

# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

Utilizes BetaLED® Technology

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

**CRI:** Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K)

**CCT:** 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

\*See [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty) for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics	OSQ-BLSMR – Rotated optics

## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-AA SV + **Luminaire:** OSQ A NM 2ME A 40K-UL SV

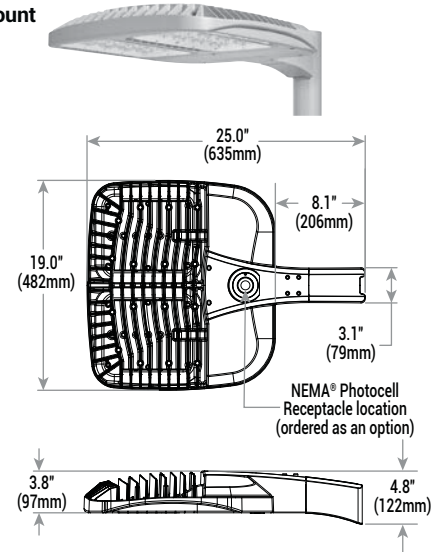
Mount (Luminaire must be ordered separately)			
OSQ-			
OSQ-AA Adjustable Arm OSQ-DA Direct Arm	<b>Color Options:</b>	SV Silver BK Black	BZ Bronze PB Platinum Bronze WH White

## Luminaire (Mount must be ordered separately)

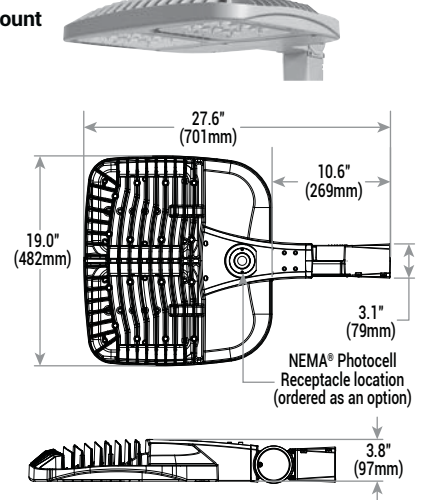
OSQ	A	NM	Optic		Input Power Designator	CCT	-	Voltage	Color Options	Options
OSQ	A	NM No Mount	2ME* Type II Medium 3ME* Type III Medium 4ME* Type IV Medium 5ME Type V Medium 5SH Type V Short	WSN Wide Sign 15" Flood 25" Flood 40" Flood 60" Flood	A 112W Reduced to 56W w/Q9 Option set to Q1 J 168W	30K 3000K 40K 4000K 57K 5700K	- US * Canada	UL Universal 120-277V UH Universal 347-480V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	<b>DIM 0-10V Dimming</b> - Control by others - Refer to Dimming spec sheet for details - Can't exceed wattage of specified input power designator <b>F Fuse</b> - When code dictates fusing, use time delay fuse <b>ML Multi-Level</b> - Refer to ML spec sheet for details - High: 100%, Low: 30% - Intended for downlight applications at 0° tilt <b>PML Programmable Multi-Level, 30-40° Mounting Height</b> - Designed for applications where mounting height is 30-40' A.F.G. - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt <b>PML2 Programmable Multi-Level, 20' Mounting Height</b> - Designed for applications where mounting height is 20' A.F.G. - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt <b>Q9 Field Adjustable Output</b> - Refer to Field Adjustable Output spec sheet for details <b>R NEMA® Photocell Receptacle</b> - Intended for downlight applications with maximum 45° tilt - Photocell by others <b>RL Rotate Left</b> - LED and optic are rotated to the left <b>RR Rotate Right</b> - LED and optic are rotated to the right

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

## DA Mount



## AA Mount



Weight
26.5 lbs. (12kg)



Rev. Date: V5 03/09/2015



US: [www.cree.com/lighting](http://www.cree.com/lighting)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adapter is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adapter is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, white, and platinum bronze are available
- **Weight:** 26.5 lbs. (12kg)

**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
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **Source Current:** 0.15mA

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- 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
- Meets FCC Part 15 standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC qualified when ordered with 30K (5ME, 5SH optics), 40K (2ME, 3ME, 4ME, 5ME, 5SH optics), or 57K (2ME, 3ME, 4ME, 5ME, 5SH optics). Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- Dark Sky Friendly, IDA approved. Please refer to [www.darksky.org/](http://www.darksky.org/) for most current information
- RoHS compliant. Consult factory for additional details

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
A	112	0.97	0.56	0.49	0.43	0.34	0.25
J	168	1.47	0.85	0.74	0.64	0.50	0.36

\* Electrical data at 25°C (77°F)

Recommended Cree® OSQ Series Lumen Maintenance Factors (LMF) <sup>1</sup>						
Ambient	Input Power Designator	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	A/J	1.04	0.97	0.91	0.85	0.80
10°C (50°F)	A/J	1.03	0.96	0.90	0.84	0.79
15°C (59°F)	A/J	1.02	0.95	0.89	0.83	0.78
20°C (68°F)	A/J	1.01	0.94	0.88	0.82	0.77
25°C (77°F)	A/J	1.00	0.93	0.87	0.81	0.76

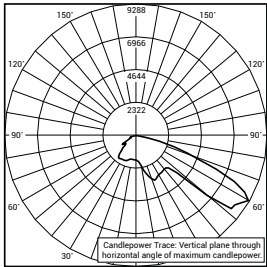
<sup>1</sup> Lumen maintenance values at 4000K and 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing  
<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)  
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)



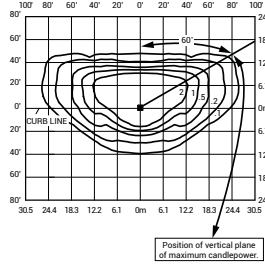
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://www.cree.com/lighting>.

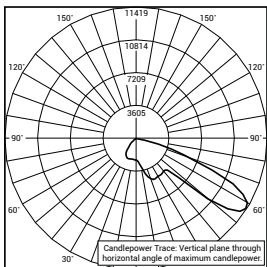
**2ME**



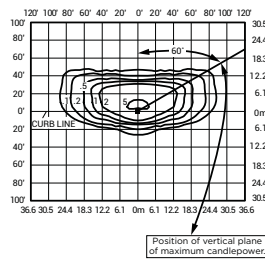
RESTL Test Report #: PL03347-001  
OSQ A \*\* 2ME A 40K-UL  
Initial Delivered Lumens: 10,988



OSQ A \*\* 2ME J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,356  
Initial FC at grade



RESTL Test Report #: PL03642-003  
OSQ A \*\* 2ME J 40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 14,643



OSQ A \*\* 2ME J 40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 14,020  
Initial FC at grade

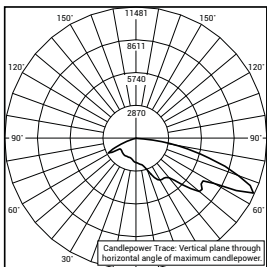
Type II Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	9,136	B2-U0-G1	10,904	B2-U0-G2	11,649	B2-U0-G2
J	13,703	B2-U0-G2	16,356	B3-U0-G2	17,474	B3-U0-G2

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

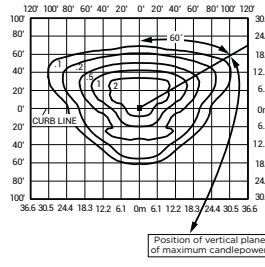
Type II Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	7,831	B1-U0-G1	9,346	B2-U0-G2	9,985	B2-U0-G2
J	11,746	B2-U0-G2	14,020	B2-U0-G2	14,978	B2-U0-G2

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

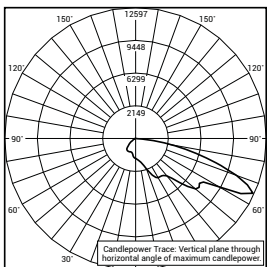
**3ME**



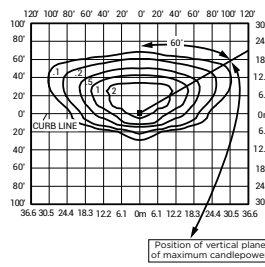
RESTL Test Report #: PL03478-001  
OSQ A \*\* 3ME J 40K-UL  
Initial Delivered Lumens: 16,257



OSQ A \*\* 3ME J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,189  
Initial FC at grade



RESTL Test Report #: PL03642-001  
OSQ A \*\* 3ME J 40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 14,229



OSQ A \*\* 3ME J 40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 13,853  
Initial FC at grade

Type III Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	9,042	B2-U0-G2	10,793	B2-U0-G2	11,530	B2-U0-G2
J	13,564	B3-U0-G3	16,189	B3-U0-G3	17,296	B3-U0-G3

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

Type III Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	7,737	B1-U0-G2	9,235	B1-U0-G2	9,866	B1-U0-G2
J	11,606	B1-U0-G2	13,853	B2-U0-G3	14,799	B2-U0-G3

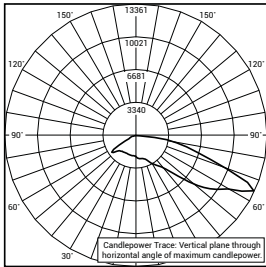
\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



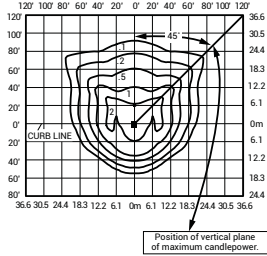
**Photometry**

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**4ME**



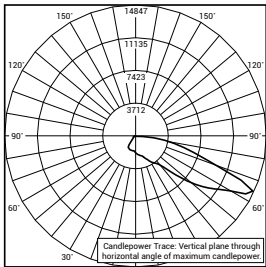
RESTL Test Report #: PL03496-001  
OSQ A \*\* 4ME J 40K-UL  
Initial Delivered Lumens: 16,293



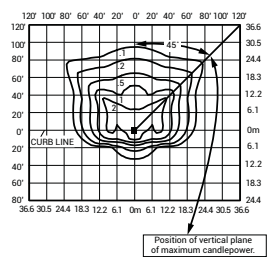
OSQ A \*\* 4ME J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,022  
Initial FC at grade

Type IV Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	8,949	B2-U0-G2	10,682	B2-U0-G2	11,412	B2-U0-G3
J	13,424	B3-U0-G3	16,022	B3-U0-G3	17,117	B3-U0-G3

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



RESTL Test Report #: PL03642-002  
OSQ A \*\* 4ME J 40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 13,647

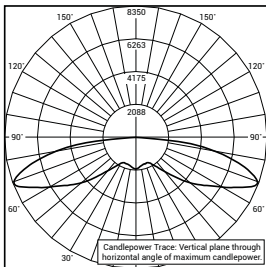


OSQ A \*\* 4ME J 40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 14,020  
Initial FC at grade

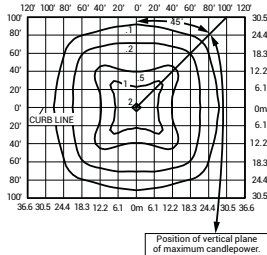
Type IV Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	7,644	B1-U0-G2	9,124	B1-U0-G2	9,747	B1-U0-G2
J	11,466	B2-U0-G3	13,686	B2-U0-G3	14,621	B2-U0-G3

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5ME**



RESTL Test Report #: PL03466-001  
OSQ A \*\* 5ME A 40K-UL  
Initial Delivered Lumens: 20,709

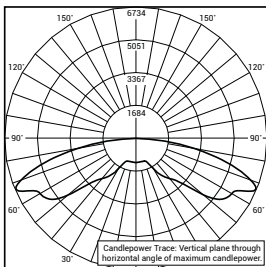


OSQ A \*\* 5ME A 40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 15,480  
Initial FC at grade

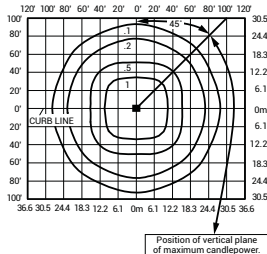
Type V Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	8,716	B3-U0-G3	10,320	B4-U0-G3	10,473	B4-U0-G3
J	13,075	B4-U0-G4	15,480	B4-U0-G4	15,710	B4-U0-G4

\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5SH**



RESTL Test Report #: PL03501-001  
OSQ A \*\* 5SH S 40K-UL  
Initial Delivered Lumens: 21,066



OSQ A \*\* 5SH S 40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 15,817  
Initial FC at grade

Type V Short Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	8,906	B3-U0-G3	10,544	B4-U0-G3	10,701	B4-U0-G3
J	13,359	B4-U0-G3	15,817	B4-U0-G4	16,052	B4-U0-G4

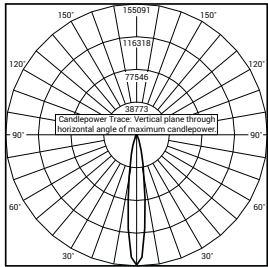
\* Initial delivered lumens at 25°C (77°F)  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



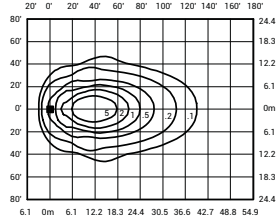
**Photometry**

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**15D**



RESTL Test Report #: PL03903-001  
OSQ A \*\* 15D S 40K-UL  
Initial Delivered Lumens: 22,600



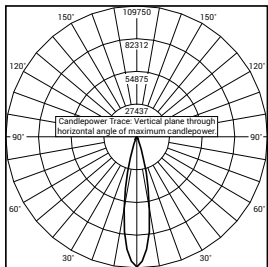
OSQ A \*\* 15D J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 16,153  
Initial FC at grade

**15° Flood Distribution**

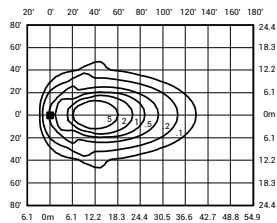
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
A	9,095	10,769	10,929
J	13,643	16,153	16,393

\* Initial delivered lumens at 25°C (77°F)

**25D**



RESTL Test Report #: PL03903-002  
OSQ A \*\* 25D S 40K-UL  
Initial Delivered Lumens: 22,633



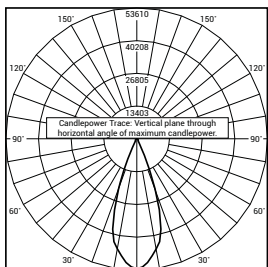
OSQ A \*\* 25D J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 16,153  
Initial FC at grade

**25° Flood Distribution**

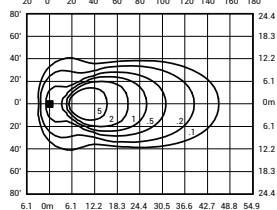
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
A	9,095	10,769	10,929
J	13,643	16,153	16,393

\* Initial delivered lumens at 25°C (77°F)

**40D**



RESTL Test Report #: PL03903-003  
OSQ A \*\* 40D S 40K-UL  
Initial Delivered Lumens: 22,404



OSQ A \*\* 40D J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 15,985  
Initial FC at grade

**40° Flood Distribution**

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
A	9,001	10,657	10,815
J	13,501	15,985	16,222

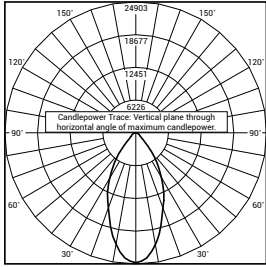
\* Initial delivered lumens at 25°C (77°F)

OSQ™ LED Area/Flood Luminaire – Medium

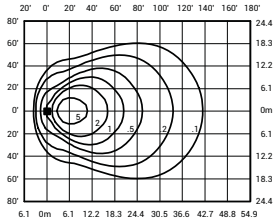
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://www.cree.com/lighting>.

**60D**



RESTL Test Report #: PL03903-004  
OSQ A \*\* 60D S 40K-UL  
Initial Delivered Lumens: 22,301

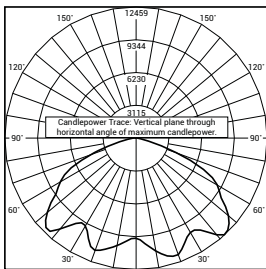


OSQ A \*\* 60D J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 16,153  
Initial FC at grade

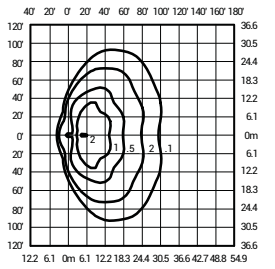
60° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
		Initial Delivered Lumens*	Initial Delivered Lumens*
A	9,095	10,769	10,929
J	13,643	16,153	16,393

\* Initial delivered lumens at 25°C (77°F)

**WSN**



RESTL Test Report #: PL04597-001  
OSQ A \*\* WSN S 30K-UL  
Initial Delivered Lumens: 19,087


















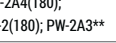



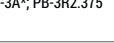
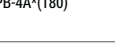

OSQ A \*\* WSN J 40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 10,555  
Initial FC at grade

Wide Sign Distribution			
Input Power Designator	3000K	4000K	5700K
		Initial Delivered Lumens*	Initial Delivered Lumens*
A	8,914	10,555	10,711
J	13,372	15,832	16,067

\* Initial delivered lumens at 25°C (77°F)

Luminaire EPA

Fixed Arm Mount – OSQ-DA Weight: 26.5 lbs. (12kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

Adjustable Arm Mount – OSQ-AA Weight: 26.5 lbs. (12kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration (0°-80° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
0° Tilt							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
10° Tilt							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
20° Tilt							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
30° Tilt							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
45° Tilt							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
60° Tilt							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
70° Tilt							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
80° Tilt							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
Tenon Configuration (90° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
90° Tilt							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")





Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single PB-4A*(90) – 90° Quad PB-2A* – 180° Twin PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	<b>Round Internal Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple
<b>Square External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin PD-4A4(90) – 90° Quad	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single PT-3(90) – 90° Triple PT-2(90) – 90° Twin PT-4(90) – 90° Quad PT-2(180) – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall, roof or side of wood pole WM-2 – Horizontal WM-4 – L-Shape WM-DM – Plate	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single PW-2A3** – Double

\* Refer to the [Bracket and Tenons spec sheet](#) for more details

Direct Mount Configurations

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
A & J	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
A & J	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
A & J	✓	✓	✓	N/A	✓
<b>4" Round</b>					
A & J	✓	✓	✓	✓	✓
<b>5" Square</b>					
A & J	✓	✓	✓	N/A	✓
<b>5" Round</b>					
A & J	✓	✓	✓	✓	✓
<b>6" Square</b>					
A & J	✓	✓	✓	N/A	✓
<b>6" Round</b>					
A & J	✓	✓	✓	✓	✓

