

DesignLights Consortium



Model Number	GMLL640W1I650H9
Product Name	MASTER 6V
Product ID	H-M1H34K
QPL	Horticultural
Manufacturer	GML Solutions Ltd.
Brand Name	Grand Master LEDs
DLC Family Code	NNNPHO
Listing Status	Listed
Date Qualified	2022-07-19

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Horticultural
Product ID	H-M1H34K
Manufacturer	GML Solutions Ltd.
Brand	Grand Master LEDs
Product Name	MASTER 6V
Model Number	GMLL640W1I650H9
Technical Requirements Version	3.0
DLC Family Code	NNNPHO
Parent	Yes
Input Power Type	AC
Fixture Maximum Ambient Temp	40 °C
Width	43.86 in
Height	4 in
Length	44.4 in
Actively Cooling Presence	No

PRODUCT CATEGORIZATION VIEW DETAILS

Controlled Environment	Indoor (Non-stacked), Indoor (Stacked)
Lighting Scheme (Position)	Top light
Lighting Scheme (Use Case)	Sole-Source
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	Dim to Off, Manual Dimming
Connector or Transmission Hardware	RJ-14
Fan Presence	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Photosynthetic Photon Efficacy (400-700nm)	2.71 $\mu\text{mol/J}$
Reported Photosynthetic Photon Flux (400-700nm)	1815 $\mu\text{mol/s}$
Reported Photon Flux Blue (400-500nm)	502 $\mu\text{mol/s}$
Reported Photon Flux Green (500-600nm)	835 $\mu\text{mol/s}$
Reported Photon Flux Red (600-700nm)	478 $\mu\text{mol/s}$
Reported Photon Flux Far Red (700-800nm)	30 $\mu\text{mol/s}$

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	671 W
Reported Default Input Wattage	671 W
Reported Minimum Input Wattage	0 W
Reported Power Factor	0.996
Voltage Range	100-277 V
Reported Total Harmonic Distortion	7 %

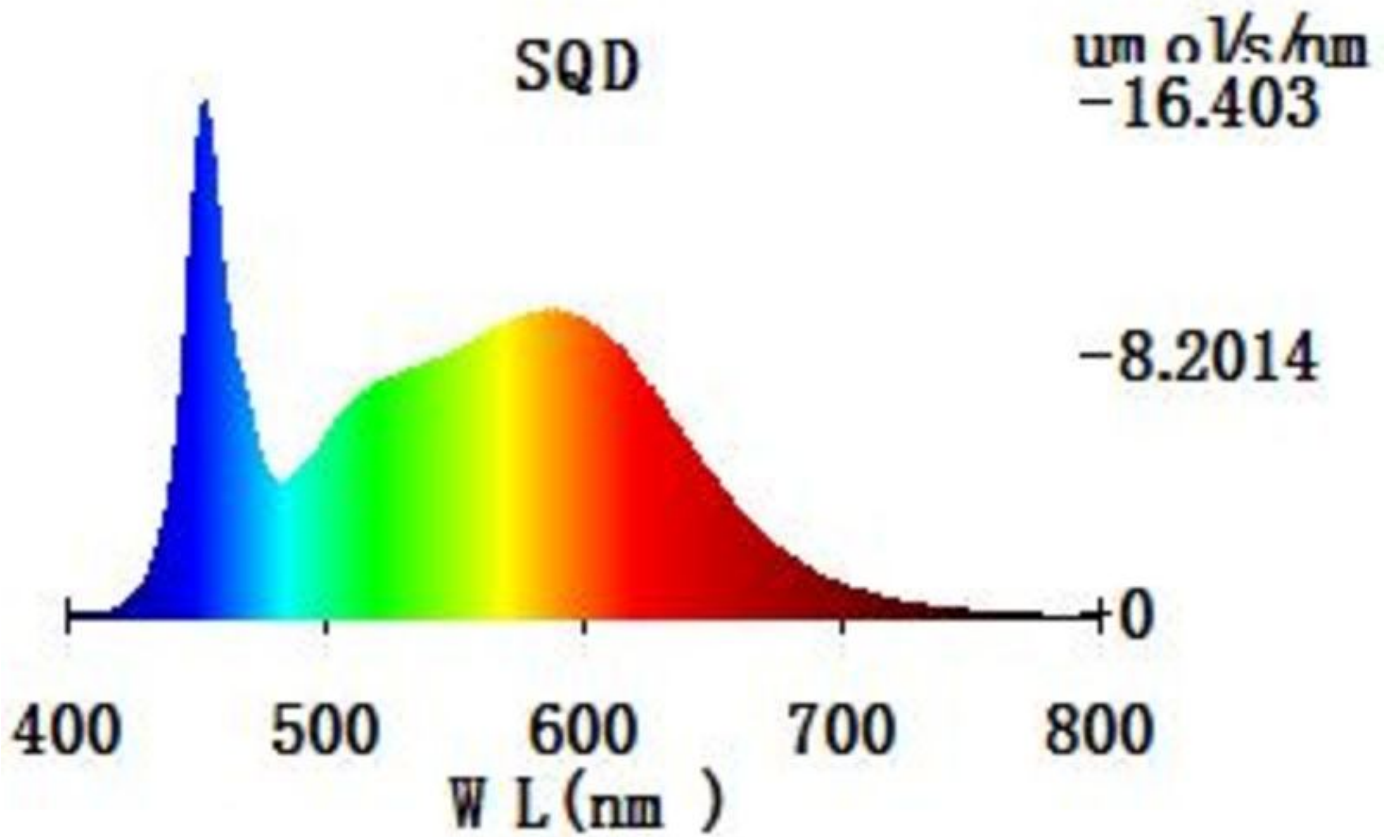
TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Photosynthetic Photon Efficacy (400-700nm)	2.71 $\mu\text{mol/J}$
Tested Photosynthetic Photon Flux (400-700nm)	1815 $\mu\text{mol/s}$
Tested Photon Flux Blue (400-500nm)	502 $\mu\text{mol/s}$
Tested Photon Flux Green (500-600nm)	835 $\mu\text{mol/s}$
Tested Photon Flux Red (600-700nm)	478 $\mu\text{mol/s}$
Tested Photon Flux Far Red (700-800nm)	30 $\mu\text{mol/s}$
Tested Voltage for Minimum Efficacy	120

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

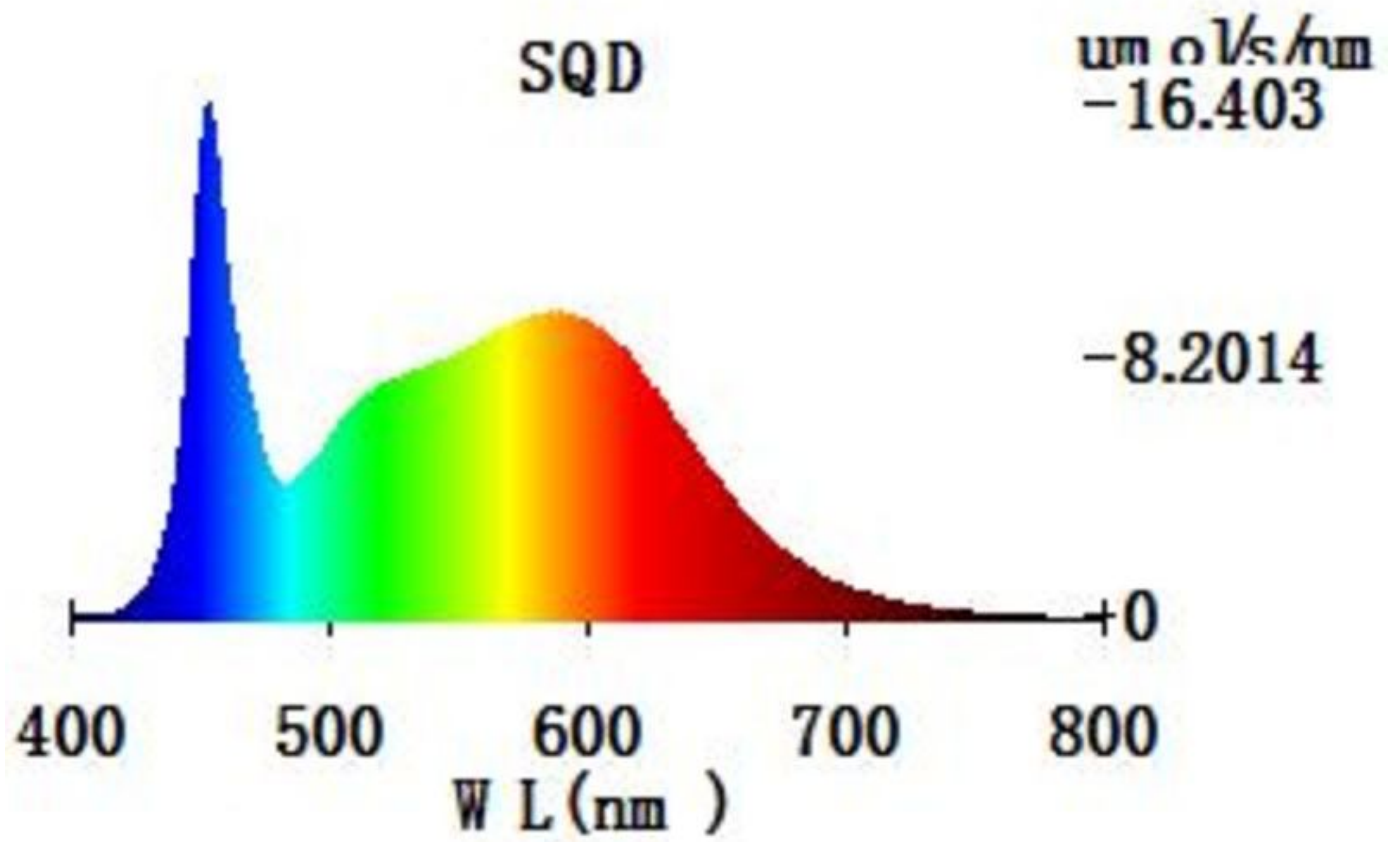
Tested Input Wattage	670.8 W
Tested Power Factor	0.963
Tested Total Harmonic Distortion	8.1 %

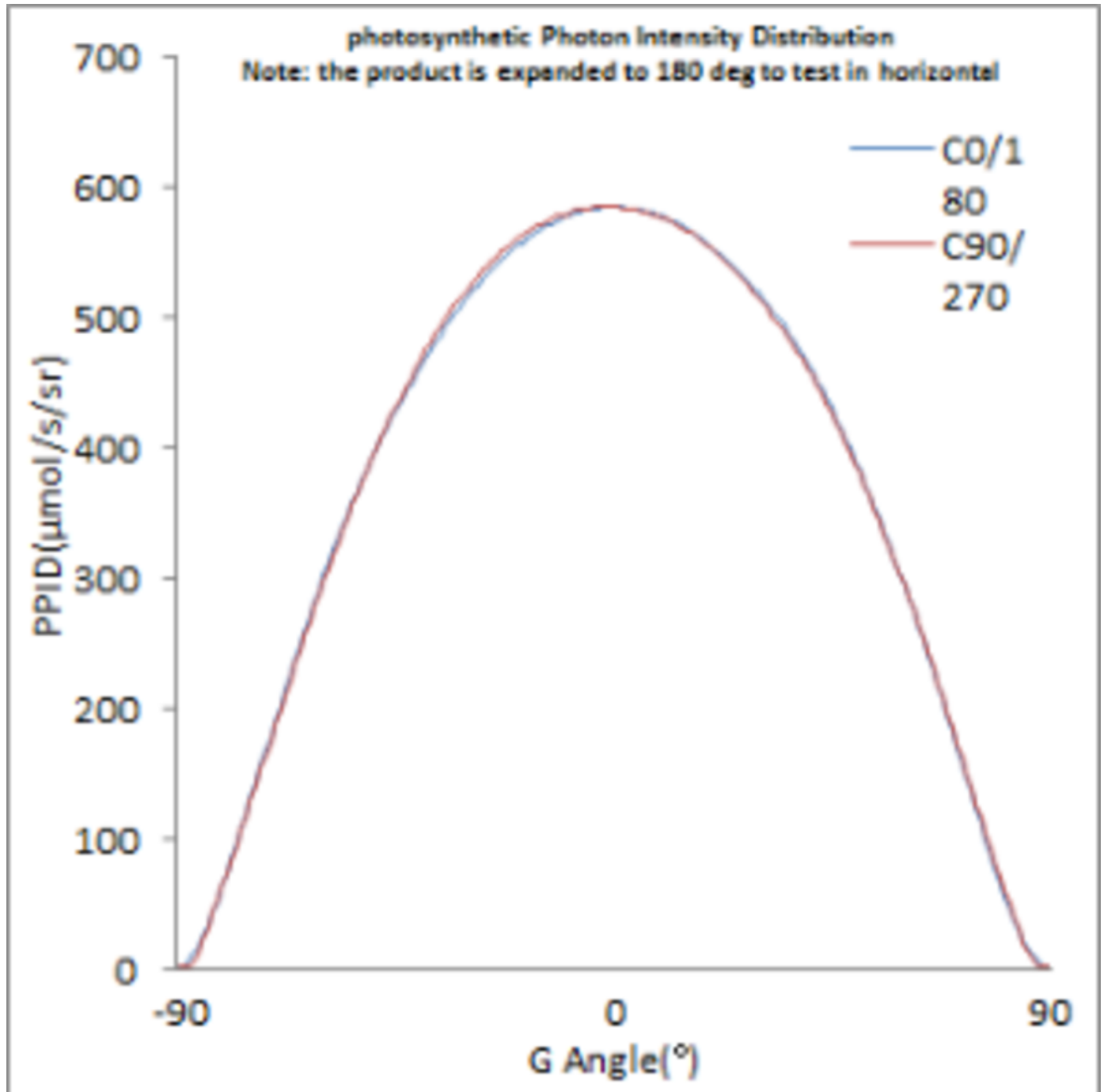
SQD/PPID VIEW DETAILS

**SQD**

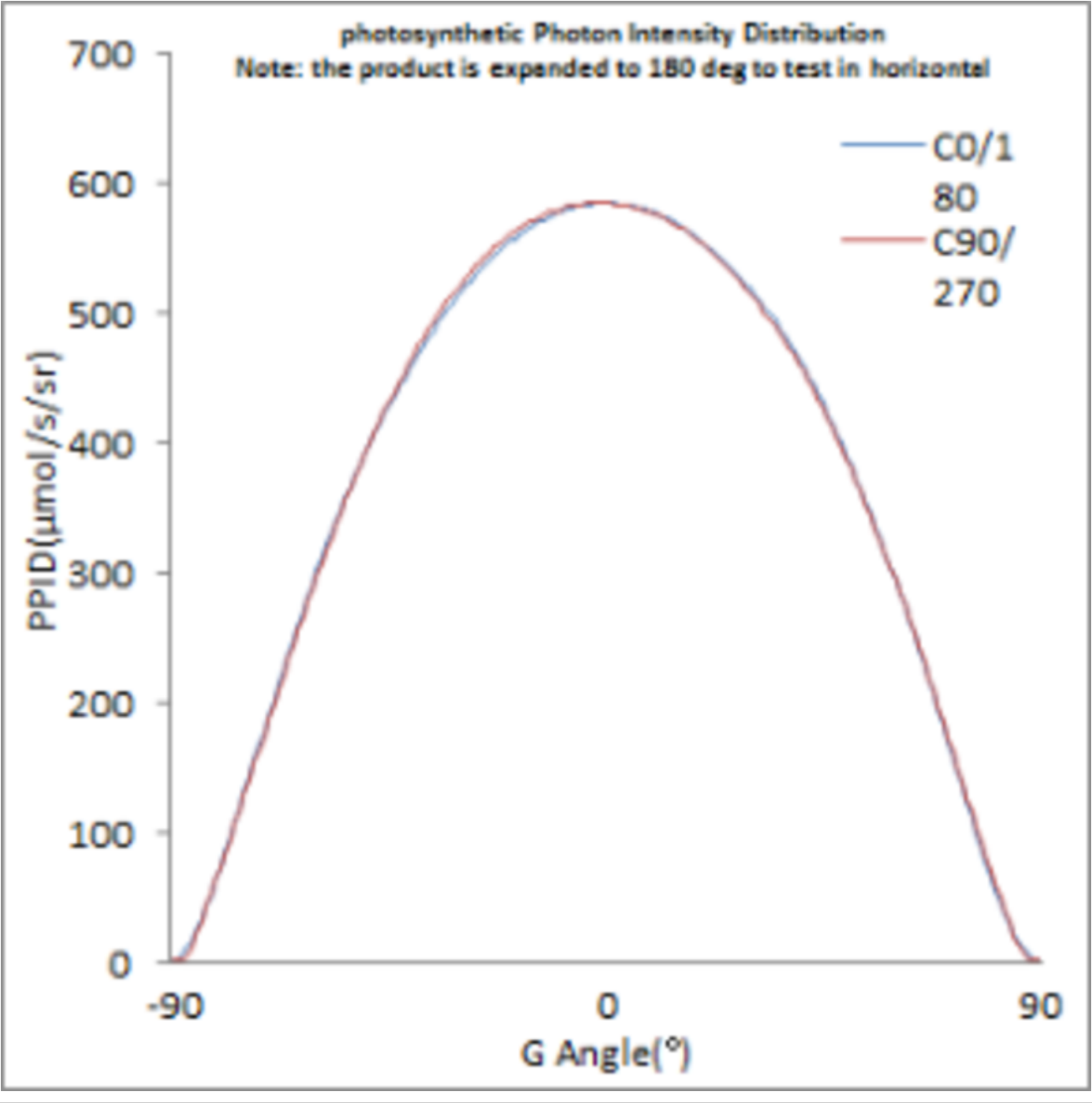
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PPID
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VERSION HISTORY VIEW DETAILS

2024-02-26	Listed	3
2022-07-19	Listed	2.1