

# INTELLIDOME

ADVANCED LIGHTING & SECURITY SYSTEMS

EVSCHX5-CH-INT01A

Integrated LED Cobra Head/Wireless Network Surveillance System

## Features:

**Usage:** Retrofit for existing Cobra Heads where greater energy efficiency and surveillance is needed. For illumination and real-time wireless surveillance Airports, Parks, Embassies, Federal/Municipal Facilities, Military Bases, Highways, Freeways, Parkways, Intersections and Thoroughfares, Local and Collector Roads, Parking Lots, Intersections, Business Districts, Walkways, Building Exteriors.

**Light Distributions:** Type II and III

**Network:** MPLS over VSAT VPN (IP)

**Input Wattage:** Available in 55, 80, and 120 Watts

**Replacing:** 75- 250W HPS or MH Fixtures and/or earlier generation stand-alone cameras.

**Life Expectancy:** > 50,000 Hours

**Fixture Overall Efficacy:** Up to 90 Lumens per Watt

**Sealed Optics** IP65, **Operating Range** -40C-65C, **Operating Humidity** 5%95% non condensing, **Patents** Pending

## Specifications:

**Housing:** One-piece cast, low copper (<0.4% Cu) aluminum alloy housing with integral slipfitter.

**Lens and Frame:** One-piece cast, low copper (<0.4% Cu) aluminum alloy lens frame. Molded Acrylic or borosilicate flat glass lens.

**Mounting:** Mounts easily on 2" NPS arm (adapter available for 2" NPS arm). ±6° of leveling and adjustment. Stainless fittings.

**Power:** Input voltage from 100-277 VAC. Input voltage of 480 VAC available with stepdown transformer.

**LED Driver:** The LED driver is a constant-current device with a high-power factor correction to maximize power utilization.

**Safety:** Meets UL 1310 / UL48 Class 2 with a built-in over-temperature protection. When an optional lightning surge protector is used system is rated @ 100,000 hours.

**Finish/Color:** Finish is TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness; A.S.T.M. B-119, 2500 hour salt spray test endurance rating. The standard color is Light Gray. Custom colors are available; consult factory.

**LED Modules:** The LED modules utilize an aluminum metal clad board for maximum heat transfer, thus leading to longer life. Product employs EvoLucia patent-pending Aimed Optics™ for optimal lumen control.

**Fixture Performance:** EvoLucia Aimed Optics™ produces the highest Energy Star Fitted Target Efficacy (FTE) values in the industry - >55 Lm/W (Effective Luminous Efficacy). LM79 Photometric & Electrical Performance report available.

**Energy Savings:** Control of the LEDs allows the fixture to maintain light levels equal to or greater than existing HPS or MH fixtures at about half the energy consumption level even when the added draw of the camera and integral radio are considered.

**EPA:** 1.2 ft<sup>2</sup> **Height:** 7.5" **Weight:** 24 lbs **Width:** 13.4" **Length:** 30.7"



## Specifications Continued:

**Heat Sink/Platform:** Fixture - One-piece cast, low copper (<0.4% Cu) aluminum alloy. Effectively spreads heat to ensure long component life of LEDs and electronic components and provides precise alignment. Active Camera cooling/heating via blower.

**Durability:** 5 year warranty. LM80 report available.

**Photo Control:** Twist lock photo cell with shorting cap as standard. Photo cell for automatic fixture on/off operation is optional. Remote wireless control of fixture lumen output with dimmable driver, through proprietary Intellidome CellWave™ and VideoFusion™ platform.

**Camera Control:** Wireless Remote control of Pan/tilt/zoom via iPhone™ or similar mobile device through proprietary Intellidome CellWave™ and VideoFusion™ platform.

**Camera:** Intellidome EVSCHX5-CH-INT01A. 120°/sec pan/tilt speed. 7" vandal-resistant dome. 360X zoom. 30/25 FPS @ Full D1 (720x480/720/576) resolution. Auto focus, high-res integrated day/night IR sensitive package. 380° continuous rotation, 16 user selectable privacy zones. Consumes 8W

**Network:** MPLS over VSAT creates a virtual private network for any regional setting – rural or urban. MPEG-4 & MJPEG video compression. Up to 100 video feeds to be simultaneously monitored in real time on mobile device (e.g. iPhone) or PC (Windows, Mac) through proprietary Intellidome Video Management Network Application (Video Fusion™). Most advanced IP camera technology residing on the most advanced WiFi bridged/routed network in the world.

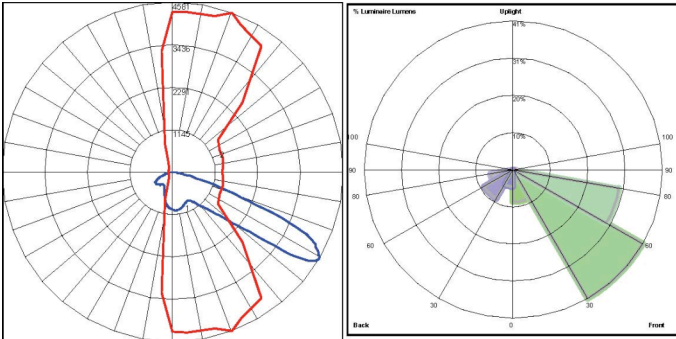
**Radio:** 6220-APU Wireless LAN Cable Access Point. Security Augmented IEEE 802.11b/g 2.4GHz ISM device. Auto Sensing 10/100 Ethernet. Hotspot broadcasting via VPN and Commercial High-Speed Data services. Utilizes standards-compatible DOCSIS or EuroDOCSIS cable modems for integration with cable network. Offers 6 or 8-MHz channel width meeting North American or European standards. Consumes 8W.

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ADVANCED LIGHTING & SECURITY SYSTEMS

Photometrics: 55 Watt Roadway, Type III

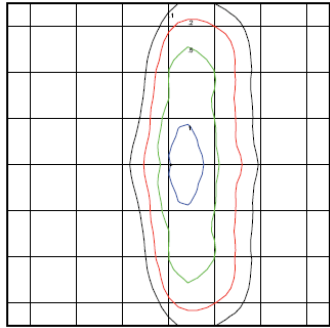
Catalog Number: SCHX5/55-43/PAL/T3/277/LG  
LTL Test # 18532



Maximum Candela = 4501.1 Located At Horizontal Angle = 69.6, Vertical Angle = 59.5  
# 1 - Vertical Plane Through Horizontal Angles (69.6 - 249.6) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (59.5) (Through Max. Cd.)

Percent Luminaire Lumens:  
Front: Low=0%, Medium=40.0%, High=30.0%, Very High=0.0%  
Back: Low=7%, Medium=3.2%, High=0.3%, Very High=0.2%  
Uplight: Low=0.0%, High=0.0%

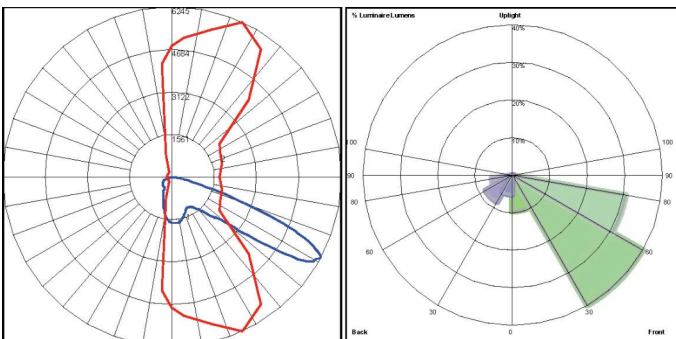
B10 Rating: B1-U1-01



Horizontal Footcandles  
Scale: 1 inch = 25 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 2546  
Mounting Height = 25.00 Ft.  
Maximum Calculated Value = 1.53 Fc  
Arrangement: Single

Photometrics: 55 Watt Roadway, Type III

Catalog Number: SCHX5/55-43/PAL/T3/277/LG  
LTL Test # 18532

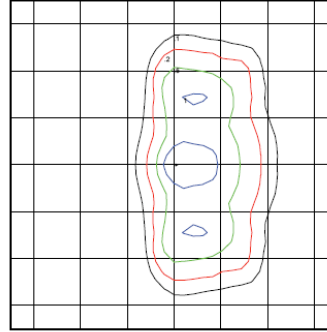


Maximum Candela = 6244.9 Located At Horizontal Angle = 65.5, Vertical Angle = 61.5  
# 1 - Vertical Plane Through Horizontal Angles (65.5 - 245.5) (Through Max. Cd.)

Percent Luminaire Lumens:  
Front: Low=0%, Medium=40.0%, High=30.0%, Very High=0.0%  
Back: Low=5%, Medium=3.2%, High=0.3%, Very High=0.2%

# EVSCHX5-CH-INT01A

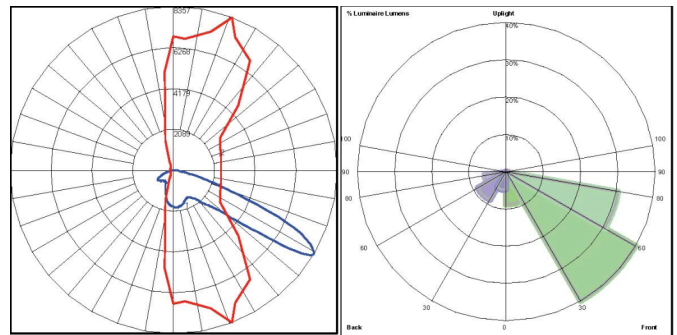
Integrated LED Cobra Head/Wireless Network Surveillance System



Horizontal Footcandles  
Scale: 1 inch = 25 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 4592  
Mounting Height = 25.00 Ft.  
Maximum Calculated Value = 1.75 Fc  
Arrangement: Single

Photometrics: 80 Watt Roadway, Type II

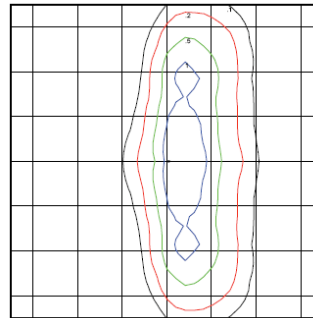
Catalog Number: SCHX5/80-43/PAL/T2/277/LG  
LTL Test # 18527



Maximum Candela = 6357.2 Located At Horizontal Angle = 69, Vertical Angle = 59  
# 1 - Vertical Plane Through Horizontal Angles (69 - 249) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (59) (Through Max. Cd.)

Percent Luminaire Lumens:  
Front: Low=0%, Medium=40.1%, High=30.0%, Very High=0.7%  
Back: Low=0%, Medium=0%, High=0.3%, Very High=0.2%  
Uplight: Low=0.0%, High=0.0%

B10 Rating: B2-U1-02



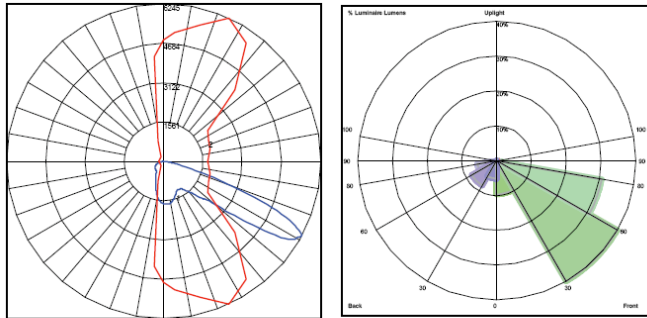
Horizontal Footcandles  
Scale: 1 inch = 25 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 8500  
Mounting Height = 25.00 Ft.  
Maximum Calculated Value = 3.01 Fc  
Arrangement: Single

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Photometrics: 80 Watt Roadway, Type III

Catalog Number: SCHX5/80-43/PAL/T3/277/LG  
LTL Test # 18534

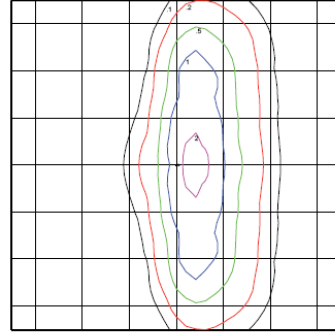


Maximum Candela = 6244.9 Located At Horizontal Angle = 65.5, Vertical Angle = 61.5  
# 1 - Vertical Plane Through Horizontal Angles (65.5 - 248.5) Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (61.5) (Through Max. Cd.)

Percent Luminaire Lumens:  
Front: Low=8.0%, Medium=43.0%, High=50.0%, Very High=0.0%  
Back: Low=0.0%, Medium=0.0%, High=0.0%, Very High=0.0%  
Uplight: Low=0.0%, High=0.0%  
BIA0 Rating: 81-U1-02

## EVSCHX5-CH-INT01A

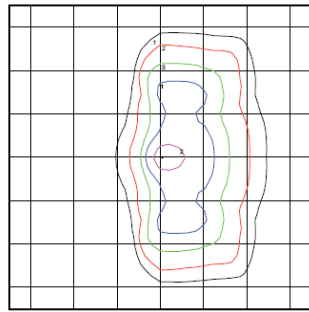
Integrated LED Cobra Head/Wireless Network Surveillance System



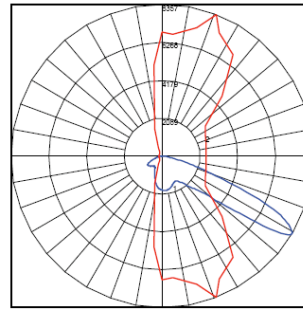
Horizontal Footcandles  
Scale: 1 inch = 20 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (Outside photometry)  
Luminaire Lumens = 8670  
Mounting Height = 25.00 Ft.  
Maximum Calculated Value = 2.67 Fc  
Arrangement: Single

Photometrics: 120 Watt Roadway, Type III

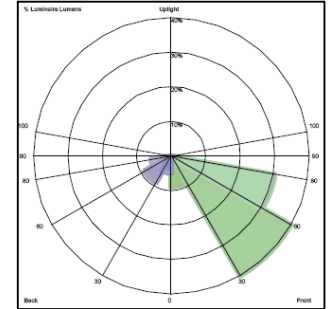
Catalog Number: SCHX5/120-43/PAL/T3/277/LG  
LTL Test # 18529



Horizontal Footcandles  
Scale: 1 inch = 20 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (Outside photometry)  
Luminaire Lumens = 7028  
Mounting Height = 20.00 Ft.  
Maximum Calculated Value = 3.85 Fc  
Arrangement: Single



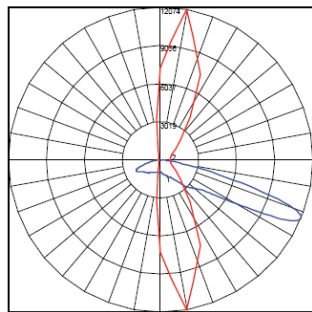
Maximum Candela = 8367.2 Located At Horizontal Angle = 65, Vertical Angle = 59  
# 1 - Vertical Plane Through Horizontal Angles (65 - 249) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (59) (Through Max. Cd.)



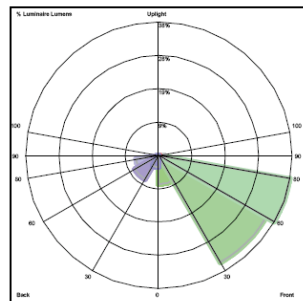
Percent Luminaire Lumens:  
Front: Low=8.0%, Medium=43.0%, High=50.0%, Very High=0.0%  
Back: Low=0.0%, Medium=0.0%, High=0.0%, Very High=0.0%  
Uplight: Low=0.0%, High=0.0%  
BIA0 Rating: 82-U1-02

Photometrics: 120 Watt Roadway, Type II

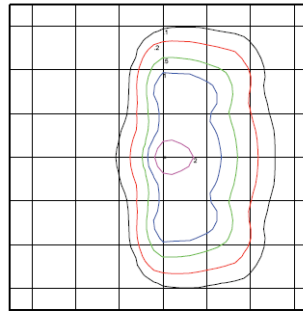
Catalog Number: SCHX5/120-43/PAL/T2/277/LG  
LTL Test # 18533



Maximum Candela = 12074 Located At Horizontal Angle = 60.1, Vertical Angle = 67.5  
# 1 - Vertical Plane Through Horizontal Angles (60.1 - 200.1) Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)



Percent Luminaire Lumens:  
Front: Low=1.0%, Medium=34.0%, High=57.0%, Very High=1.0%  
Back: Low=0.0%, Medium=7.0%, High=0.0%, Very High=0.0%  
Uplight: Low=0.0%, High=0.0%  
BIA0 Rating: 82-U1-02



Horizontal Footcandles  
Scale: 1 inch = 20 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = N.A. (Outside photometry)  
Luminaire Lumens = 8613  
Mounting Height = 20.00 Ft.  
Maximum Calculated Value = 3.00 Fc  
Arrangement: Single