



PPFD TEST REPORT - AS650 LED

POWER:660W  
PF:0.988  
TEMPERATURE LED SHIP:53°C  
TEMPERATURE HEATSINK:47°C



AgriSpes650

PPFD 1.2m X 1.2m 30CM

346.91	572.19	697.95	755.30	791.17	769.61	732.31	642.54	471.35
421.18	760.61	917.56	989.28	1013.8	996.88	944.77	819.45	591.11
489.07	847.33	1017.4	1099.2	1122.4	1103.1	1051.6	916.45	651.97
501.41	867.23	1062.3	1147.0	1170.3	1152.5	1092.1	951.70	696.76
476.44	876.75	1058.4	1149.5	1178.3	1161.4	1096.6	960.07	678.22
503.64	867.07	1049.3	1128.6	1153.4	1138.6	1073.4	953.73	707.47
493.38	834.28	997.51	1074.5	1101.4	1087.5	1028.1	904.26	668.21
459.55	736.93	896.27	957.05	981.53	957.95	931.63	795.80	593.55
343.24	552.58	652.71	676.27	709.93	701.93	671.05	575.55	450.51

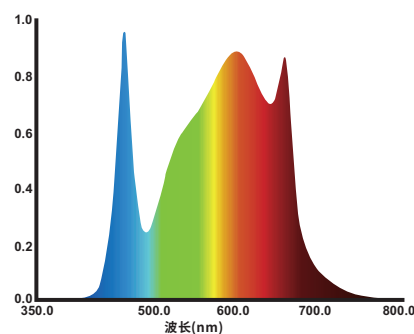
Cover Area: 1.2m X 1.2m  
Height fixture above canopy:30cm

PPFD valu:  
650W 30CM

Average: 841 $\mu$ Mol/m<sup>2</sup>/s  
Maximun: 1178 $\mu$ Mol/m<sup>2</sup>/s  
Minimum: 343 $\mu$ Mol/m<sup>2</sup>/s

Color	Blue	White	Hyper-Red
(nm)	455	3000K 5000K	660

RGB ratio: R=20% G=76.6% B=3.4%





POWER:660W

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PPFD 1.2m X 1.2m 60CM

313.97	393.31	456.93	498.22	515.04	501.69	471.29	406.67	343.42
362.87	479.31	549.83	597.72	618.48	605.57	559.64	491.65	404.41
389.05	527.28	610.80	662.79	686.99	675.93	627.49	553.93	442.44
409.29	554.69	643.56	702.31	720.39	709.42	661.15	581.61	469.92
428.61	562.61	650.17	705.96	729.41	719.60	671.18	591.63	485.08
411.93	544.89	628.10	684.54	705.72	693.52	651.34	574.38	466.65
392.32	506.01	582.16	630.95	653.01	646.93	603.50	538.15	429.50
353.46	445.49	515.32	558.77	580.47	569.80	539.20	464.53	375.84
283.81	351.90	397.64	428.83	449.86	446.33	419.63	380.96	320.34

Cover Area: 1.2m X 1.2m

Height fixture above canopy:60cm

PPFD valu:

650W 60CM

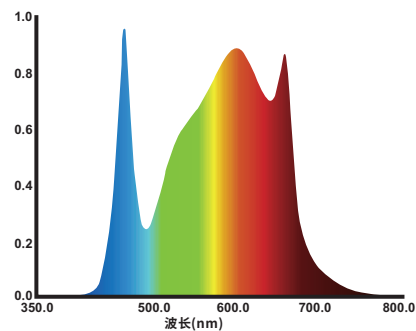
Average: 530 $\mu$ Mol/m<sup>2</sup>/s

Maximun: 729 $\mu$ Mol/m<sup>2</sup>/s

Minimum: 283 $\mu$ Mol/m<sup>2</sup>/s

Color	Blue	White	Hyper-Red
(nm)	455	3000K 5000K	660

RGB ratio: R=20% G=76.6% B=3.4%





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PPFD 1.2m X 1.2m 90CM

247.59	294.88	324.39	342.88	352.00	341.42	329.10	290.77	259.00
279.28	334.29	371.65	394.62	403.05	394.94	371.57	334.77	285.17
305.53	365.31	406.09	430.83	441.66	431.37	405.11	367.42	315.54
325.31	386.57	428.00	455.51	464.35	455.84	428.28	385.89	328.18
327.72	389.95	436.16	461.42	470.66	461.74	436.99	392.51	336.40
318.71	383.02	423.40	443.05	456.45	447.10	422.96	383.08	327.66
300.74	361.56	399.02	422.21	430.31	421.18	398.95	359.56	312.38
281.54	328.05	363.08	382.78	391.17	385.05	366.58	328.56	280.29
249.79	278.39	309.26	317.61	340.19	328.93	319.14	297.05	250.19

Cover Area: 1.2m X 1.2m

Height fixture above canopy:90cm

PPFD valu:

650W 90CM

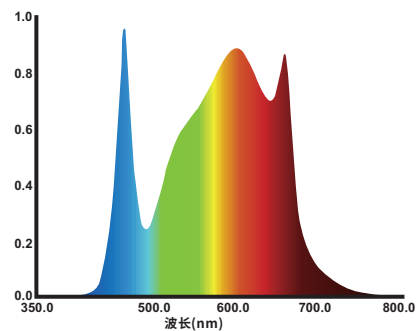
Average: 365 $\mu$ Mol/m<sup>2</sup>/s

Maximun: 470 $\mu$ Mol/m<sup>2</sup>/s

Minimum: 247 $\mu$ Mol/m<sup>2</sup>/s

Color	Blue	White	Hyper-Red
(nm)	455	3000K 5000K	660

RGB ratio: R=20% G=76.6% B=3.4%





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AgriSpes650

PPFD 1.2m X 1.2m 150CM

153.17	169.36	176.45	182.24	186.41	181.81	177.11	168.00	157.34
163.03	181.64	191.98	198.85	200.11	199.25	192.83	182.50	168.00
169.82	190.74	201.06	208.30	211.37	209.13	202.16	190.97	177.99
178.12	198.16	209.27	216.77	218.94	217.10	210.93	199.73	184.26
184.15	201.65	213.38	220.69	222.95	221.86	214.86	204.51	188.83
182.32	197.92	208.36	214.47	217.69	215.90	209.93	200.05	186.00
176.74	193.13	202.91	209.08	210.42	210.52	203.99	204.17	182.59
172.04	187.75	197.62	203.33	203.68	201.74	194.22	186.60	175.10
162.01	175.56	179.89	182.55	183.92	183.32	184.90	178.49	167.12

Cover Area: 1.2m X 1.2m

Height fixture above canopy:150cm

PPFD valu:

650W 150CM

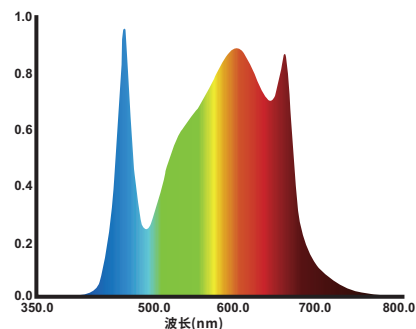
Average: 193 $\mu$ Mol/m<sup>2</sup>/s

Maximun: 222 $\mu$ Mol/m<sup>2</sup>/s

Minimum: 153 $\mu$ Mol/m<sup>2</sup>/s

Color	Blue	White	Hyper-Red
(nm)	455	3000K 5000K	660

RGB ratio: R=20% G=76.6% B=3.4%





POWER:660W  
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AgriSpes650

PPFD 1.2m X 1.2m 200CM

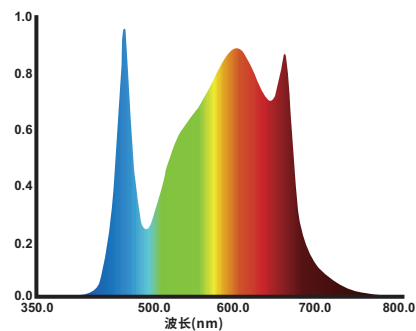
110.77	116.84	122.02	123.72	124.72	125.81	124.66	120.18	118.55
110.67	121.03	127.14	130.44	132.36	132.05	130.40	127.22	122.18
116.87	126.38	132.04	135.82	137.86	138.13	136.18	132.52	127.46
121.04	129.81	135.84	140.09	142.02	141.92	140.14	136.72	130.90
122.97	132.30	138.11	142.31	144.34	144.66	142.37	138.62	132.75
121.48	131.00	135.51	139.23	141.59	140.69	139.34	136.12	131.18
120.98	128.09	134.52	137.38	139.46	140.00	137.40	134.27	129.19
117.65	125.58	130.31	133.70	135.21	133.89	133.06	129.41	126.39
115.90	121.42	122.02	122.60	126.35	127.70	127.80	126.03	121.46

Cover Area: 1.2m X 1.2m  
 Height fixture above canopy:200cm

PPFD valu:  
 650W 200CM  
 Average: 130 $\mu$ Mol/m<sup>2</sup>/s  
 Maximun: 144 $\mu$ Mol/m<sup>2</sup>/s  
 Minimum: 110 $\mu$ Mol/m<sup>2</sup>/s

Color	Blue	White	Hyper-Red
(nm)	455	3000K 5000K	660

RGB ratio: R=20% G=76.6% B=3.4%



Contact

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