

Light calculation with 430 Sun Agro

Customer
 Dealer
 Dimensions 1 X 3' X 3' 430 WATT SON AGRO
 Calculation number 1
 Date 14-12-2000
 Drawing number



Luminaire information:

no	type	luminous flux [lm]	x [ft]	y [ft]	z [ft]	rx	ry	rz
0	PL2000 DEEP 430W Grid: 3 x 3 armatures, configuration: 3.00 ft x 3.00 ft	53000	3.00	3.00	2.00	0.00	0.00	90.00

Illumination:

average (Eav):	5008 fcd
minimum (Emin):	4740 fcd
maximum (Emax):	5217 fcd
Emin/Emax:	90.9 %
Emin/Eav:	94.7 %

Calculation plane:

5022	4961	4932	4838	<u>4740</u>	4743	4740	4838	4932	4961	5022
5134	5118	5079	5022	<u>4921</u>	4848	4921	5022	5079	5118	5134
5109	5113	5051	5025	4959	5010	4959	5025	5051	5113	5109
4963	4948	4946	5045	5115	5133	5115	5045	4946	4948	4963
4874	4878	4918	5069	5193	<u>5217</u>	5193	5069	4918	4878	4874
4842	4869	4901	<u>5044</u>	5134	<u>5184</u>	5134	5044	4901	4869	4842
4874	4878	4918	5069	5193	5217	5193	5069	4918	4878	4874
4963	4948	4946	5045	5115	5133	5115	5045	4946	4948	4963
5109	5113	5051	5025	4959	5010	4959	5025	5051	5113	5109
5134	5118	5079	5022	4921	4848	4921	5022	5079	5118	5134
5022	4961	4932	4838	4740	4743	4740	4838	4932	4961	5022

Fixtures vertical in tabel.

The underlined numbers show the position of the Fixtures in the calculation field.

This calculation is made with one exact measured light fixture in a perfect condition.

Because of this you may experience some variance in lightlevel due to voltage loss, dust, mounting, temperature, greenhouse installation and tolerance of bulb and ballast unit.

Light calculation with 430 watt Hortilux bulb

Customer
Dealer
Dimensions 1 X 3' X 3' 430 WATT HORTILUX
Calculation number 1
Calculator Peter Berkhout
Date 14-12-2000
Drawing number

Luminaire information:

no	type	luminous flux [lm]	x [ft]	y [ft]	z [ft]	rx	ry	rz
0	PL2000 DEEP 430W Grid: 3 x 3 armatures, configuration: 3.00 ft x 3.00 ft	57000	3.00	3.00	2.00	0.00	0.00	90.00

Illumination:

average (Eav):	5386 fcd
minimum (Emin):	5098 fcd
maximum (Emax):	5611 fcd
Emin/Emax:	90.9 %
Emin/Eav:	94.7 %

Calculation plane:

5401	5335	5304	5203	5098	5101	5098	5203	5304	5335	5401
5521	5505	5462	5401	5292	5214	5292	5401	5462	5505	5521
5495	5499	5432	5405	5333	5388	5333	5405	5432	5499	5495
5338	5322	5320	5426	5501	5520	5501	5426	5320	5322	5338
5242	5246	5289	5452	5585	5611	5585	5452	5289	5246	5242
5207	5237	5271	5425	5522	<u>5576</u>	5522	5425	5271	5237	5207
5242	5246	5289	5452	5585	5611	5585	5452	5289	5246	5242
5338	5322	5320	5426	5501	5520	5501	5426	5320	5322	5338
5495	5499	5432	5405	5333	5388	5333	5405	5432	5499	5495
5521	5505	5462	5401	5292	5214	5292	5401	5462	5505	5521
5401	5335	5304	5203	5098	5101	5098	5203	5304	5335	5401

Fixtures vertical in tabel.

The underlined numbers show the position of the Fixtures in the calculation field.

This calculation is made with one exact measured light fixture in a perfect condition.

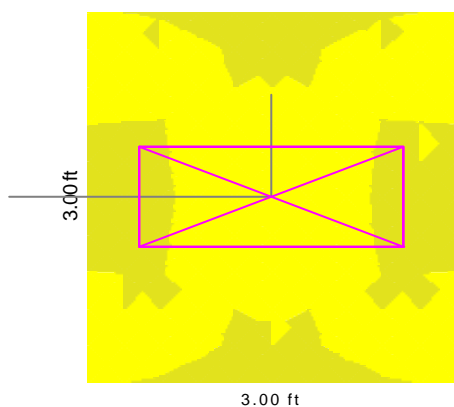
Because of this you may experience some variance in lightlevel due to voltage loss, dust, mounting, temperature, greenhouse installation and tolerance of bulb and ballast unit.

Calculation field:

Uniformity in calculation field:

Emin: 5098 fcd Emax: 5611 fcd Eav: 5386 fcd
Emin/Emax: 90.9 % Emin/Eav: 94.7 %
Calculation plane: (4.50 ft, 4.50 ft) - (7.50 ft, 7.50 ft)

■	5334-5615 fcd
■	5053-5334 fcd



This calculation is made with one exact measured light fixture in a perfect condition.
Because of this you may experience some variance in lightlevel due to voltage loss, dust, mounting, temperature, greenhouse installation and tolerance of bulb and ballast unit.

2/2 (1 x 3' x 3' 430 watt hortilux)