

Aqua Sunrise A005-90 - 120° Linsen

H = 30cm

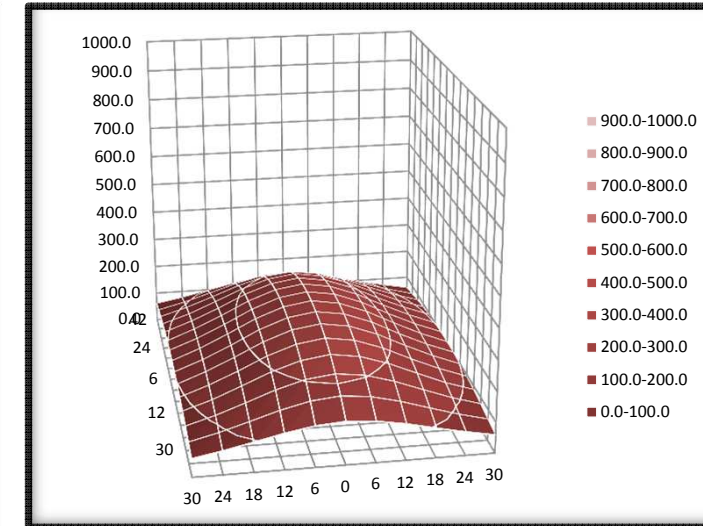
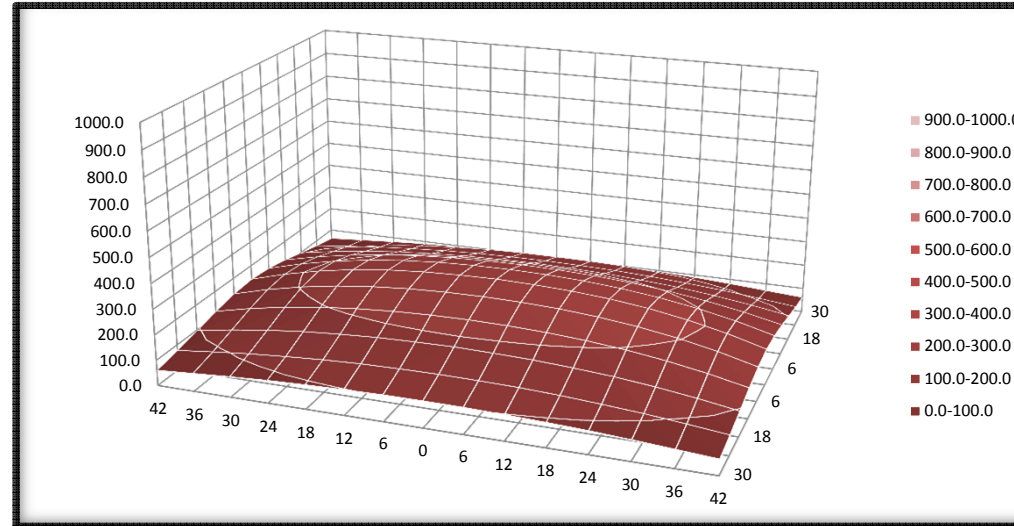
Modul: Aqua Sunrise A005-90
 Raumtemperatur: 19 Grad Celsius
 Messinstrument: kalibriertes Spektrometer
 Abstand von Sensor bis uk Modul: 30 cm
 Raum: Abgedunkelt
 Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
 Leistungsangabe Hersteller: 224 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	60.0	70.0	80.0	88.5	94.5	99.0	102.5	103.0	102.5	99.0	94.5	88.5	80.0	70.0	60.0
24	77.0	93.0	107.5	118.5	128.0	134.5	137.5	139.0	137.5	134.5	128.0	118.5	107.5	93.0	77.0
18	97.0	121.0	141.0	157.0	167.5	176.0	180.0	182.5	180.0	176.0	167.5	157.0	141.0	121.0	97.0
12	118.0	150.0	176.0	196.5	211.0	221.0	226.5	228.5	226.5	221.0	211.0	196.5	176.0	150.0	118.0
6	134.0	172.5	203.0	226.5	243.5	255.0	261.0	263.0	261.0	255.0	243.5	226.5	203.0	172.5	134.0
0	141.0	182.0	214.5	240.0	257.5	269.0	275.0	278.0	275.0	269.0	257.5	240.0	214.5	182.0	141.0
6	134.0	172.5	203.0	226.5	243.5	255.0	261.0	263.0	261.0	255.0	243.5	226.5	203.0	172.5	134.0
12	118.0	150.0	176.0	196.5	211.0	221.0	226.5	228.5	226.5	221.0	211.0	196.5	176.0	150.0	118.0
18	97.0	121.0	141.0	157.0	167.5	176.0	180.0	182.5	180.0	176.0	167.5	157.0	141.0	121.0	97.0
24	77.0	93.0	107.5	118.5	128.0	134.5	137.5	139.0	137.5	134.5	128.0	118.5	107.5	93.0	77.0
30	60.0	70.0	80.0	88.5	94.5	99.0	102.5	103.0	102.5	99.0	94.5	88.5	80.0	70.0	60.0

1'292.00
 1'731.00
 2'261.50
 2'826.50
 3'254.00
 3'436.00
 3'254.00
 2'826.50
 2'261.50
 1'731.00
 1'292.00

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 187.0 Watt
 Lux 11'730 lx

x = 0.236
 y = 0.170
 z = 0.594
 Summe 26'166.00
PAR pro Watt 139.93 91.01
PAR im Mittel 158.58 199.35



H = 45cm

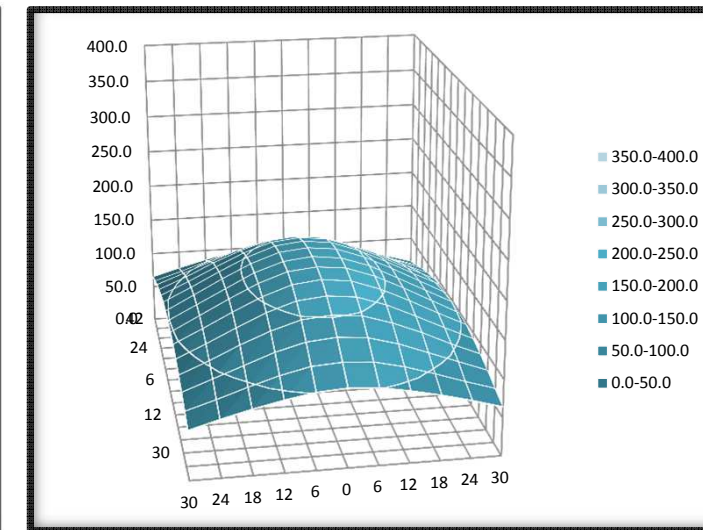
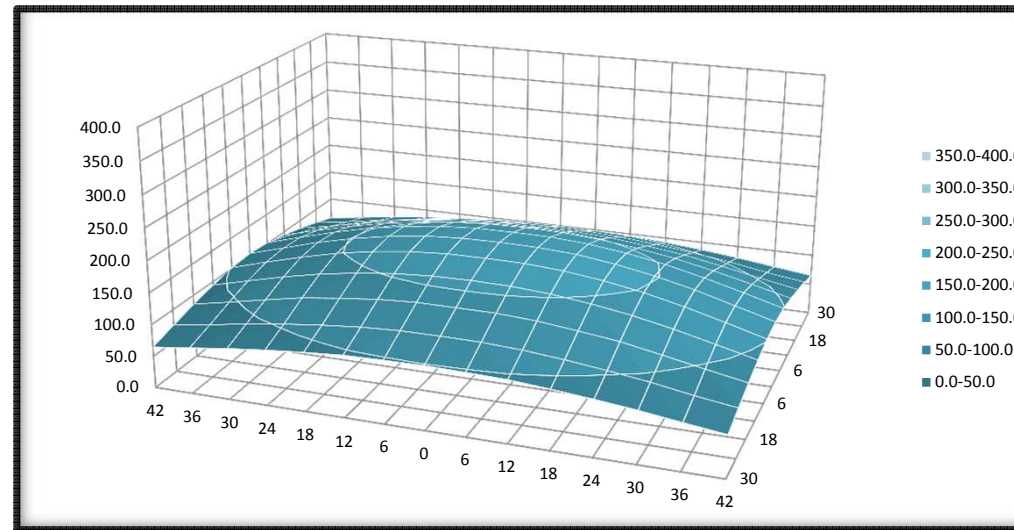
Modul: Aqua Sunrise A005-90
 Raumtemperatur: 19 Grad Celsius
 Messinstrument: kalibriertes Spektrometer
 Abstand von Sensor bis uk Modul: 45 cm
 Raum: Abgedunkelt
 Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
 Leistungsangabe Hersteller: 224 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	64.5	72.0	80.0	86.5	92.0	96.5	98.0	99.0	98.0	96.5	92.0	86.5	80.0	72.0	64.5
24	75.5	84.0	94.5	102.5	109.5	115.0	118.0	118.5	118.0	115.0	109.5	102.5	94.5	84.0	75.5
18	85.5	97.0	109.0	120.5	128.0	134.5	138.0	138.0	138.0	134.5	128.0	120.5	109.0	97.0	85.5
12	94.0	109.0	123.5	136.0	145.5	152.5	156.5	157.5	156.5	152.5	145.5	136.0	123.5	109.0	94.0
6	101.0	118.0	134.0	148.0	158.5	166.0	170.0	170.5	170.0	166.0	158.5	148.0	134.0	118.0	101.0
0	103.5	120.5	137.5	151.5	162.5	170.5	174.0	175.0	174.0	170.5	162.5	151.5	137.5	120.5	103.5
6	101.0	118.0	134.0	148.0	158.5	166.0	170.0	170.5	170.0	166.0	158.5	148.0	134.0	118.0	101.0
12	94.0	109.0	123.5	136.0	145.5	152.5	156.5	157.5	156.5	152.5	145.5	136.0	123.5	109.0	94.0
18	85.5	97.0	109.0	120.5	128.0	134.5	138.0	138.0	138.0	134.5	128.0	120.5	109.0	97.0	85.5
24	75.5	84.0	94.5	102.5	109.5	115.0	118.0	118.5	118.0	115.0	109.5	102.5	94.5	84.0	75.5
30	64.5	72.0	80.0	86.5	92.0	96.5	98.0	99.0	98.0	96.5	92.0	86.5	80.0	72.0	64.5

1'278.00
 1'516.50
 1'763.00
 1'991.50
 2'161.50
 2'215.00
 2'161.50
 1'991.50
 1'763.00
 1'516.50
 1'278.00

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 187.0 Watt
 Lux 7'370 lx

x = 0.235
 y = 0.169
 z = 0.596
 Summe 19'636.00
PAR pro Watt 105.01 65.79
PAR im Mittel 119.01 141.44



H = 60 cm

Modul: Aqua Sunrise A005-90
 Raumtemperatur: 19 Grad Celsius
 Messinstrument: kalibriertes Spektrometer
 Abstand von Sensor bis uk Modul: 60 cm
 Raum: Abgedunkelt
 Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
 Leistungsangabe Hersteller: 224 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	59.5	64.5	70.0	75.0	79.0	82.0	83.5	84.0	83.5	82.0	79.0	75.0	70.0	64.5	59.5
24	66.0	72.0	78.0	84.0	88.5	92.0	93.5	94.5	93.5	92.0	88.5	84.0	78.0	72.0	66.0
18	71.0	79.0	86.0	92.5	98.0	101.5	103.5	104.0	103.5	101.5	98.0	92.5	86.0	79.0	71.0
12	76.0	84.5	92.5	100.0	105.5	109.5	112.0	113.0	112.0	109.5	105.5	100.0	92.5	84.5	76.0
6	79.5	88.5	97.0	104.5	111.0	115.0	117.0	118.0	117.0	115.0	111.0	104.5	97.0	88.5	79.5
0	81.0	89.0	98.0	106.0	112.0	116.5	119.0	120.0	119.0	116.5	112.0	106.0	98.0	89.0	81.0
6	79.5	88.5	97.0	104.5	111.0	115.0	117.0	118.0	117.0	115.0	111.0	104.5	97.0	88.5	79.5
12	76.0	84.5	92.5	100.0	105.5	109.5	112.0	113.0	112.0	109.5	105.5	100.0	92.5	84.5	76.0
18	71.0	79.0	86.0	92.5	98.0	101.5	103.5	104.0	103.5	101.5	98.0	92.5	86.0	79.0	71.0
24	66.0	72.0	78.0	84.0	88.5	92.0	93.5	94.5	93.5	92.0	88.5	84.0	78.0	72.0	66.0
30	59.5	64.5	70.0	75.0	79.0	82.0	83.5	84.0	83.5	82.0	79.0	75.0	70.0	64.5	59.5

1'111.00
 1'242.50
 1'367.00
 1'473.00
 1'543.00
 1'563.00
 1'543.00
 1'473.00
 1'367.00
 1'242.50
 1'111.00

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 186.0 Watt
 Lux 5'030 lx

x = 0.234
 y = 0.168
 z = 0.597
 Summe 15'036.00
PAR pro Watt 80.84 49.04
PAR im Mittel 91.13 103.68

