### DESCRIPTION

The HALO AL7550 LED area light combines a low profile design with a powerful punch. At 8100 lumens this fixture provides enough light for large areas such as parking lots, roadways, barns, as well as other light commercial grade applications. The rugged, yet sleek, die cast construction includes a twist lock dusk to dawn photocontrol for nighttime ON and daytime OFF functionality for maximum energy savings while still delivering reliable security lighting.

# HALO OUTDOOR™

Catalog #	Туре
Project	
Comments	Date
Prepared by	

### SPECIFICATION FEATURES

#### Construction

- Durable die-cast aluminum housing with UV stable clear lens
- Powder coated bronze or white finish
- Suitable for wall or pole mount applications
- Fits 1-5/8" EA24 pole mounting arm (available separately)

### Optics

• Cut off lens design creates zero uplight

## Electrical

- 120-277VAC, 50/60HzMaintenance-free LEDs with
- 50,000 hours of life • 5000K color temperature perfect
- for security applications • Fixture operating temperature of -30°C to 40°C
- External supply wiring 75°C minimum
- Replaceable 3-pin NEMA twist lock photocontrol
- 12,000 cycle rated integral photo control included

### Warranty

• Five year limited warranty, consult website for details. www.cooperlighting.com

### Compliance

- UL certified for US and Canada for wet locations
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.

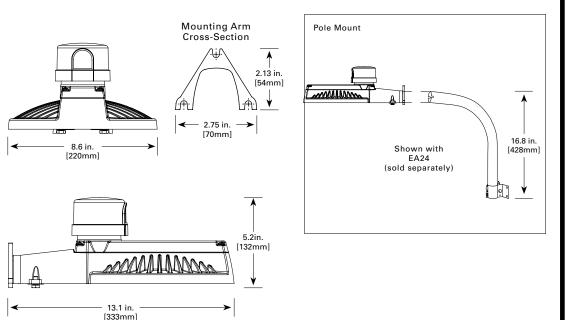


# AL7550

# 8100 LUMEN SERIES

Area and Site Light

### DIMENSIONS



### ENERGY DATA

Lumens	8166				
Input Voltage	120-277V	50/60Hz			
Input Current @ 120V	(mA)	521			
Input Power	(VV)	61.6			
Efficiency	(LPW)	132.6			
THD: ≤ 20%					
PF: ≥ 0.90					

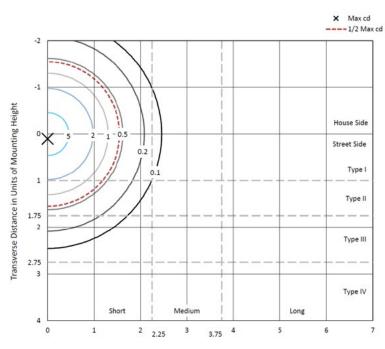


## ORDERING INFORMATION

Sample Number: AL7550LPCBZ						
Module	Lumens	CRI/CCT	Lamp Type	Options	Colors	
<b>AL</b> = Area Light	<b>75</b> = 8100 lumens (nominal)	<b>50</b> = 5000K	L = LED	PC = Photocontrol	<b>BZ</b> = Bronze <b>GY</b> = Gray	

### PHOTOMETRY

### **ISO-FOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**



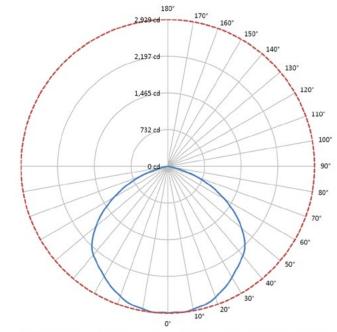
Longitudinal Distance in Units of Mounting Height



Minimum Footcand	lles (FC)	0.50 FC					0.2 FC			
Mounting Height (2	<u>z)</u>	8'		12'		1	16'		20'	
Catalog Number	Lumens	х	Y	х	Y	х	Y	х	Y	
AL7550LPC	50	20.6'	20.6'	25.6'	25.6'	29.6'	29.6'	42'	42'	

Series	Voltage	Power (W)	Delivered Lumens (Lm)	Efficacy (Lm/W)	сст	CRI	Controls
AL7550LPCBZ	120-277V	61.6	8166	132.6	5000K	80	3 Pin Photocontrol
AL7550LPCGY	120-277V	61.6	8166	132.6	5000K	80	3 Pin Photocontrol

LUMINOUS INTENSITY POLAR PLOT



Vertical Plane Through 0-Deg Lateral ---- Horizontal Cone Through 6-Deg Vertical

### ZONAL LUMENS

Zone	Lumens	%Fixture
0° - 10°	278.5	3.4
10° - 20°	805.6	9.9
20° - 30°	1231.1	15.1
30° - 40°	1524.0	18.7
40° - 50°	1652.3	20.2
50° - 60°	1426.6	17.5
60° - 70°	923.82	11.3
70° - 80°	303.8	3.7
80° - 90°	21.1	0.3
90° - 100°	0.0	0.0
100° - 110°	0.0	0.0
110° - 120°	0.0	0.0
120° - 130°	0.0	0.0
130° - 140°	0.0	0.0
140° - 150°	0.0	0.0
150° - 160°	0.0	0.0
160° - 170°	0.0	0.0
170° - 180°	0.0	0.0
0° - 90°	8166.7	100.0
0° - 180°	8166.7	100.0



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Specifications and dimensions subject to change without notice.