

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Housing is all aluminum construction
- Terminal block for power input suitable for #2-#14 AWG wire
- Luminaire is designed to mount on a 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon or 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon when ordered with XA-XIL125IP accessory kit and is adjustable +/- 5" to allow for luminaire leveling (two axis T-level included). Horizontal tenon must be minimum 8" (203mm) long
- Exclusive Colorfast DeltaGuard<sup>®</sup> finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available

**ELECTRICAL SYSTEM**

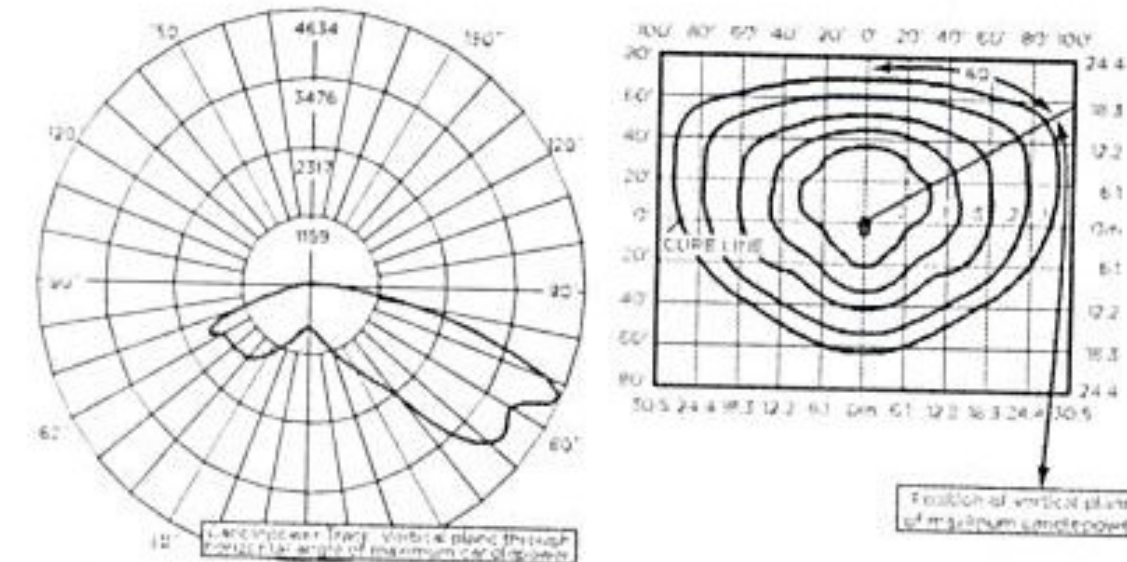
- Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R or ML options
- Consult factory for CE Certified products
- Meets CALTrans 611 Vibration testing and GR-63-CORE Section 4.41/5.4.2 Earthquake Zone 4
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium ("DLC") Qualified Products List ("QPL") when ordered without full backlight control shield
- RoHS Compliant
- Meets Buy American requirements within ARRA

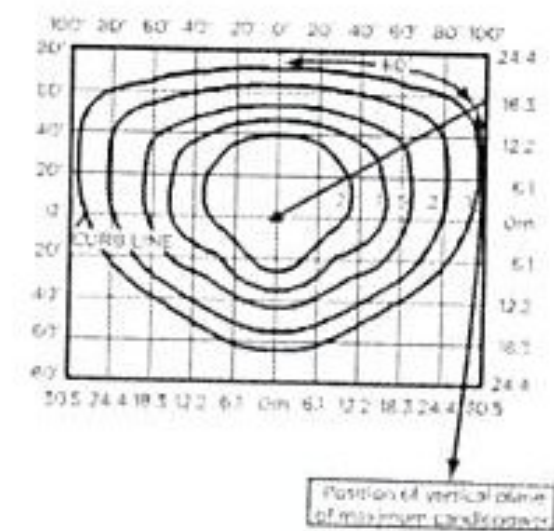
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



CESTL Test Report #: 2013-0068  
STR-LWY-3M-06-E-UL-700-40K  
Initial Delivered Lumens: 10,430

STR-LWY-3M-09-E-UL-700  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,514  
Initial FC at grade



STR-LWY-3M-12-E-UL-700  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 22,004  
Initial FC at grade

IES Files  
To obtain an IES file specific to your project consult:  
<http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool>

**Lumen Output, Electrical, and Lumen Maintenance Data**

LED Count (x10)	Type III Medium Distribution														50K Hours Projected Lumen Maintenance Factor @ 15°C (59°F)**	
	5700K		4000K		System Watts 120-277V	System Watts 347-480V	TOTAL CURRENT									
	Initial Delivered Lumens	BUG Ratings* Per TM-15-II	Initial Delivered Lumens	BUG Ratings* Per TM-15-II			120V	208V	240V	277V	347V	480V				
<b>525mA @ 25°C (77°F)</b>																
07	10,369	B3 U0 G3	9,985	B3 U0 G3	120	124	1.01	0.60	0.54	0.49	0.37	0.28				93%
08	11,797	B3 U0 G3	11,360	B3 U0 G3	139	140	1.17	0.69	0.62	0.56	0.41	0.31				
09	13,211	B3 U0 G3	12,727	B3 U0 G3	159	156	1.26	0.74	0.66	0.59	0.46	0.34				
10	14,752	B3 U0 G3	14,215	B3 U0 G3	182	177	1.41	0.82	0.73	0.65	0.50	0.39				
11	16,185	B3 U0 G3	15,596	B3 U0 G3	192	188	1.54	0.89	0.79	0.70	0.55	0.41				
12	17,604	B3 U0 G3	16,952	B3 U0 G3	192	202	1.67	0.86	0.85	0.75	0.59	0.44				
<b>700mA @ 25°C (77°F)</b>																
07	12,961	B3 U0 G3	12,481	B3 U0 G3	163	165	1.37	0.80	0.71	0.63	0.48	0.36				91%
08	14,745	B3 U0 G3	14,260	B3 U0 G3	182	186	1.54	0.89	0.79	0.70	0.54	0.40				
09	16,514	B3 U0 G3	15,902	B3 U0 G3	203	207	1.72	0.99	0.87	0.78	0.60	0.45				
10	18,452	B3 U0 G3	17,769	B3 U0 G3	227	229	1.92	1.11	0.97	0.86	0.67	0.49				
11	20,232	B3 U0 G3	19,483	B3 U0 G3	243	250	2.10	1.21	1.05	0.93	0.73	0.53				
12	22,004	B3 U0 G3	21,190	B3 U0 G3	267	274	2.26	1.30	1.13	1.00	0.80	0.58				

\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit [www.ies.org/PDF/Errata/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Errata/TM-15-11BugRatingsAddendum.pdf)  
 \*\* Projected L<sub>80</sub> (L<sub>70</sub> at 60,000 hours) based on Series D L<sub>80</sub> data. For recommended lumen maintenance factor data see TD-15. Cree classifies the Series E LED packages as "successors to previously tested sub-components" in Section 5.1 per Sept. 9, 2011 ENERGY STAR guidelines.  
 See [http://www.energystar.gov/ia/partners/ind1\\_development/new\\_specs/downloads/luminaires/ENERGY\\_STAR\\_Final\\_Lumen\\_Maintenance\\_Guidance.pdf](http://www.energystar.gov/ia/partners/ind1_development/new_specs/downloads/luminaires/ENERGY_STAR_Final_Lumen_Maintenance_Guidance.pdf)

