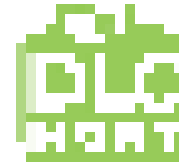


# DesignLights Consortium



|                 |  |
|-----------------|--|
| 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 | <a href="#">PPPUDO</a>                     |
| 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 $\mu\text{mol/J}$   |
| Reported Photosynthetic Photon Flux (400-700nm)     | 1974 $\mu\text{mol/s}$  |
| Reported Minimum Photosynthetic Photon Flux         | 197.4 $\mu\text{mol/s}$ |
| Reported Default Photosynthetic Photon Flux         | 1974 $\mu\text{mol/s}$  |
| Reported Photon Flux Blue (400-500nm)               | 361 $\mu\text{mol/s}$   |
| Reported Photon Flux Green (500-600nm)              | 800 $\mu\text{mol/s}$   |
| Reported Photon Flux Red (600-700nm)                | 814 $\mu\text{mol/s}$   |
| Reported Photon Flux Far Red (700-800nm)            | 50 $\mu\text{mol/s}$    |

### 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

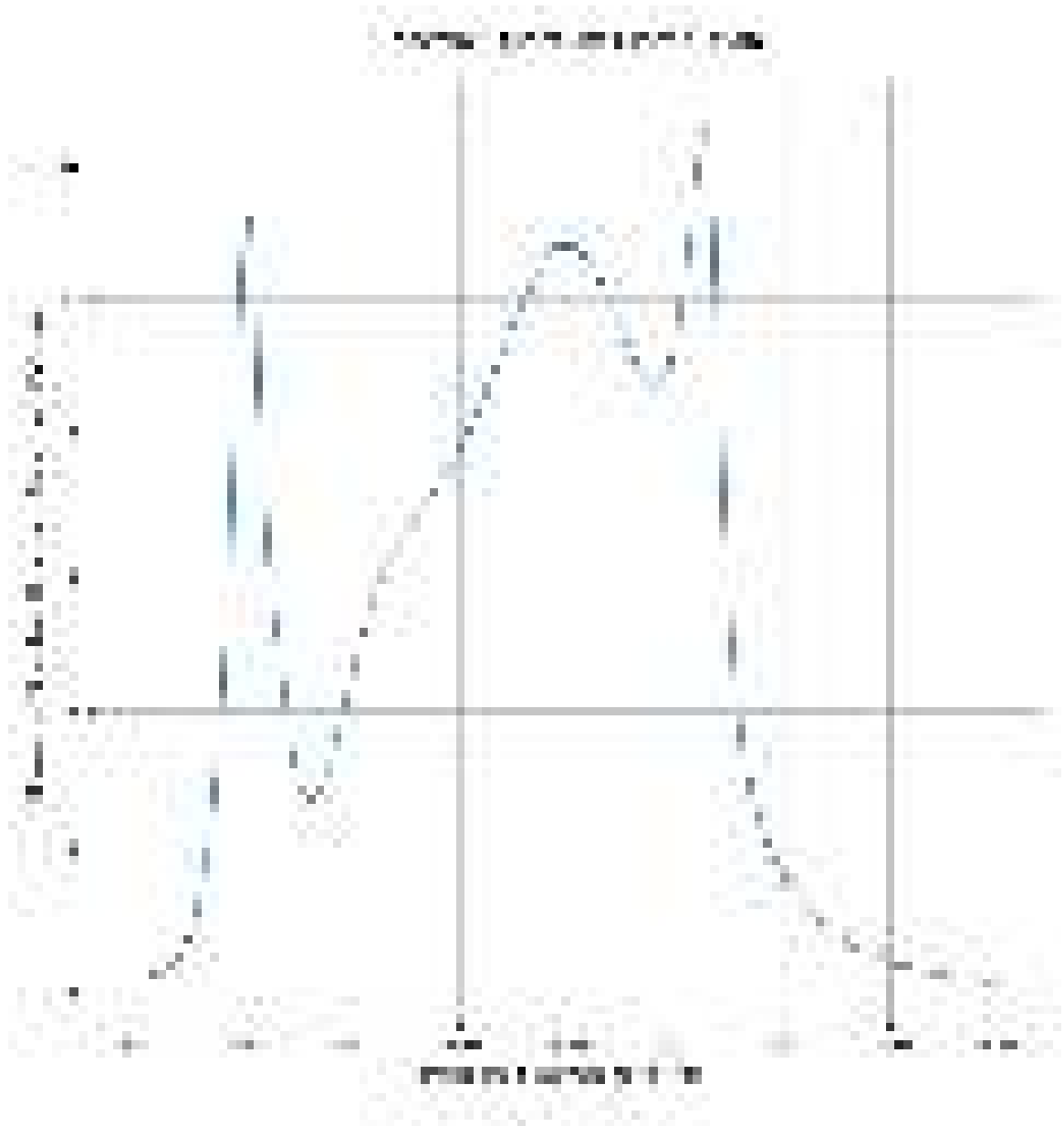
|   |                        |
|---|------------------------|
| Tested Photosynthetic Photon Efficacy (400-700nm) | 2.7 $\mu\text{mol/J}$  |
| Tested Photosynthetic Photon Flux (400-700nm)     | 1974 $\mu\text{mol/s}$ |
| Tested Photon Flux Blue (400-500nm)               | 361 $\mu\text{mol/s}$  |
|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

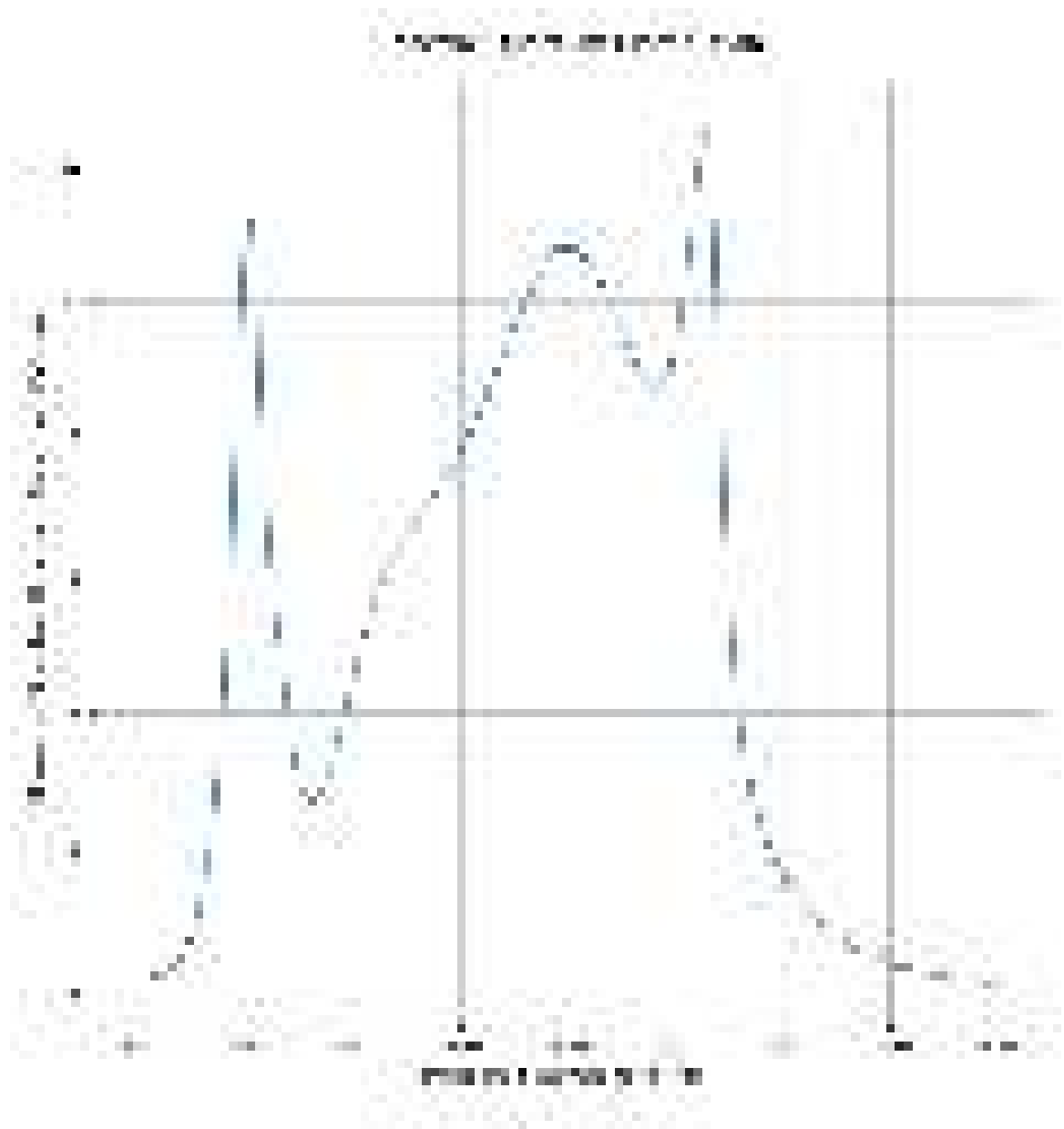
### TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

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

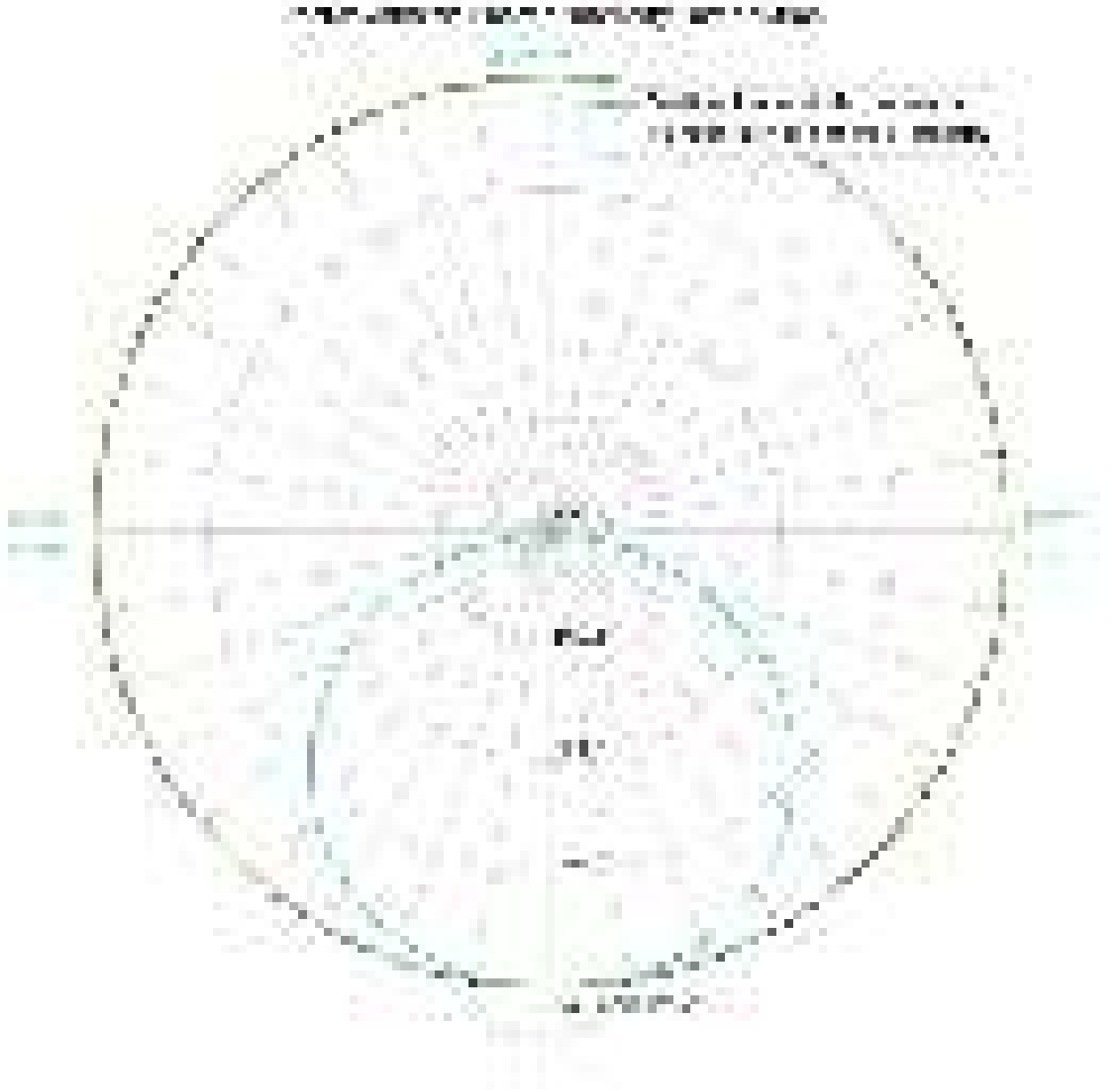
### SQD/PPID VIEW DETAILS

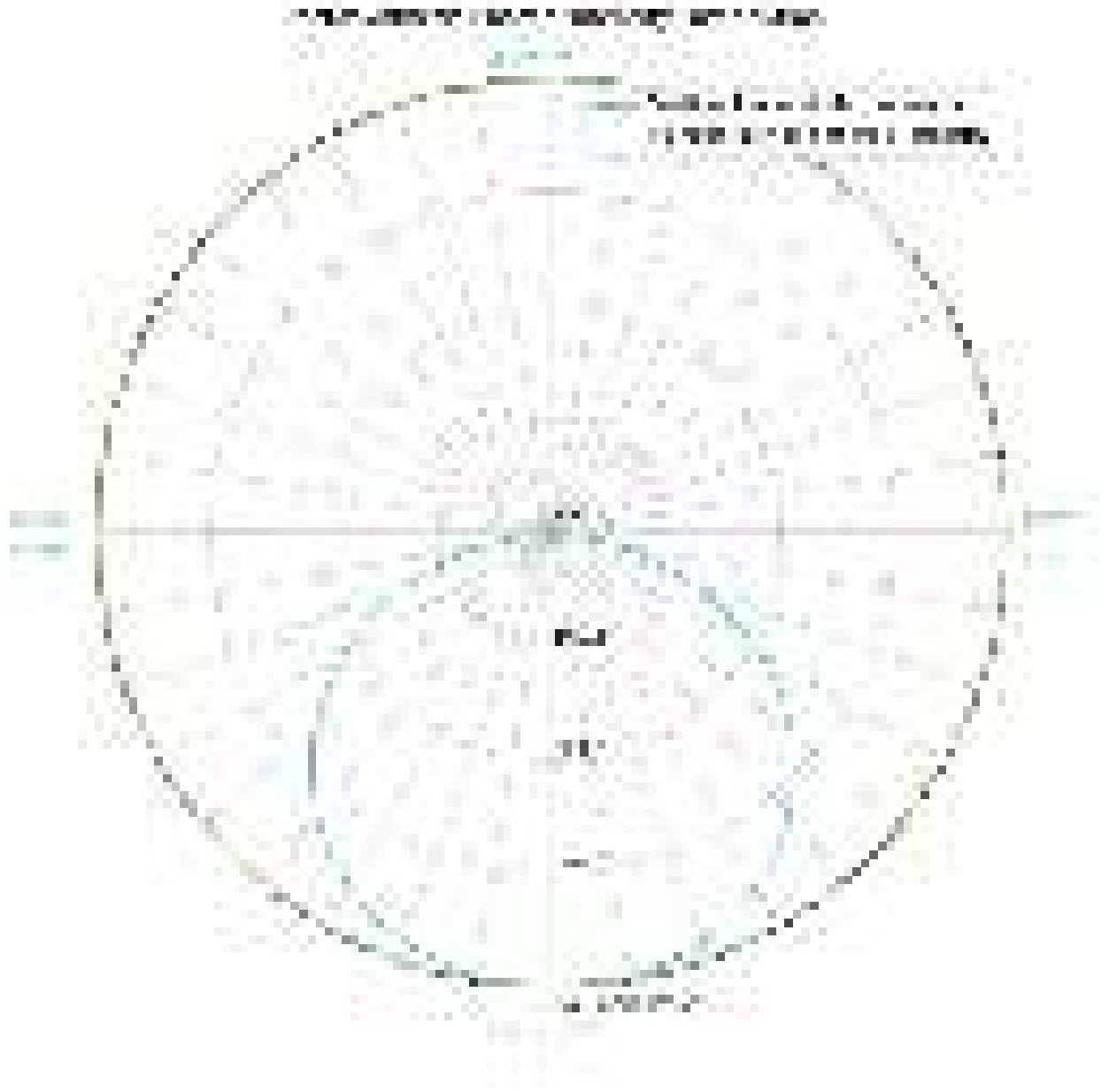
**SQD**  
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**PPID**  
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image to  
zoom in.  
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**VERSION HISTORY VIEW DETAILS**

|            |        |   |
|------------|--------|---|
| 2024-06-27 | Listed | 3 |
|------------|--------|---|