Vela

LED Canopy

Project

Catalog

Type

Date

Product Description

The Vela LED Canopy offers high performance in an economical and practical design. The Vela achieves even light distribution using a prismatic, frosted lens that is UV- and fire-resistant while its die-cast aluminum housing has convenient knockouts for easy J-Box, surface mount, or pendant installations. The Vela is an efficient under outdoor canopy lighting solution for exterior ceilings or for parking garages, car ports, covered walkways, or other commercial spaces, and is equipped with an integrated heat sink and a Type V distribution precision lens.

Construction
- High-quality, die-cast aluminum housing with integrated heat sink
- Easy to use mounting brackets allows for quick installation to J-Boxes (standard)
- (4) ½" knockouts for conduit wiring or sensor additions
- UV- and fire-resistant lens
- Stainless steel hardware

Optical System
- High performance prismatic lens that is frosted for even distribution
- Utilizes advanced LED technology with CCT of 4000K and 5000K
- CRI 80+

Electrical
- Thermally-protected, high-efficiency driver
- Operating temperature rating of -4° to 104°F (-20°C to 40°C)
- 10kA surge protection standard
- Input voltage of 120-277VAC
- Available in 45 and 80 watt
- Driver delivers full-range dimming from 0 - 10VDC

Finish
- Fine-textured, UV-stabilized powder coat bronze finish

Mounting and installation
- Varied installation methods:
  - J-Box (hinged with mounting plate and an EVA stopper provided)
  - Ceiling/conduit (4 fasteners by others and an EVA stopper provided)
  - Pendant (3/4")
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

Listings
- LM-79, LM-80 testing performed in accordance with IESNA standards
- UL and cUL Listed for wet locations
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- TM-21 Reported L70(15k) life >90,000 hours

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

OUC3

LED Canopy

5500 and 10,000 Lumen

4000K and 5000K

DLC LISTED PREMIUM · c UL us LISTED · IP65 · WET LOCATION RATED · 5 YEAR WARRANTY

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Ordering

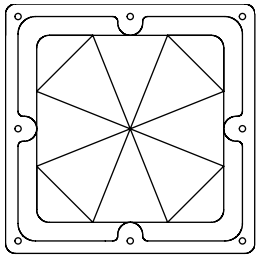
Ordering Information						*Example: OUC3080MV40BZ*
Series	**Version**	**Wattage**	**Voltage**	**CCTs**	**Finish**	**Controls**
OUC	**3**	☐ **045** (45 W)	**MV** (120-277)	☐ **40** (4000 K)	**BZ** (Bronze)	☐ **Blank** (None)
		☐ **080** (80 W)[1]		☐ **50** (5000 K)[1]		☐ **P** (Photocell)
						☐ **M** (Motion Sensor)

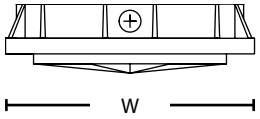
Specifications and dimensions subject to change without notice.
1) 80W model available in 4000K only

Emergency Back-up Accessories

8W Outdoor Remote EM Kit Bronze	EMO1080WRVBZ
18W Outdoor Remote EM Kit Bronze	EMO1180WRVBZ

Dimensions





	45 W	80 W
Fixture Length:	10 in (254 mm)	14 in (356 mm)
Fixture Width:	10 in (254 mm)	14 in (356 mm)
Fixture Height:	3.625 in (93 mm)	5 in (127 mm)

Photometric Data

OUC3045 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	41.5
120V Current (A)	0.35
277V Current (A)	0.15
Delivered Lumens (Lm)	5523
System Efficacy (Lm/W)	133.1
Correlated Color Temp (K)	4912
Color Rendering Index (CRI)	84.2
Horizontal Beam Angle (°)	109.7
Spacing Criteria (0-180)	1.26
BUG Rating	B2-U2-G1

CCT Data Multiplier

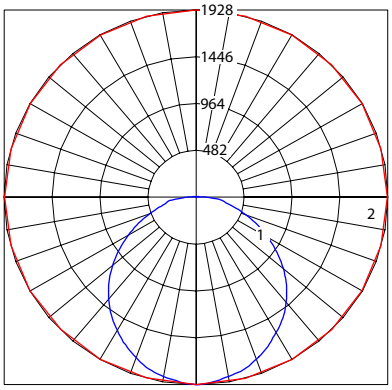
4000K	0.98

Intensity Summary (Candle Power)

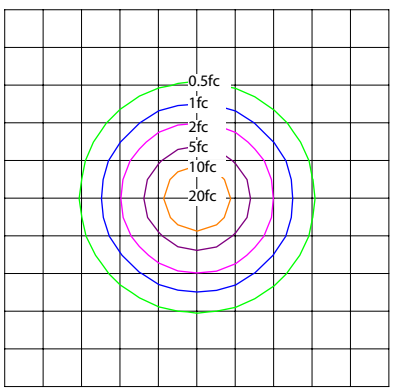
Angle	Mean CP
0	1926
5	1903
15	1832
25	1685
35	1500
45	1259
55	959
65	649
75	374
85	193
90	0

Zonal Lumen Summary

Zone	Lumens	%of Luminaire
0-30	1472	26.7%
0-40	2409	43.6%
0-60	4234	76.7%
0-90	5523	100%
90-180	0	0%
0-180	5523	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

Vela

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Photometric Data

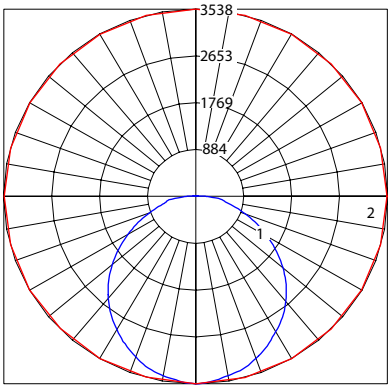
OUC3080 5000K	
Input Voltage (VAC)	120-277
System Level Power (W)	78.6
120V Current (A)	0.66
277V Current (A)	0.28
Delivered Lumens (Lm)	9934
System Efficacy (Lm/W)	126.4
Correlated Color Temp (K)	4021
Color Rendering Index (CRI)	84.4
Horizontal Beam Angle (°)	109.1
Spacing Criteria (0-180)	1.26
BUG Rating	B3-U2-G2

Intensity Summary (Candle Power)

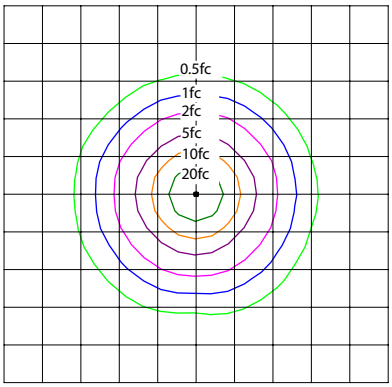
Angle	Mean CP
0	3472
5	3520
15	3404
25	3183
35	2821
45	2357
55	1833
65	1270
75	709
85	271
90	0

Zonal Lumen Summary

Zone	Lumens	%of Luminaire
0-30	2724	27.4%
0-40	4438	44.7%
0-60	7753	78%
0-90	9934	100%
90-180	0	0%
0-180	9934	100%



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 100 sq ft)

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Performance Data

Model Number	CCT	Lumens	Watts	Lumens/Watt	BUG Rating
OUC3045MV##BZ	4000	5412	41.5	130.4	B2-U2-G1
	5000	5523		133.1	
OUC3080MV##BZ	4000	9934	78.6	126.4	B3-U2-G2

Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

**Not a complete list. Check compatibility before installation.*

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.