

# OWT1

## Half Moon LED Wall Pack

### Product Description

The half moon LED Wall Pack is an architectural style wall pack with customizable performance settings. It is easy to install on walls or directly on a J-Box with its mounting bracket. An internal switch offers the ability to adjust the wattage, CCT, and optional uplight operation for full light distribution. This curved wall pack features an integrated photocell and knockout for alternative sensor installation. The OWT1 is suitable for perimeter lighting as well as building entrances, walkways, or other commercial spaces where general-purpose lighting is desired.

#### Construction

- Die-cast aluminum housing
- One (1) ½" knockout for microwave sensor
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat finish

#### Optical System

- A tight rubber seal and glass lens bring an excellent waterproof performance
- Type III optic standard. Type IV and V lenses available
- CCT Selectable (3000/4000/5000K)
- Selectable distribution : full or down only
- >80 CRI to improve safety and color definition in public places.

#### Electrical

- Thermally-protected, high-efficiency driver
- Input voltage of 120-277VAC
- Selectable Wattage (80/64/48)
- Power Factor = >0.9
- THD = ≤20%
- Operating temperature rating of -40° to 113°F (-40°C to 45°C)

#### Controls

- Integral photocell is standard, with the ability to enabled/disable
- Driver delivers full-range dimming from 0 - 10VDC

#### Mounting and installation

- Mounts to surface using included mounting plate
- Wiring possible through backplate
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

#### Listings

- cULus 1598 Listed for wet locations
- IP65 Rated
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- RoHS Compliant
- TM-21 Reported L70(9k) life >54,000 hours
- TM-21 Reported L90(9k) life 54,000 hours
- LM-79,LM-80 testing performed in accordance with IESNA standards

#### Warranty

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

Project

Catalog

Type

Date



**OWT1**  
**Half Moon LED Wall Pack**  
48W/64W/80W  
3000K/4000K/5000K



# Ordering

## Ordering Information

Example: OWT1080SUS8BZ3

Series	Version	Wattage	Voltage	CCTs	CRI	Finish	Optic	Emergency
OWT	1	080S (80/64/48W)	U (120-277)	S (Select 3/4/5)	8 (80 CRI)	BZ (Bronze)	3 (Type III)	__ (None)
							4 (Type IV)	E (9W)
							5 (Type V)	

Specifications and dimensions subject to change without notice.

## Motion Sensor Accessories (see specsheet for full information)

Microwave Motion Sensor - Brown Gray H12V3SENSORMW1PBG

Remote Control for Sensors H12V2REMOTE

## Performance Data

Note: Distribution is selectable between Full and Down settings. Full Distribution is 80% downlight/20% to uplight. Down distribution is 100% downlight.

Model	Wattage Setting	Type III Full Distribution				Type III Down Distribution				
		CCT	Lumens	Watts	Efficiency	BUG Rating	Lumens	Watts	Efficiency	BUG Rating
OWT1080	48	3000	7560	47.8	158.2	B2-U5-G2	7559	47.8	158.1	B2-U0-G2
		4000	7842	46.4	169		7840	46.4	169.0	
		5000	7485	47.6	157.2		7484	47.6	157.2	
	64	3000	9773	64.8	150.8	B3-U5-G3	9772	64.8	150.8	B2-U0-G3
		4000	10290	62.4	164.9		10288	62.4	164.9	
		5000	9756	64.9	150.3		9754	64.9	150.3	
	80	3000	11648	80.7	144.3	B3-U5-G3	11648	80.7	144.3	B3-U0-G3
		4000	12441	77.5	160.5		12440	77.5	160.5	
		5000	11798	81.7	144.4		11797	81.7	144.4	

Model	Wattage Setting	Type IV Full Distribution				Type IV Down Distribution				
		CCT	Lumens	Watts	Efficiency	BUG Rating	Lumens	Watts	Efficiency	BUG Rating
OWT1080	48	3000	6906	47.1	146.6	B2-U5-G1	6905	47.1	146.6	B2-U0-G2
		4000	7502	45.6	164.5		7501	45.6	164.5	
		5000	7441	46.5	160		7440	46.5	160	
	64	3000	8905	63.9	139.4	B2-U5-G2	8903	63.9	139.3	B2-U0-G2
		4000	9888	61.2	161.6		9885	61.2	161.5	
		5000	9640	62.8	154.7		9638	62.8	153.5	
	80	3000	10732	80.9	132.7	B2-U5-G2	10730	80.9	132.6	B2-U0-G2
		4000	12107	76.8	157.6		12105	76.8	157.6	
		5000	11711	79	148.2		11709	79	148.2	

Model	Wattage Setting	Type V Full Distribution				Type V Down Distribution				
		CCT	Lumens	Watts	Efficiency	BUG Rating	Lumens	Watts	Efficiency	BUG Rating
OWT1080	48	3000	7574	49.2	153.9	B2-U5-G1	7528	49.2	153	B2-U0-G1
		4000	8085	47.6	169.9		8073	47.6	169.6	
		5000	7922	48.9	162		7862	48.9	160.8	
	64	3000	9600	66.2	145	B3-U5-G1	9551	66.2	144.3	B3-U0-G1
		4000	10420	62.8	165.9		10339	62.8	164.6	
		5000	10112	65.2	155.1		10045	65.2	160	
	80	3000	11499	82.7	139	B3-U5-G1	11411	82.7	138	B3-U0-G1
		4000	12427	78.2	158.9		12536	78.2	160.3	
		5000	12185	82.3	148.1		12165	82.3	147.8	

# Photometric Data

## OWT 80W 5000K Type III Full

Input Voltage (VAC)	120-277
System Level Power (W)	81.7
Delivered Lumens (Lm)	11798
System Efficacy (Lm/W)	144.3
Correlated Color Temp (K)	4747
Color Rendering Index (CRI)	81
Beam Angle (0)	150.7
Beam Angle (90)	119.2
Spacing Criteria (0)	1.72
Spacing Criteria (90)	1.64
BUG Rating	B3-US-G3

### Data Multiplier

	3000K	4000K	5000K
48W	0.641	0.665	0.635
64W	0.829	0.873	0.828
80W	0.988	1.055	1.000

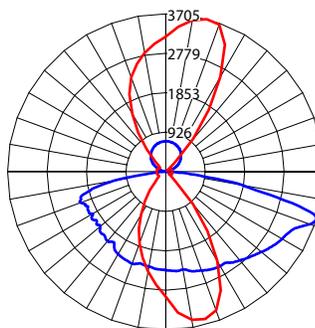
## Intensity Summary (Candle Power)

Angle	Mean CP
0	2302
5	2376
15	2591
25	2804
35	2796
45	2490
55	1708
65	827
75	475
85	175
90	108

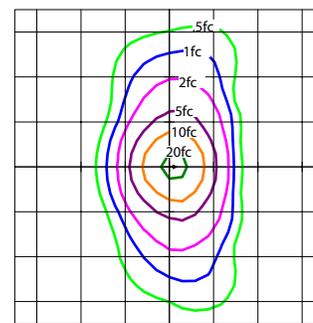
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2019	17.7%
0-40	3516	29.8%
0-60	7012	59.4%
0-90	9780	82.9%
90-180	2019	17.1%
0-180	11798	100%

## OWT1080 80W 5000K Type III Full



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



10' Mounting Height (1 square = 144 sq ft)

## OWT 80W 5000K Type III Down

Input Voltage (VAC)	120
System Level Power (W)	79
Delivered Lumens (Lm)	11877
System Efficacy (Lm/W)	150.3
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	81
Beam Angle (0)	150.9
Beam Angle (90)	122.1
Spacing Criteria (0)	1.86
Spacing Criteria (90)	1.66
BUG Rating	B3-U0-G3

### Data Multiplier

	3000K	4000K	5000K
48W	0.604	0.634	0.621
64W	0.771	0.836	0.810
80W	0.936	1.025	1.000

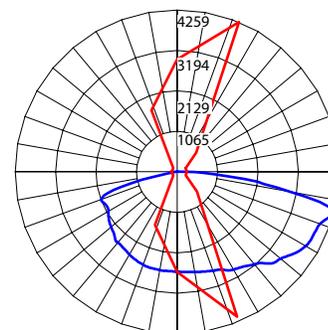
## Intensity Summary (Candle Power)

Angle	Mean CP
0	2645
5	2665
15	2835
25	3187
35	3416
45	3360
55	2933
65	1601
75	249
85	103
90	0

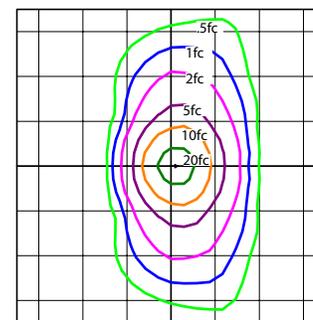
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2295	19.3%
0-40	4040	34%
0-60	8245	69.4%
0-90	11877	100%
90-180	0	0%
0-180	11877	100%

## OWT1080 80W 5000K Type III Down



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



10' Mounting Height (1 square = 144 sq ft)

# Photometric Data

## OWT 80W 5000K Type IV Full

Input Voltage (VAC)	120
System Level Power (W)	79
Delivered Lumens (Lm)	11711
System Efficacy (Lm/W)	148.2
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	81
Beam Angle (0)	139.5
Beam Angle (90)	109.5
Spacing Criteria (0)	1.98
Spacing Criteria (90)	1.78
BUG Rating	B2-U5-G2

### Data Multiplier

	3000K	4000K	5000K
48W	0.590	0.641	0.635
64W	0.760	0.844	0.823
80W	0.916	1.034	1.000

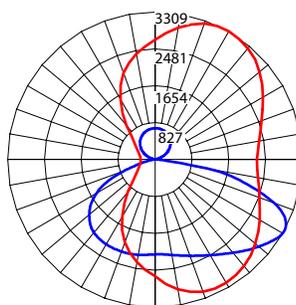
## Intensity Summary (Candle Power)

Angle	Mean CP
0	2122
5	2124
15	2227
25	2454
35	2719
45	2969
55	2853
65	827
75	475
85	175
90	108

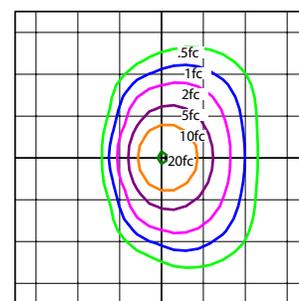
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1876	16%
0-40	3336	28.5%
0-60	7083	60.5%
0-90	9777	83.5%
90-180	1934	16.5%
0-180	11711	100%

## OWT1080 80W 5000K Type IV Full



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



10' Mounting Height (1 square = 144 sq ft)

## OWT 80W 5000K Type IV Down

Input Voltage (VAC)	120
System Level Power (W)	79
Delivered Lumens (Lm)	11709
System Efficacy (Lm/W)	148.2
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	81
Beam Angle (0)	140.1
Beam Angle (90)	106.9
Spacing Criteria (0)	2.00
Spacing Criteria (90)	1.78
BUG Rating	B2-U0-G2

### Data Multiplier

	3000K	4000K	5000K
48W	0.590	0.641	0.635
64W	0.760	0.844	0.823
80W	0.916	1.034	1.000

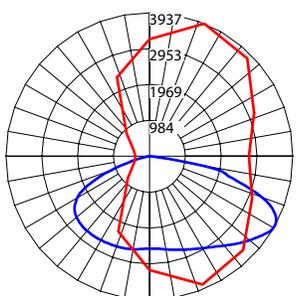
## Intensity Summary (Candle Power)

Angle	Mean CP
0	2542
5	2542
15	2671
25	2943
35	3260
45	3608
55	3590
65	2627
75	731
85	83
90	28

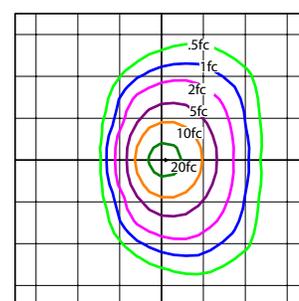
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2248	19.2%
0-40	3998	34.1%
0-60	8490	72.5%
0-90	11709	100%
90-180	0	0%
0-180	11709	100%

## OWT1080 80W 5000K Type IV Down



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



10' Mounting Height (1 square = 144 sq ft)

# Photometric Data

## OWT 80W 5000K Type V Full

Input Voltage (VAC)	120
System Level Power (W)	82.3
Delivered Lumens (Lm)	12185
System Efficacy (Lm/W)	148.1
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	81
Beam Angle (0)	113
Beam Angle (90)	125.1
Spacing Criteria (0)	1.72
Spacing Criteria (90)	1.7
BUG Rating	B3-U5-G1

### Data Multiplier

	3000K	4000K	5000K
48W	0.622	0.664	0.650
64W	0.788	0.855	0.830
80W	0.944	1.020	1.000

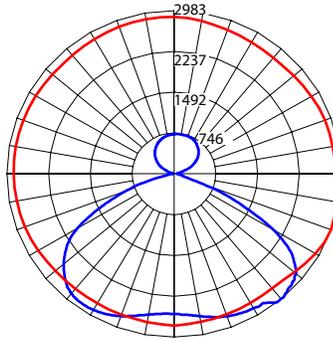
## Intensity Summary (Candle Power)

Angle	Mean CP
0	2558
5	2586
15	2731
25	2839
35	2886
45	2805
55	2328
65	827
75	475
85	175
90	108

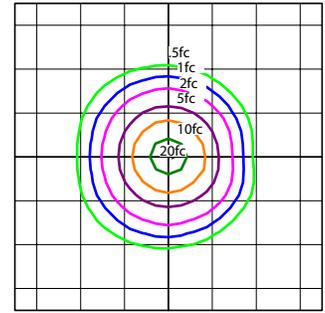
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2299	18.9%
0-40	4073	33.4%
0-60	8307	68.2%
0-90	10025	82.3%
90-180	2160	17.7%
0-180	12185	100%

## OWT1080 80W 5000K Type V Full



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



10' Mounting Height (1 square = 144 sq ft)

## OWT 80W 5000K Type V Down

Input Voltage (VAC)	120
System Level Power (W)	82.3
Delivered Lumens (Lm)	12165
System Efficacy (Lm/W)	147.8
Correlated Color Temp (K)	5000
Color Rendering Index (CRI)	81
Beam Angle (0)	119.1
Beam Angle (90)	123.9
Spacing Criteria (0)	1.66
Spacing Criteria (90)	1.70
BUG Rating	B3-U0-G1

### Data Multiplier

	3000K	4000K	5000K
48W	0.619	0.664	0.646
64W	0.785	0.850	0.826
80W	0.938	1.030	1.000

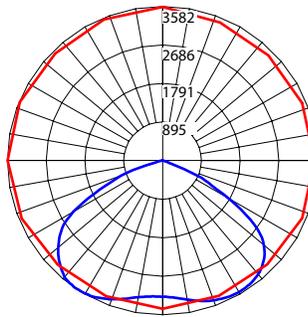
## Intensity Summary (Candle Power)

Angle	Mean CP
0	3166
5	3194
15	3366
25	3492
35	3488
45	3300
55	2699
65	1317
75	163
85	26
90	4

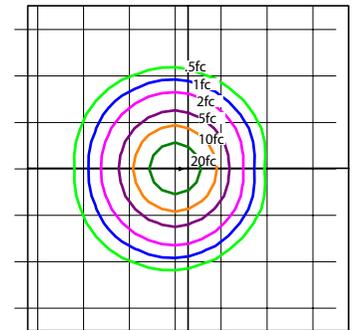
### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	2845	23.4%
0-40	5032	41.4%
0-60	10137	83.3%
0-90	12165	100%
90-180	0	0%
0-180	12165	100%

## OWT1080 80W 5000K Type V Down



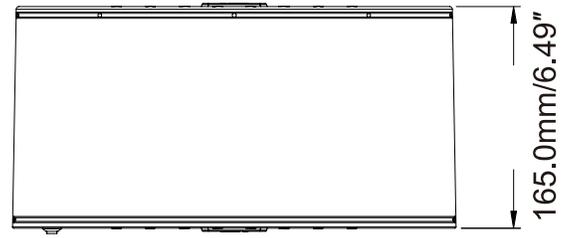
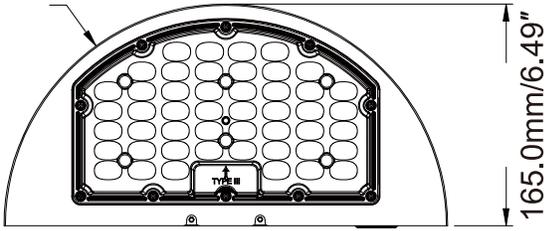
1 - Vertical Plane Through Horizontal Angle  
2 - Horizontal Cone Through Vertical Angle



10' Mounting Height (1 square = 144 sq ft)

## Dimensions

φ 330.0mm/12.99"



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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.