

Giesemann Futura

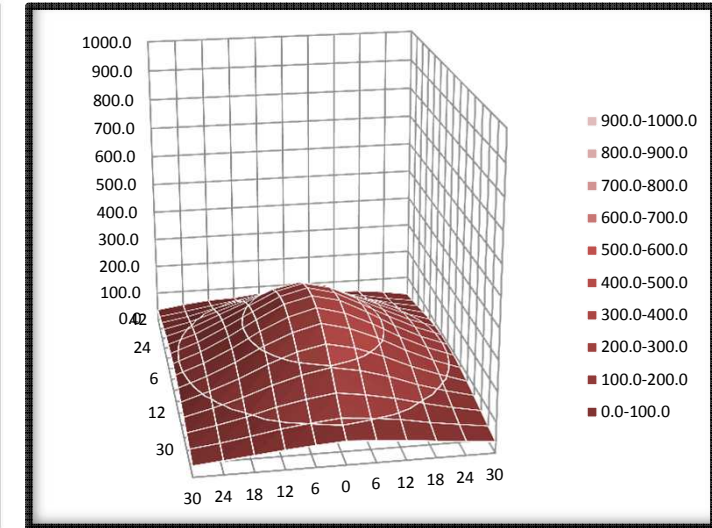
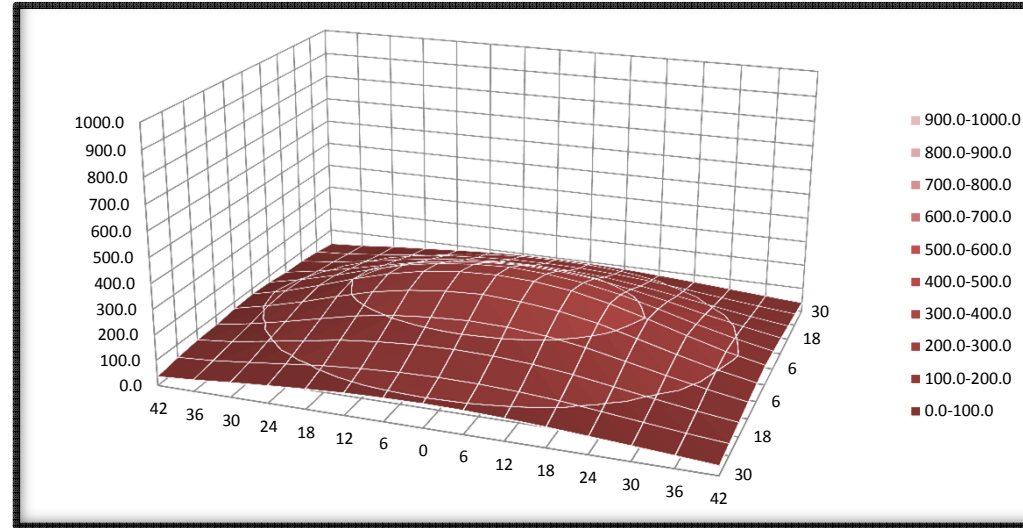
H = 30cm

Modul: Giesemann Futura
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: 195 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	35.0	44.5	57.0	68.0	78.0	86.0	90.5	92.5	91.0	85.5	77.5	67.5	57.5	47.0	36.0
24	49.0	58.0	73.0	89.0	105.0	116.0	124.0	127.0	125.0	118.5	107.5	91.0	74.5	58.5	45.0
18	59.0	73.0	96.0	119.5	144.0	159.5	169.5	172.5	169.0	159.0	142.0	118.5	95.0	73.0	54.0
12	62.5	87.0	117.0	150.0	182.0	204.5	218.0	225.0	221.0	207.0	183.5	152.0	120.0	89.5	63.5
6	72.5	104.0	141.0	184.0	222.5	249.0	265.0	272.0	263.0	246.0	218.0	179.0	138.5	101.0	71.0
0	77.5	110.5	153.5	200.5	241.5	271.5	289.0	295.0	288.5	270.5	238.0	197.0	152.0	110.0	77.0
6	73.0	104.0	142.0	184.0	223.5	250.0	265.5	273.0	264.0	247.0	218.0	180.0	138.5	102.0	71.0
12	62.0	87.0	117.0	150.5	183.0	205.0	219.0	226.0	221.0	208.5	183.5	153.5	120.0	90.5	64.0
18	58.5	74.0	96.0	121.0	144.0	159.5	170.5	173.0	169.5	160.0	142.0	119.0	96.0	73.0	54.0
24	48.5	57.5	73.0	90.0	105.5	117.0	125.5	128.0	126.0	119.0	108.0	91.5	75.0	59.5	46.0
30	34.5	44.0	57.0	67.0	77.0	86.5	91.5	93.0	91.5	86.0	77.5	68.0	57.0	46.5	36.5

1'013.50
 1'361.00
 1'803.50
 2'282.50
 2'726.50
 2'972.00
 2'735.50
 2'290.50
 1'810.00
 1'370.00
 1'013.50

Beleuchtungsstärke 100 %
Leistungsaufnahme gemessen 178.0 Watt
Lux 13'000 lx
 x = 0.224
 y = 0.192
 z = 0.583
Summe 21'378.50 14'713.50
PAR pro Watt 120.10 82.66
PAR im Mittel 129.57 181.65



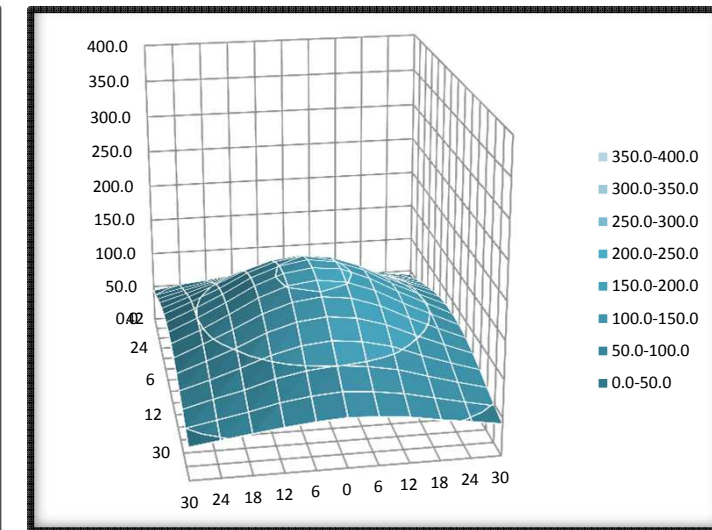
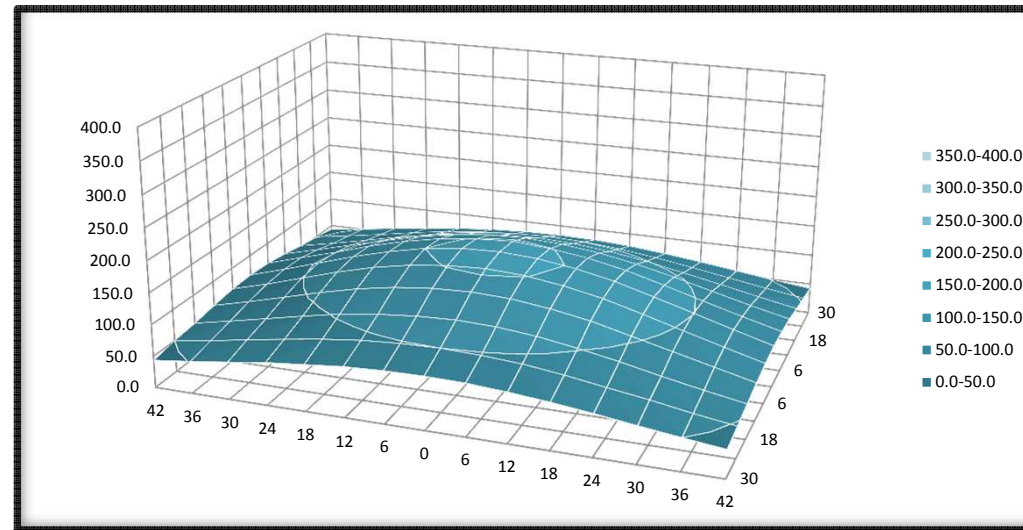
H = 45cm

Modul: Giesemann Futura
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: 195 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	43.5	50.5	58.5	67.0	73.0	79.0	82.0	83.0	82.0	78.0	72.5	65.5	57.5	50.0	43.0
24	50.0	58.5	69.0	78.5	87.5	94.5	98.5	100.0	98.0	94.0	86.5	77.0	68.0	57.5	48.5
18	54.0	66.0	78.5	91.0	103.0	111.0	116.5	119.0	117.0	111.0	101.5	90.0	77.0	65.0	54.0
12	60.0	74.5	90.0	106.0	120.0	130.5	137.0	139.5	137.0	129.5	119.0	104.0	89.0	74.0	59.0
6	65.0	81.0	99.0	117.0	132.5	144.0	151.0	154.0	151.0	142.5	130.5	114.0	96.5	79.5	63.0
0	66.5	84.0	102.5	121.0	137.0	150.0	157.5	159.5	156.0	147.5	135.0	118.0	100.5	82.5	65.5
6	65.0	82.5	99.0	117.5	133.0	145.0	152.0	155.5	151.0	143.0	130.5	114.0	96.5	79.5	63.5
12	60.0	75.0	90.5	106.0	120.0	131.0	138.0	140.0	137.0	130.0	119.0	105.0	89.5	74.0	60.0
18	53.5	65.5	78.0	91.5	103.0	111.0	117.0	119.5	117.0	111.0	102.0	90.0	78.0	65.5	53.5
24	49.0	58.0	68.0	78.5	88.0	94.5	99.0	101.0	99.0	94.0	86.5	77.0	67.0	57.0	48.0
30	43.0	50.0	58.5	66.0	73.0	78.5	81.5	82.5	81.5	78.0	72.0	65.0	57.0	49.0	42.0

985.00
 1'166.00
 1'354.50
 1'569.00
 1'720.50
 1'783.00
 1'727.50
 1'575.00
 1'356.00
 1'164.50
 977.50

Beleuchtungsstärke 100 %
Leistungsaufnahme gemessen 178.0 Watt
Lux 13'000 lx
 x = 0.224
 y = 0.192
 z = 0.583
Summe 15'378.50 9'562.00
PAR pro Watt 86.40 53.72
PAR im Mittel 93.20 118.05



H = 60 cm

Modul: Giesemann Futura
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: 195 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	41.0	46.0	51.0	56.0	60.0	63.5	65.5	67.0	66.0	63.5	60.0	55.5	50.5	45.5	40.5
24	44.5	51.0	56.0	62.5	67.5	72.0	74.0	75.0	74.0	71.5	67.0	62.0	56.0	50.0	44.0
18	48.0	55.5	62.5	69.0	75.0	79.5	82.0	83.0	82.0	79.0	74.0	68.5	61.5	54.5	48.0
12	52.5	61.0	69.0	77.5	84.0	89.5	92.0	93.0	92.0	88.5	82.5	76.0	68.0	59.5	51.5
6	55.0	64.0	72.5	81.0	88.0	93.5	97.0	98.5	97.0	93.0	85.0	79.5	70.5	62.5	53.5
0	55.5	64.5	73.5	82.0	89.5	95.0	98.5	100.0	98.0	94.0	88.0	80.0	71.5	63.5	54.0
6	55.0	64.0	73.0	81.5	88.5	94.0	97.5	98.5	97.0	93.0	85.0	79.5	71.0	62.5	53.5
12	53.5	62.0	70.0	77.5	84.5	90.0	93.0	93.5	92.5	89.0	83.0	76.0	68.0	60.0	52.0
18	47.5	54.5	62.0	69.0	75.0	80.0	83.0	83.5	82.5	80.0	75.0	68.5	61.5	54.5	47.5
24	44.5	50.0	55.0	62.0	67.5	71.0	73.5	74.5	73.0	71.0	66.5	61.0	55.5	49.5	44.0
30	40.0	45.0	50.5	55.5	60.0	63.5	66.0	66.0	65.0	63.0	59.5	55.0	50.0	45.0	40.0

831.50
 927.00
 1'022.00
 1'136.50
 1'190.50
 1'207.50
 1'193.50
 1'144.50
 1'024.00
 918.50
 824.00

Beleuchtungsstärke 100 %
Leistungsaufnahme gemessen 178.0 Watt
Lux 6'980 lx
 x = 0.223
 y = 0.189
 z = 0.588
Summe 11'419.50 6'640.00
PAR pro Watt 64.15 37.30
PAR im Mittel 69.21 81.98

