

Giesemann Vervve

H = 30cm

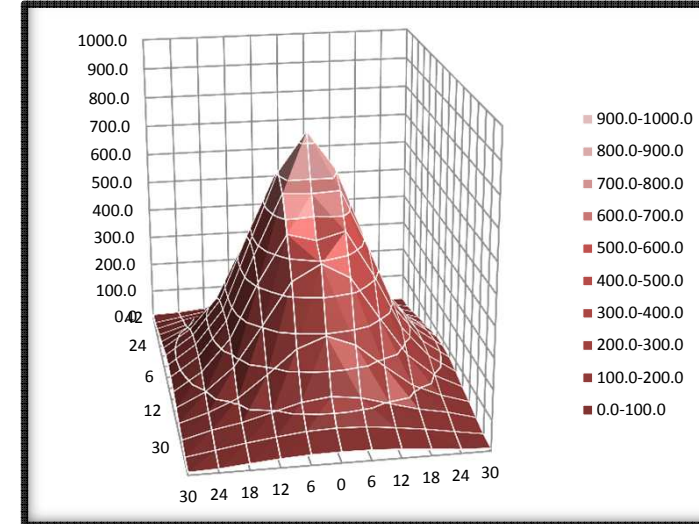
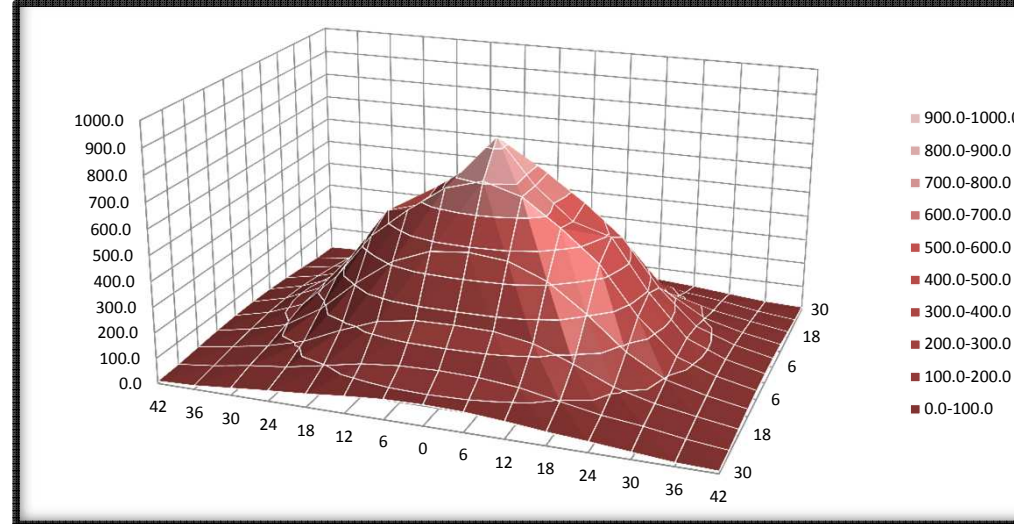
Modul: Giesemann Vervve
 Raumtemperatur: 19 Grad Celsius
 Messinstrument: kalibriertes Spektrometer
 Abstand von Sensor bis uk Modul: 30 cm
 Raum: Abgedunkelt
 Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
 Leistungsangabe Hersteller: 160/180 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	9.0	14.0	27.0	40.5	51.5	66.0	77.5	81.0	77.5	66.0	51.5	40.5	27.0	14.0	9.0
24	12.5	29.0	52.5	69.5	97.5	127.0	142.0	146.0	142.0	127.0	97.5	69.5	52.5	29.0	12.5
18	21.0	44.5	70.0	109.5	175.0	231.5	256.5	259.5	256.5	231.5	175.0	109.5	70.0	44.5	21.0
12	29.0	57.0	95.5	181.0	306.0	411.5	469.5	484.0	469.5	411.5	306.0	181.0	95.5	57.0	29.0
6	34.0	67.5	122.0	258.0	442.5	562.5	665.0	708.0	665.0	562.5	442.5	258.0	122.0	67.5	34.0
0	35.5	71.0	134.0	294.0	494.0	537.5	660.0	834.0	660.0	537.5	494.0	294.0	134.0	71.0	35.5
6	34.0	67.5	122.0	258.0	442.5	562.5	665.0	708.0	665.0	562.5	442.5	258.0	122.0	67.5	34.0
12	29.0	57.0	95.5	181.0	306.0	411.5	469.5	484.0	469.5	411.5	306.0	181.0	95.5	57.0	29.0
18	21.0	44.5	70.0	109.5	175.0	231.5	256.5	259.5	256.5	231.5	175.0	109.5	70.0	44.5	21.0
24	12.5	29.0	52.5	69.5	97.5	127.0	142.0	146.0	142.0	127.0	97.5	69.5	52.5	29.0	12.5
30	9.0	14.0	27.0	40.5	51.5	66.0	77.5	81.0	77.5	66.0	51.5	40.5	27.0	14.0	9.0

652.00
 1'206.00 1'018.00
 2'075.50 1'804.50
 3'583.00 3'220.00
 5'011.00 4'564.00
 5'286.00 4'805.00
 5'011.00 4'564.00
 3'583.00 3'220.00
 2'075.50 1'804.50
 1'206.00 1'018.00
 652.00

Beleuchtungsstärke 100 % x = 0.200
 Leistungsaufnahme gemessen 167.0 Watt y = 0.151
 Lux 26'600 lx z = 0.649

Summe 30'341.00 26'018.00
PAR pro Watt 181.68 155.80
PAR im Mittel 183.88 321.21



H = 45cm

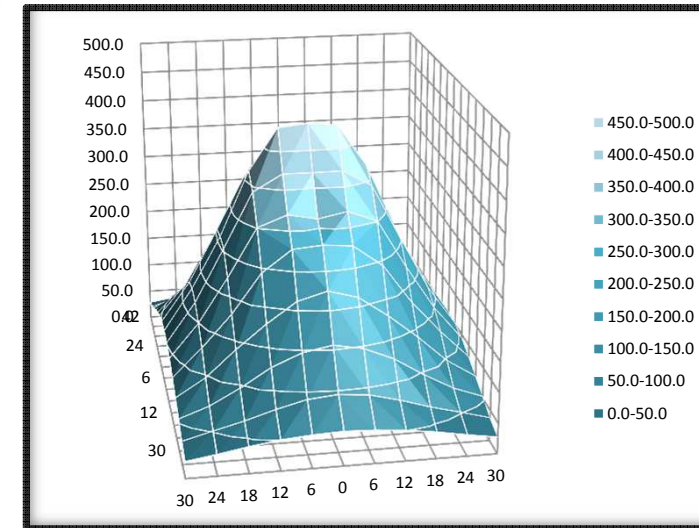
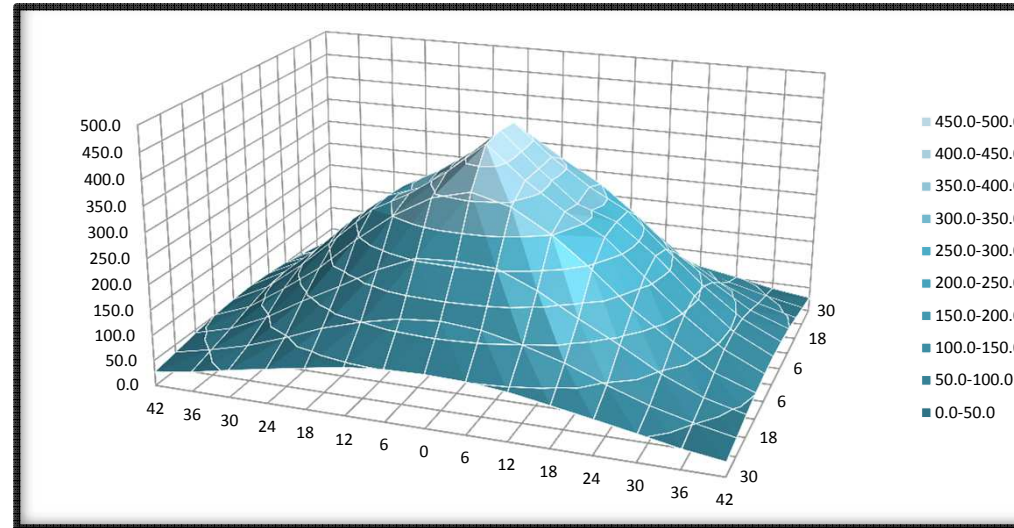
Modul: Giesemann Vervve
 Raumtemperatur: 19 Grad Celsius
 Messinstrument: kalibriertes Spektrometer
 Abstand von Sensor bis uk Modul: 45 cm
 Raum: Abgedunkelt
 Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
 Leistungsangabe Hersteller: 160/180 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	27.5	38.0	53.0	67.0	80.5	93.5	101.0	103.0	101.0	93.5	80.5	67.0	53.0	38.0	27.5
24	35.0	51.0	70.5	97.0	127.0	149.5	166.5	173.0	166.5	149.5	127.0	97.0	70.5	51.0	35.0
18	43.5	63.5	96.5	140.0	179.5	222.0	254.0	258.0	254.0	222.0	179.5	140.0	96.5	63.5	43.5
12	50.5	78.5	126.5	178.5	244.0	301.0	344.0	363.5	344.0	301.0	244.0	178.5	126.5	78.5	50.5
6	54.5	91.0	147.0	212.0	279.0	319.0	370.5	432.0	370.5	319.0	279.0	212.0	147.0	91.0	54.5
0	56.5	95.5	156.0	225.5	283.0	309.5	370.0	437.0	370.0	309.5	283.0	225.5	156.0	95.5	56.5
6	54.5	91.0	147.0	212.0	279.0	319.0	370.5	432.0	370.5	319.0	279.0	212.0	147.0	91.0	54.5
12	50.5	78.5	126.5	178.5	244.0	301.0	344.0	363.5	344.0	301.0	244.0	178.5	126.5	78.5	50.5
18	43.5	63.5	96.5	140.0	179.5	222.0	254.0	258.0	254.0	222.0	179.5	140.0	96.5	63.5	43.5
24	35.0	51.0	70.5	97.0	127.0	149.5	166.5	173.0	166.5	149.5	127.0	97.0	70.5	51.0	35.0
30	27.5	38.0	53.0	67.0	80.5	93.5	101.0	103.0	101.0	93.5	80.5	67.0	53.0	38.0	27.5

1'024.00
 1'566.00 1'253.00
 2'256.00 1'849.00
 3'009.50 2'498.50
 3'378.00 2'793.00
 3'429.00 2'813.00
 3'378.00 2'793.00
 3'009.50 2'498.50
 2'256.00 1'849.00
 1'566.00 1'253.00
 1'024.00

Beleuchtungsstärke 100 % x = 0.198
 Leistungsaufnahme gemessen 167.0 Watt y = 0.147
 Lux 13'875 lx z = 0.655

Summe 25'896.00 19'600.00
PAR pro Watt 155.07 117.37
PAR im Mittel 156.95 241.98



H = 60 cm

Modul: Giesemann Vervve
 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: 160/180 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	38.5	47.5	62.0	77.5	92.5	106.0	116.0	120.5	116.0	106.0	92.5	77.5	62.0	47.5	38.5
24	45.5	62.0	81.5	100.5	121.5	144.0	156.5	158.0	156.5	144.0	121.5	100.5	81.5	62.0	45.5
18	55.0	77.0	98.5	125.0	159.0	184.0	200.5	207.5	200.5	184.0	159.0	125.0	98.5	77.0	55.0
12	64.5	88.5	114.5	153.5	186.0	207.0	233.0	248.0	233.0	207.0	186.0	153.5	114.5	88.5	64.5
6	70.5	96.0	127.0	168.5	189.5	207.5	234.5	246.0	234.5	207.5	189.5	168.5	127.0	96.0	70.5
0	73.0	100.0	132.5	172.5	190.0	206.0	231.0	238.0	231.0	206.0	190.0	172.5	132.5	100.0	73.0
6	70.5	96.0	127.0	168.5	189.5	207.5	234.5	246.0	234.5	207.5	189.5	168.5	127.0	96.0	70.5
12	64.5	88.5	114.5	153.5	186.0	207.0	233.0	248.0	233.0	207.0	186.0	153.5	114.5	88.5	64.5
18	55.0	77.0	98.5	125.0	159.0	184.0	200.5	207.5	200.5	184.0	159.0	125.0	98.5	77.0	55.0
24	45.5	62.0	81.5	100.5	121.5	144.0	156.5	158.0	156.5	144.0	121.5	100.5	81.5	62.0	45.5
30	38.5	47.5	62.0	77.5	92.5	106.0	116.0	120.5	116.0	106.0	92.5	77.5	62.0	47.5	38.5

1'200.50
 1'581.00 1'203.00
 2'005.50 1'544.50
 2'342.00 1'807.00
 2'433.00 1'846.00
 2'448.00 1'837.00
 2'432.00 1'845.00
 2'342.00 1'807.00
 2'005.50 1'544.50
 1'581.00 1'203.00
 1'200.50

Beleuchtungsstärke 100 % x = 0.200
 Leistungsaufnahme gemessen 167.0 Watt y = 0.150
 Lux 7'700 lx z = 0.650

Summe 21'571.00 14'637.00
PAR pro Watt 129.17 87.65
PAR im Mittel 130.73 180.70

