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|  <p><b>DUSA Pharmaceuticals, Inc.</b><br/>25 Upton Drive<br/>Wilmington, MA 01887</p> <p><b>SPECIFICATION DESIGN</b></p> | <p><b>Document #:</b> SPD-0235<br/> <b>Current DCO</b> 05-273<br/> <b>Revision:</b> B<br/> <b>Effective Date:</b> 1/31/06<br/> <b>Supersedes:</b> A<br/> <b>Released By:</b> A. Nicolaisen</p> |
| <p><b>Title:</b></p> <p style="text-align: center;"><b>BLU-U® Optical Specification</b></p>                                                                                                               |                                                                                                                                                                                                |

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| Model 4170 System Specifications |                                                                                                                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total Emitting Area:             | 36 cm H X 79 cm W (2844 cm <sup>2</sup> ) Maximum                                                                                                                                                                                                          |
| Active Emitting Area:            | 30 cm H X 46 cm W (1380 cm <sup>2</sup> ) Minimum                                                                                                                                                                                                          |
| Emitting Surface Geometry:       | Flat Plane Emitter/diffuser in an Elliptical Configuration                                                                                                                                                                                                 |
| Power Output:                    | Non-adjustable —10 mW/cm <sup>2</sup> , as measured with a cosine response detector at the center of the unit at a point 3" from the emitting surface.                                                                                                     |
| Output Stability:                | As measured with a cosine response detector at the center of the unit at a point 3" from the emitting surface: <ul style="list-style-type: none"> <li>• 5.0 to 11.5 mW over first 5 minutes</li> <li>• 9.0 to 11.0 mW over next 25 minutes</li> </ul>      |
| Power Output Uniformity:         | Power output at any point on the active emitting surface shall not be less than 70% of the measured maximum when measured with a cosine response detector at a fixed distance and shall not be less than 60% when measured over all operational distances. |
| Operational Distance:            | Power Output and Power Output Uniformity shall be met at any distance from 2" to 4" from the emitting surface.                                                                                                                                             |
| Illumination Source              | 7 ea. — F34T8 UBL Ultra Blue fluorescent tubes                                                                                                                                                                                                             |
| Spectral Output:                 | 417 ± 5 nm peak; 30 ± 5 nm FWHM                                                                                                                                                                                                                            |
| Phosphor                         | Sr <sub>2</sub> P <sub>2</sub> O <sub>7</sub> : Eu                                                                                                                                                                                                         |
| Power Requirements:              | 120/220 – 240 VAC; 60/50 Hz; 2.5/1.5A                                                                                                                                                                                                                      |
| Controls:                        | <ul style="list-style-type: none"> <li>• Master Power Switch</li> <li>• Key Switch</li> <li>• 30 min. Digital Timer</li> </ul>                                                                                                                             |
| Connections:                     | Hospital Grade Electrical Cord                                                                                                                                                                                                                             |