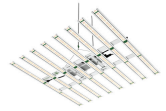


DesignLights Consortium



Model Number	FLL-7801
Product Name	Full Spectrum High PPE 700W LED grow light
Product ID	H-GHDL00
QPL	Horticultural
Manufacturer	FloraFlex Corp.
Brand Name	FloraFlex
DLC Family Code	PPPUDO
Listing Status	Listed
Date Qualified	2024-06-27

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-GHDL00
Manufacturer	FloraFlex Corp.
Brand	FloraFlex
Product Name	Full Spectrum High PPE 700W LED grow light
Model Number	FLL-7801
Technical Requirements Version	3.0
DLC Family Code	PPPUDO
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	35 °C
Width	40 in
Height	0.02 in
Length	39.6 in
Actively Cooling Presence	No

PRODUCT CATEGORIZATION VIEW DETAILS

Controlled Environment	Indoor (Stacked), Greenhouse
Lighting Scheme (Position)	Top light, Intra-canopy
Lighting Scheme (Use Case)	Sole-Source, Supplemental
Category	Horticultural Lighting Fixture

CONTROL FEATURES VIEW DETAILS

Spectrally Tunable	No
Dimmable	Yes
Dimming and Control Method to the Product	0-10V IEC60929 Annex E
Integral Control Capability	Manual Dimming

Connector or Transmission Hardware	RJ-45
Fan Presence	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	2.7 $\mu\text{mol}/\text{J}$
Reported Photosynthetic Photon Flux (400-700nm)	1974 $\mu\text{mol}/\text{s}$
Reported Minimum Photosynthetic Photon Flux	197.4 $\mu\text{mol}/\text{s}$
Reported Default Photosynthetic Photon Flux	1974 $\mu\text{mol}/\text{s}$
Reported Photon Flux Blue (400-500nm)	361 $\mu\text{mol}/\text{s}$
Reported Photon Flux Green (500-600nm)	800 $\mu\text{mol}/\text{s}$
Reported Photon Flux Red (600-700nm)	814 $\mu\text{mol}/\text{s}$
Reported Photon Flux Far Red (700-800nm)	50 $\mu\text{mol}/\text{s}$

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	700 W
Reported Default Input Wattage	700 W
Reported Minimum Input Wattage	70 W
Reported Power Factor	0.972
Voltage Range	120-277
Reported Total Harmonic Distortion	5.5 %

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy (400-700nm)	2.7 $\mu\text{mol}/\text{J}$
Tested Photosynthetic Photon Flux (400-700nm)	1974 $\mu\text{mol}/\text{s}$
Tested Photon Flux Blue (400-500nm)	361 $\mu\text{mol}/\text{s}$
Tested Photon Flux Green (500-600nm)	800 $\mu\text{mol}/\text{s}$
Tested Photon Flux Red (600-700nm)	814 $\mu\text{mol}/\text{s}$
Tested Photon Flux Far Red (700-800nm)	50 $\mu\text{mol}/\text{s}$
Tested Voltage for Minimum Efficacy	240

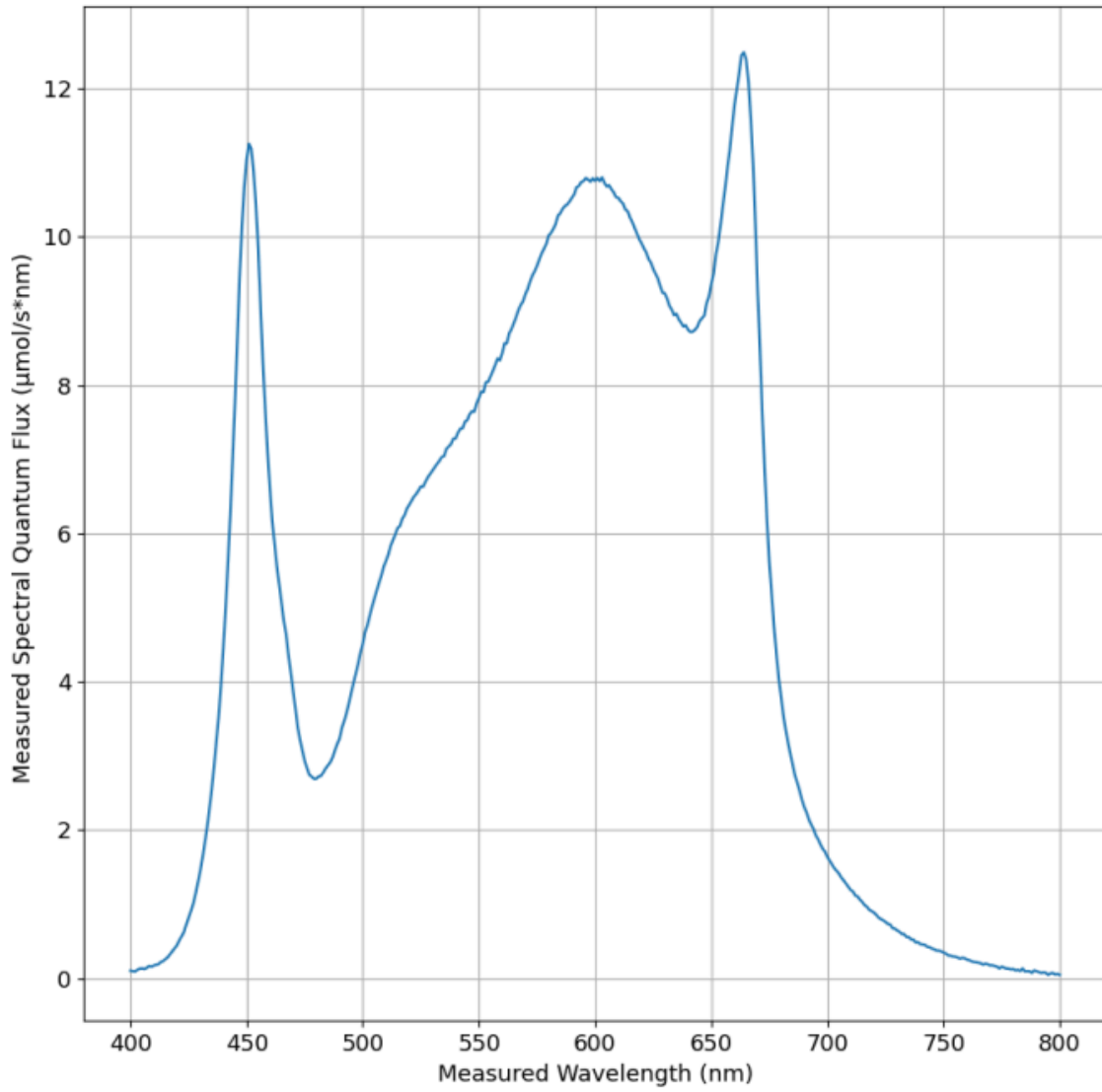
TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	731 W
Tested Power Factor	0.972
Tested Total Harmonic Distortion	5.5 %

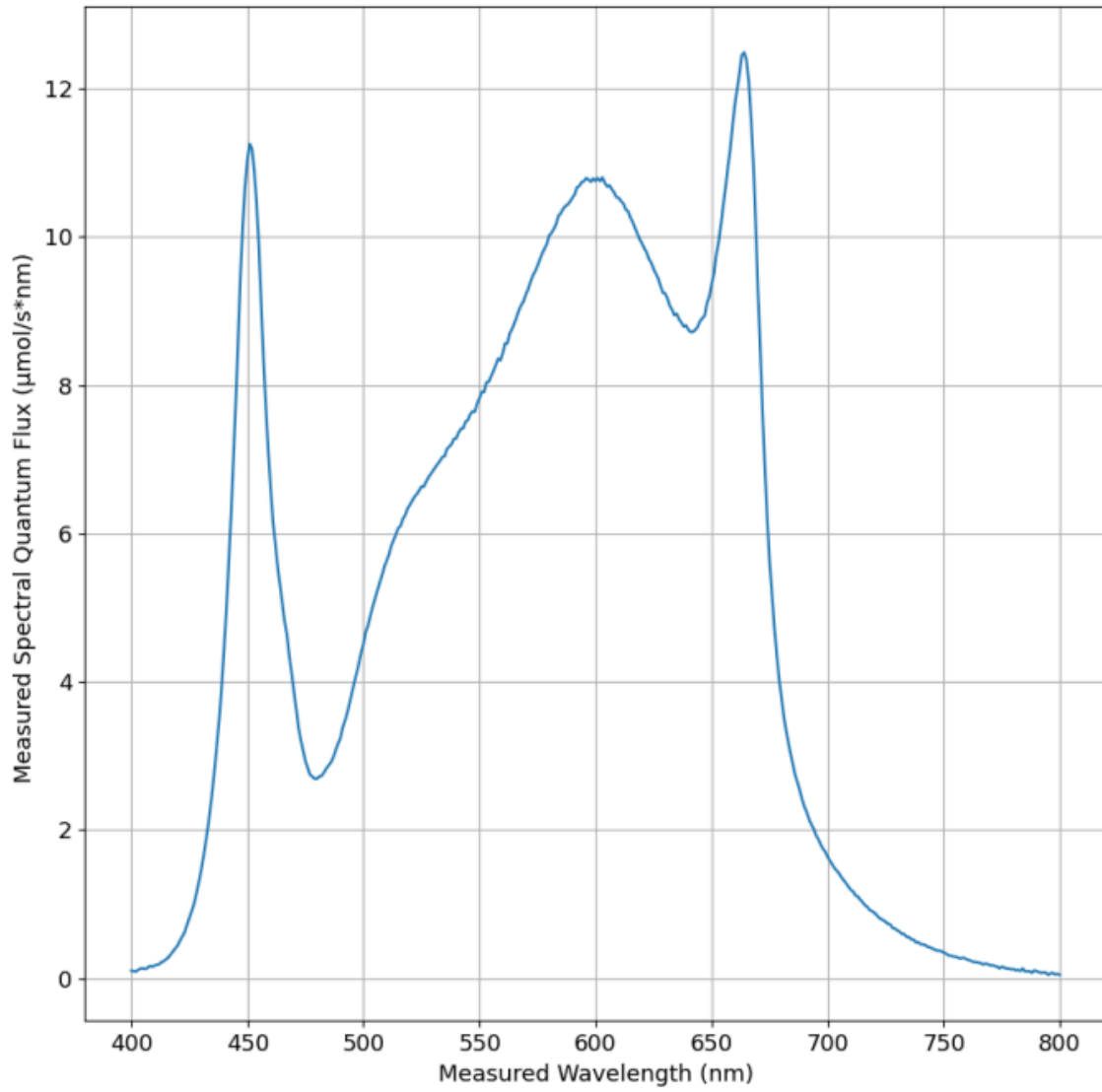
SQD/PPID VIEW DETAILS

SQD
Click the
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Spectral Quantum Distribution

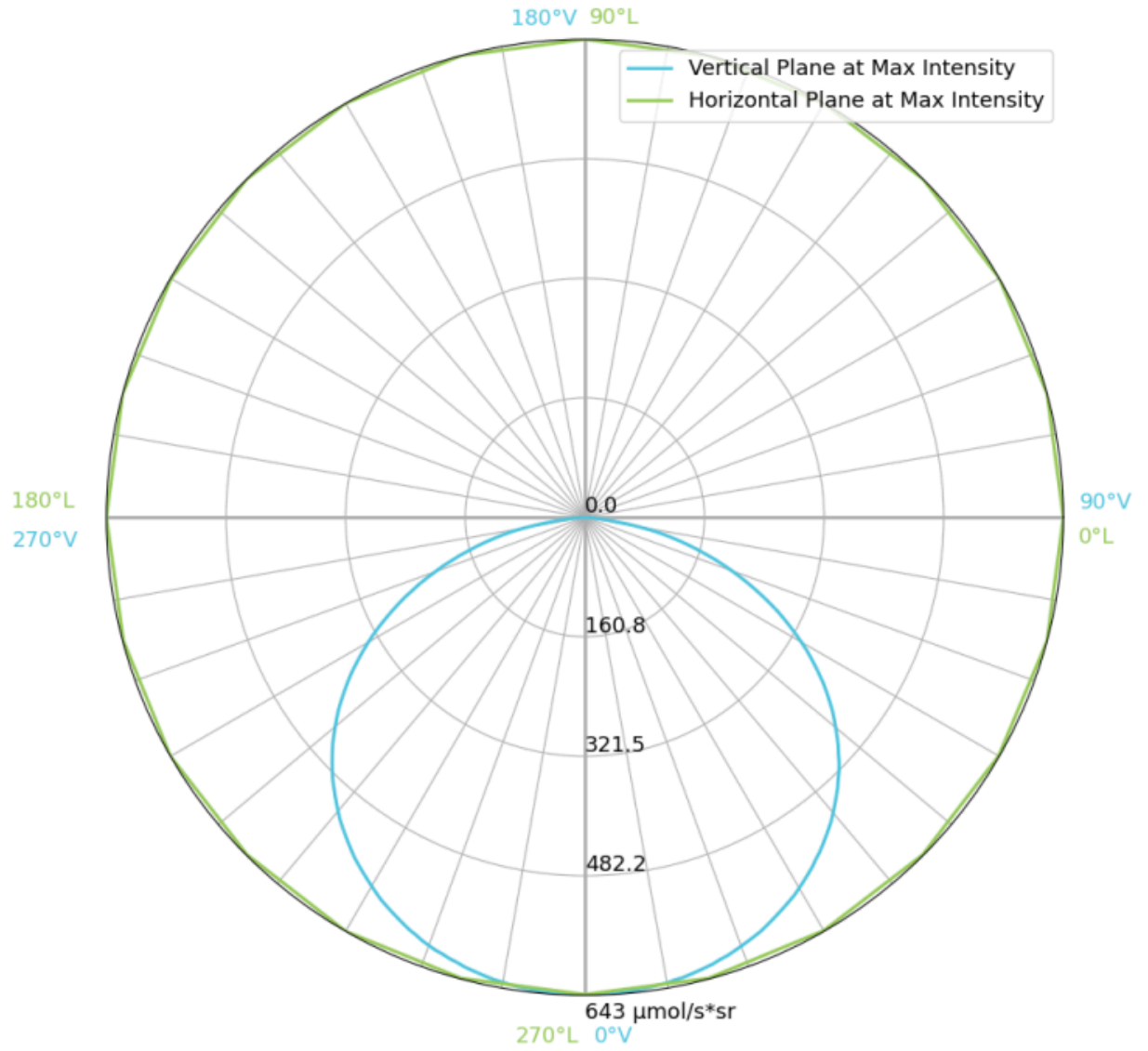


Spectral Quantum Distribution

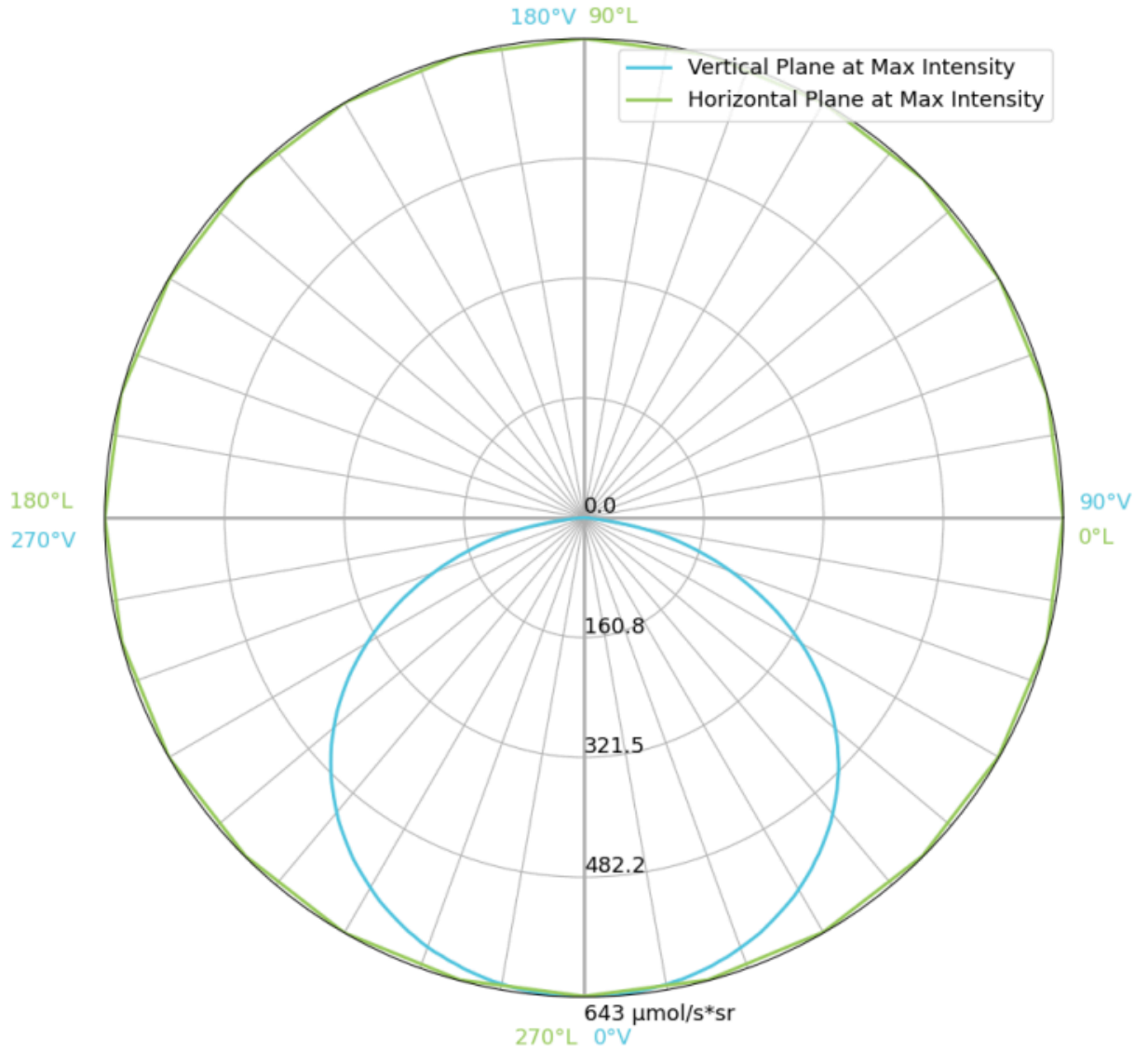


PPID
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Photosynthetic Photon Intensity Distribution



Photosynthetic Photon Intensity Distribution



VERSION HISTORY VIEW DETAILS

2024-06-27	Listed	3
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