725	30.405	12.000	0.0	20.0	90.0
52	14.015	30.405	12.000	0.0	20.0	90.0
53	18.304	30.405	12.000	0.0	20.0	90.0
54	22.594	30.405	12.000	0.0	20.0	90.0
55	26.884	30.405	12.000	0.0	20.0	90.0
56	31.174	30.405	12.000	0.0	20.0	90.0
57	35.464	30.405	12.000	0.0	20.0	90.0
58	39.754	30.405	12.000	0.0	20.0	90.0
59	44.044	30.405	12.000	0.0	20.0	90.0
60	48.334	30.405	12.000	0.0	20.0	90.0
61	52.623	30.405	12.000	0.0	20.0	90.0
62	56.913	30.405	12.000	0.0	20.0	90.0
63	61.203	30.405	12.000	0.0	20.0	90.0
64	65.493	30.405	12.000	0.0	20.0	90.0
65	1.145	0.000	12.000	0.0	-20.0	90.0
66	5.435	0.000	12.000	0.0	-20.0	90.0

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**Room 1/Luminaires(coordinateslist)**

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
67	9.725	0.000	12.000	0.0	-20.0	90.0
68	14.015	0.000	12.000	0.0	-20.0	90.0
69	18.304	0.000	12.000	0.0	-20.0	90.0
70	22.594	0.000	12.000	0.0	-20.0	90.0
71	26.884	0.000	12.000	0.0	-20.0	90.0
72	31.174	0.000	12.000	0.0	-20.0	90.0
73	35.464	0.000	12.000	0.0	-20.0	90.0
74	39.754	0.000	12.000	0.0	-20.0	90.0
75	44.044	0.000	12.000	0.0	-20.0	90.0
76	48.334	0.000	12.000	0.0	-20.0	90.0
77	52.623	0.000	12.000	0.0	-20.0	90.0
78	56.913	0.000	12.000	0.0	-20.0	90.0
79	61.203	0.000	12.000	0.0	-20.0	90.0
80	65.493	0.000	12.000	0.0	-20.0	90.0

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## Room 1/PhotometricResults

Total Luminous Flux: 2824992 lm  
Total Load: 27696.0 W  
Light loss factor: 0.80  
Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m <sup>2</sup> ]
	direct	indirect	total		
Workplane	905	143	1048	/	/
Floor	894	144	1038	20	66
Ceiling	1.18	190	192	70	43
Wall 1	145	172	317	50	50
Wall 2	225	160	384	50	61
Wall 3	124	168	291	50	46
Wall 4	204	163	367	50	58

Uniformity on the working plane

u<sub>0</sub>: 0.451 (1:2)

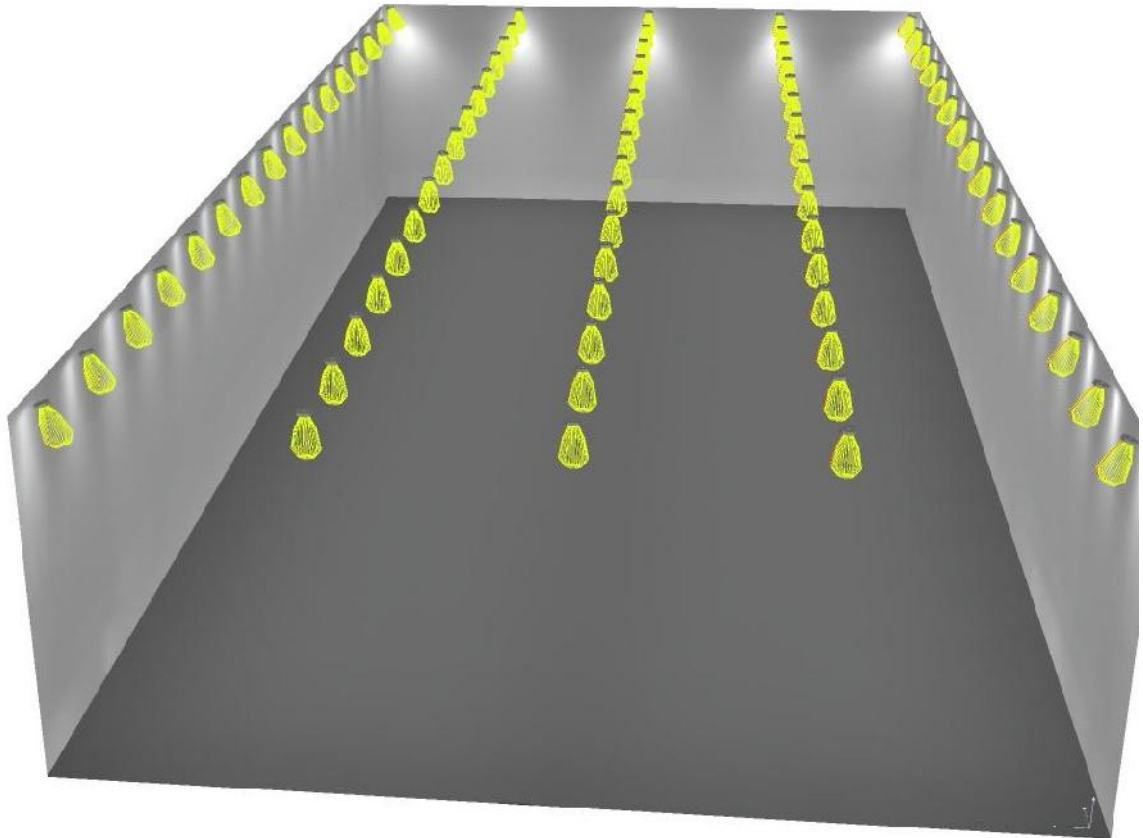
E<sub>min</sub> / E<sub>max</sub>: 0.378 (1:3)

Specific connected load: 13.14 W/m<sup>2</sup> = 1.25 W/m<sup>2</sup>/100 lx (Ground area: 2106.97 m<sup>2</sup>)

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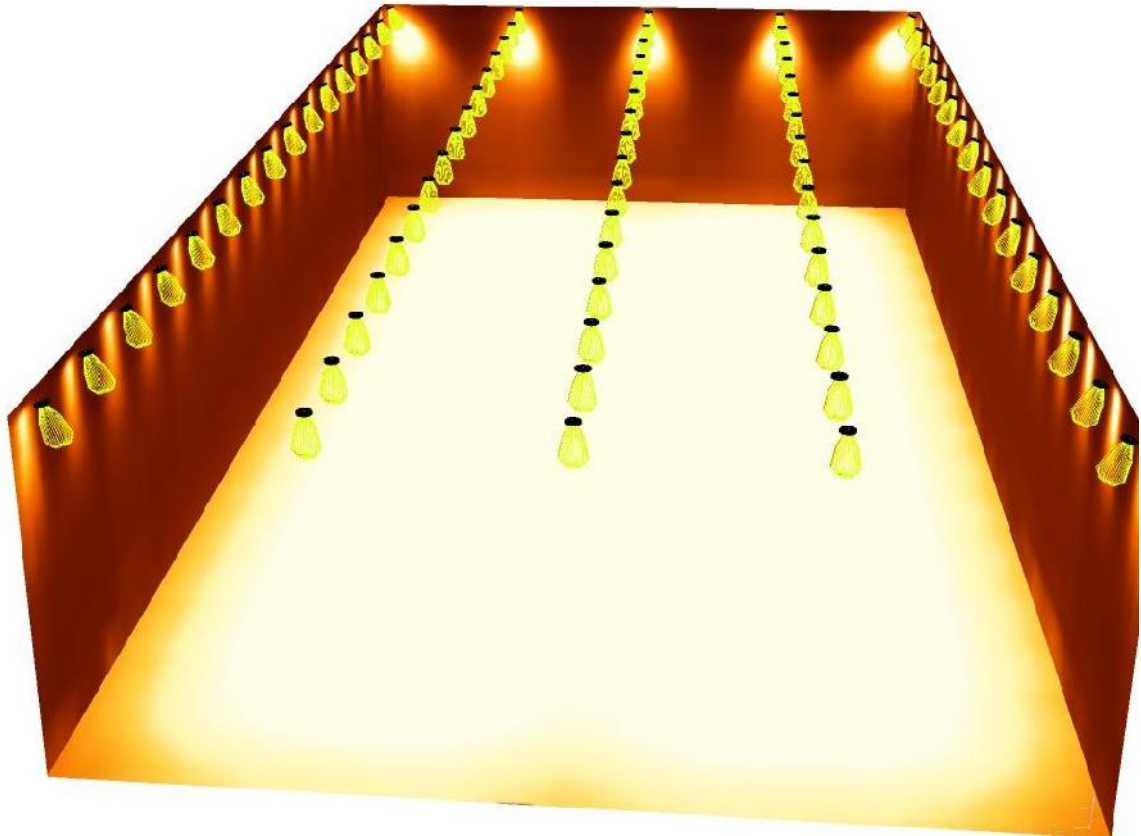
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**Room 1/3DRendering**



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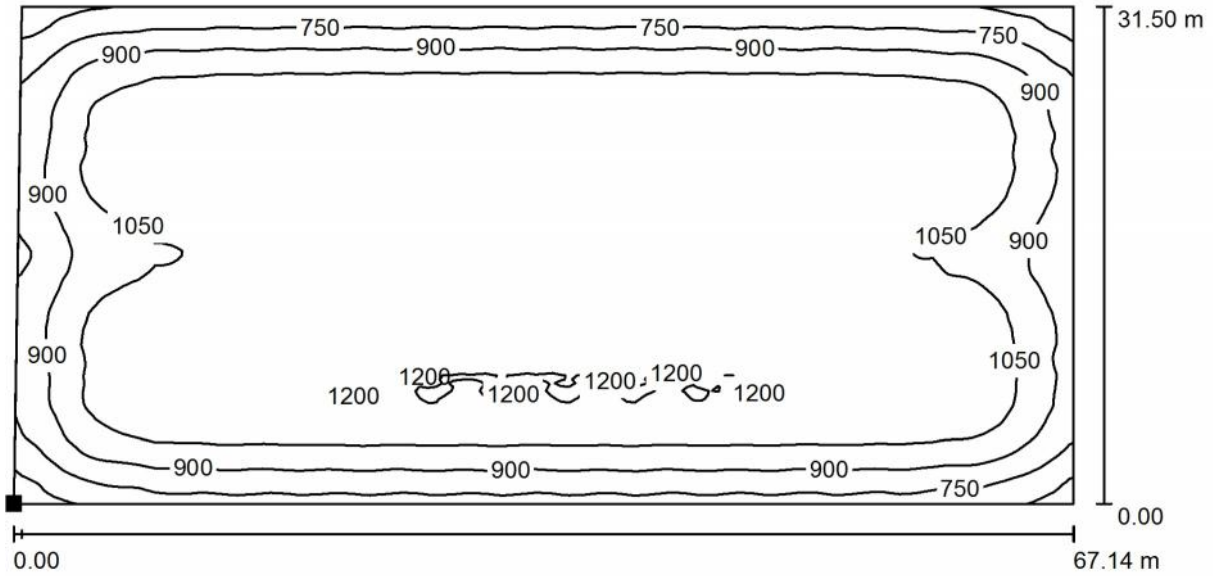
**Room 1/FalseColorRendering**



100 200 300 400 500 600 700 800 1000 lx

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**Room 1/Floor/Isolines(E)**



Values in Lux, Scale 1 : 480

Position of surface in room:  
Marked point:  
(-0.500 m, -0.500 m, 0.000 m)

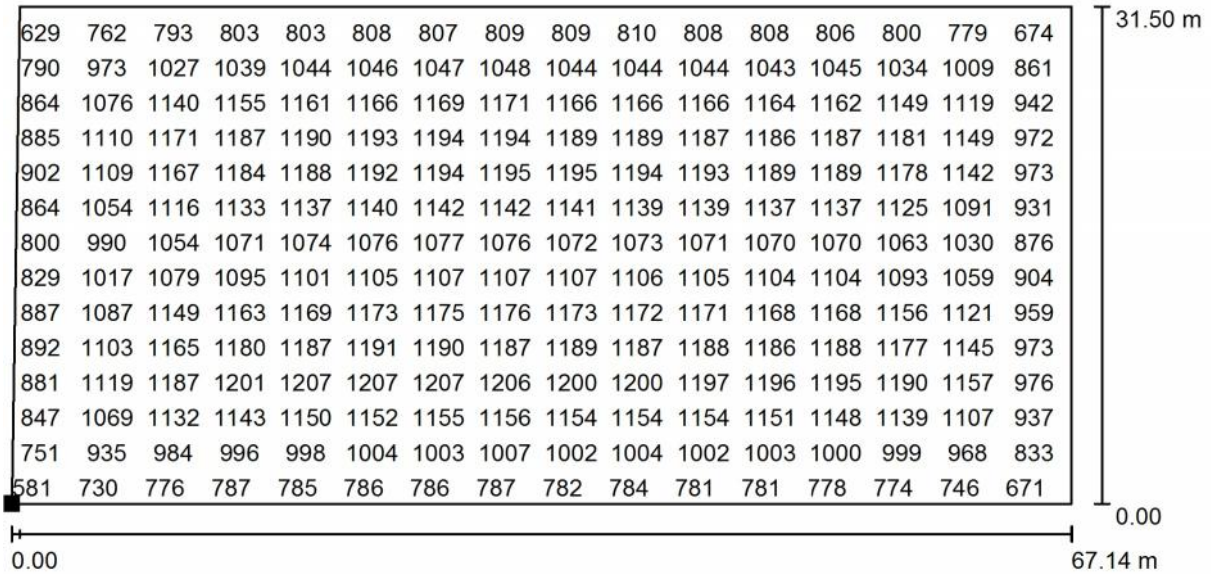


Grid: 128 x 128 Points

$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$
1038	485	1214	0.467	0.400

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**Room 1/Floor/Value Chart(E)**



Values in Lux, Scale 1 : 480

Not all calculated values could be displayed.

Position of surface in room:  
Marked point:  
(-0.500 m, -0.500 m, 0.000 m)



Grid: 128 x 128 Points

$E_{av}$ [lx]	$E_{min}$ [lx]	$E_{max}$ [lx]	u0	$E_{min} / E_{max}$
1038	485	1214	0.467	0.400