

Luminaire Schedule					Lighting Schedule			
Symbol	Qty	Label	Tag	Description	LLF	Lum. Watts	Lumens per Fixture	
	5	LSWF1C1UNV - 18000LM 4000K	E1	Lumen Select Wall Pack Full -cutoff, 120-277V, 18000lm, 150W, 80CRI, 4000K	0.935	150	1891	
	2	LSWF1C1UNV - 15000LM 4000K	E1	Lumen Select Wall Pack Full -cutoff, 120-277V, 15000lm, 111W, 80CRI, 4000K	0.935	111	14987	
	1	LSWF1C1UNV - 12000LM 4000K	E2	Lumen Select Wall Pack Full -cutoff, 120-277V, 12000lm, 83W, 80CRI, 4000K	0.935	83	1173	
	9	LSWF1B1UNV - 6000LM 4000K	E3	Lumen Select Wall Pack Full -cutoff, 120-277V, 6000lm, 45W, 80CRI, 4000K	0.935	45	6145	
	4	IAHP1D1xxxFD840xxT4 WM	F	ISON LED Area Light High Performance Gen 1, 180W, 31000 Lumens, 80CRI, 4000K, Ty	0.935	1759	28329	
	8	IAHP1B1xxxFD840xxT3 WM	F1	ISON LED Area Light High Performance Gen 1, 113W, 19000 Lumens, 80CRI, 4000K, Ty	0.935	1111	18191	
	5	IAHP1D1xxxFD840xxT4 SF	G2	ISON LED Area Light High Performance Gen 1, 180W, 31000 Lumens, 80CRI, 4000K, Ty	0.935	1759	28329	
	2	IAHP1A1xxxFD840xxT3 SP	OA1	ISON LED Area Light High Performance Gen 1, 75W, 13000 Lumens, 80CRI, 4000K, Typ	0.935	7637	12588	
	3	IAHP1A1xxxFDx40xxT3-BLS SP	OA1A	ISON LED Area Light High Performance Gen 1, 75W, 13000 Lumens, 4000K, Type II,	0.935	73759	12387	
	7	IAHP1B1xxxFDx40xxT3-BLS SP	OB1	ISON LED Area Light High Performance Gen 1, 113W, 19000 Lumens, 4000K, Type II,	0.935	11274	18115	
	4	IAHP1B1xxxFD840xxT4 DP	OB2	ISON LED Area Light High Performance Gen 1, 113W, 19000 Lumens, 80CRI, 4000K, Ty	0.935	1111	17518	
	1	IAHP1C1xxxFD840xxT4 SP	OC1	ISON LED Area Light High Performance Gen 1, 143W, 23000 Lumens, 80CRI, 4000K, Ty	0.935	1389	21294	
	1	IAHP1C1xxxFD840xxT4 DP	OC2	ISON LED Area Light High Performance Gen 1, 143W, 23000 Lumens, 80CRI, 4000K, Ty	0.935	1389	21294	
	4	IAHP1C1xxxFD840xxT5 QP	OC4	ISON LED Area Light High Performance Gen 1, 143W, 23000 Lumens, 80CRI, 4000K, Ty	0.935	1389	22186	
	4	IAHP1D1xxxFD840xxT4 SP	OD1	ISON LED Area Light High Performance Gen 1, 180W, 31000 Lumens, 80CRI, 4000K, Ty	0.935	1759	28329	
	1	IAHP1D1xxxFD840xxT4 DP B2B	OD2	ISON LED Area Light High Performance Gen 1, 180W, 31000 Lumens, 80CRI, 4000K, Ty	0.935	1759	28329	
	11	VTON2406LUNVFD840LAFGSS	VT1	VTON 2x4 6000 Lumens 120-277 Full Dimming 80CRI 4000K Lens Acrylic Frosted Gen	0.935	4091428	6828	

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	FC Requirements	
Building Drive Aisle	Illuminance	Fc	4.68	13.04	0.61	7.67	21.38	2-2.5 FC avg.	
Building Security Zone Lvl 1-3	Illuminance	Fc	9.22	19.07	3.60	2.56	5.30	5 FC avg. 0.8 FC min.	
Contractor Canopy	Illuminance	Fc	11.70	14.4	8.5	1.38	1.69	10 FC avg. 15 FC max. 2FCmin	
Front Apron	Illuminance	Fc	10.33	14.98	5.95	1.74	2.52	10 FC avg.	
Frontage Entry Drive	Illuminance	Fc	3.36	12.47	0.88	3.82	14.17	2-2.5 FC avg.	
Garden Center Apron	Illuminance	Fc	7.81	14.83	4.17	1.87	3.56	8 FC min.	
Lumber Loading	Illuminance	Fc	9.46	13.71	5.22	1.81	2.63	10 FC avg.	
Main Entry Awning	Illuminance	Fc	11.62	14.3	9.9	1.17	1.44	10 FC avg. 15 FC max. 2FCmin	
Parking Area	Illuminance	Fc	3.18	12.54	0.74	4.30	16.95	2-2.5 FC avg.	
Property Line	Illuminance	Fc	0.61	5.08	0.05	12.20	101.60	0.5 FC max. COM. / 0.2 FC max. RES.	
Truck Apron	Illuminance	Fc	7.58	14.0	2.8	2.71	5.00	20 FC avg.	

<b>LPD Area Summary</b>			
<b>Label</b>	<b>Area</b>	<b>Total Watts</b>	<b>LPD</b>
Exterior LPD	316192	9902.984	0.031

# Hours of Operation

Mon - Sat. 6am - 10pm  
Sun. 8am - 9pm

# ORION

## ISON™ AREA LIGHT HIGH PERFORMANCE, GEN 1

### IAHPI

**Applications**  
The ISON IAHPI industry leading lumen per watt performance maximizes energy savings and leads to the lowest total cost of ownership for exterior lighting. The ISON Area Light High Performance provides uniform distribution for area and site lighting in retail, commercial, and residential applications including driveways and parking areas. Replaces up to 1200W HID industrial fixtures.



IAHPI1UNVFD840BRT3-SP

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	

**UL CERTIFIED** **UL WET RATED** **IP65 IP67**  
**IK10 Rated** **ida** **TITLE 24** **3G Vibration Rating** **DLC LISTED PREMIUM**

### Construction & Design

- Type III, IV, and Type V light distributions
- 13,000 to 63,000 lumens
- Precision engineered lens made of optical grade polycarbonate for maximum light intensity
- Tool-less access to electrical components for field maintenance and installation
- Eight lumen packages offered across three fixture sizes
- Anti-corrosion stainless steel hardware
- Heavy duty one piece die-cast aluminum housing with external heatsink for optimal thermal management
- Fixture comes standard in bronze. Black and white fixture housing available

### Additional Options

- Multiple mounting options
- Light shield kit options

### Electrical

- Available in 120v-277v and 277v-480v
- Factory wired for full dimming [0-10v]
- 10kV/5kA Surge Protection standard. 20kV/10kA surge protection available
- Optional 12v DC auxiliary power provided with 7-pin NEMA receptacle
- Power Factor > .90\*
- Total Harmonic Distortion < 20%\*

\*Note: Varies based on option

### Control and Sensor Options

- Factory installed 7-pin photocell receptacle for field installation of photocell
- Photo control and occupancy sensor options
- Field or factory installed control and sensor options
- Remote Programming Sensors
- Onsite Network Programming Controls
- Internet/Cloud Based Network Programming Controls

### Lumen Maintenance

See Lumen Maintenance Table on page 2

### Fixture Certification & Listings

- UL/cUL Listed for Wet Locations
- RoHS Compliant Components
- IK10 Impact Rating
- Fixture is IP67 Rated
- Fixture with Sensor is IP65 Rated
- 3.0 G Vibration load rating per ANSI C136.31
- Dark Sky Approved. 3000K CCT with fixed mounts only
- Title 24 Compliancy when using optional sensor
- DesignLights Consortium premium qualified product
- Visit the [DLC QPL](#) for listed models

### Warranty

See Orion's [Product Limited Warranty](#) for more details and information

# ORION

## HARRIS LUMEN SELECT WALL PACK, FULL CUTOFF, GEN 1

### LSWF1

**Applications**  
Full cutoff light output is ideal for exterior walls, entrance ways, pathways and steps. The HARRIS LSWF1 delivers energy savings and reduced maintenance costs and ideally replace any existing traditional style HID wall packs with similar look and size. It is the ultimate flexible wall pack fixture with lumen output and color temperature selection at the point of installation.



LSWF1A1UNVFD8CSBR-SP

**FIELD ADJUSTABLE WATTAGE/LIGHT OUTPUT AND CCT**

### Features

- Die-cast aluminum housing with UV stabilized powder coat finish for harsh outdoor environments. Bronze fixture housing color is standard. Black and white fixture housing colors available.
- UV resistant polycarbonate lens
- Two fixture sizes with selectable power/lumens between 3,000-18,000 lumen outputs provide flexibility to adjust in the field
- 80 CRI minimum; CCT selectable between 3000K, 4000K or 5000K
- Latest generation of LED technology enables fixture to run at lower wattages resulting in additional energy savings
- Meets full cutoff requirements at 90° horizontal
- Battery back up option available [90 minutes; A1 lumen package only]
- Integrated photocell standard
- PIR and Microwave sensor options

### Electrical

- Available in 120v-277v
- 0-10v Continuous Dimming
- Power Factor >0.90
- Total Harmonic Distortion < 20%
- 10kV/5kA Surge Protection Standard

### Ambient Operating Range

See ambient operating table on page 2

### Fixture Certifications & Listings

- cUL/cULus Listed
- UL Wet Listed
- Dark Sky Compliant. 3000K must be selected to meet International Dark-Sky Association approval criteria
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

### Lumen Maintenance

See lumen maintenance table on page 2

### Warranty

See Orion's [Product Limited Warranty](#) for more details and information

**Orion** | APOLLO® VAPORTIGHT NARROW BODY, GEN 2

## VTON2

**Applications**  
Durable, versatile high bay fixture suitable for demanding environments that require a watertight seal such as food-processing facilities, milking parlor, wash down applications, and cooler/freezer environments.

**Project Name:** \_\_\_\_\_

**Catalog Number:** \_\_\_\_\_

**Type:** \_\_\_\_\_

**Note:** \_\_\_\_\_

**Date:** \_\_\_\_\_

  
VTON2406LUNVFD850LAFGHWSSP

  
  
**IP65**

**IP66** **IP67**   


### Construction & Design

- Durable, lightweight, white UL 5VA reinforced fiberglass body
- Stainless steel 316 marine grade latches are standard, stainless steel mounting brackets included with fixture purchase
- Available in 4' and 8'
- Acrylic, impact resistant, linear ribbed frosted lens
- Various lumen outputs to meet required light levels

### Additional Options

- Cold Temperature option
- Multiple mounting methods for compatibility in most environments
- Factory installed Battery Back Up available in 10w and 20w, Certified in CA Title 20

### Electrical

- Available in 120v-277v, 347v, and 480v
- Hardwire power connection standard with other power connections available
- 20kV/10kA surge protection available
- Power Factor > .90\*
- Total Harmonic Distortion < 20%\*

\*Note: Varies based on option

### Control and Sensor Options

- Factory installed control and sensor options
- Manual Programming Sensors
- Remote Programming Sensors

### Lumen Maintenance

See lumen maintenance table on page 2

### Fixture Certification & Listings

- UL/cUL Listed for Wet Locations
- UL 5VA [1] fiberglass housing
- IP67
- IP66 when using WSxx and WBxx sensors
- IP65 when using WWxx sensor
- NEMA 4X Housing
- High pressure washdown up to 1500 PSI
- DesignLights Consortium™ Standard qualified luminaire
- Visit the [DLC QPL](#) for listed models

### Warranty

See Orion's [Product Limited Warranty](#) for more details and information

Consistent with LEED® goals  
& Green Glass® criteria  
for light pollution reduction

# Autobahn Series ATB2

## Roadway Lighting

### PRODUCT OVERVIEW

### Applications:

Roadways  
Off ramps  
Residential streets  
Parking lots

### DIMENSIONS

Effective Projected Area (EPA)  
The EPA for the ATB2 is 0.78 sq. ft.  
Approx. Wt. = 21 lbs. (9.53 kg)

### STANDARDS

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/DPL](http://www.designlights.org/DPL) to confirm which versions are qualified.

Color temperatures of  $\leq 3000K$  must be specified for International Dark-Sky Association certification.

Rated for  $-40^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ambient.

CSA Certified to U.S. and Canadian standards.

Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

**GOVERNMENT PROCUREMENT — BAA – Buy American** [n] Product with the BAA option qualifies as a domestic and product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

**BABA – Build America Buy America**: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

Note: Specifications subject to change without notice.

Autobahn Series – AEL\_0109\_ATB2

### Features:

#### OPTICAL

The Autobahn's new molded silicone optics provide exceptional performance. Silicone optics are superior to other polymeric materials in the areas of; optical efficiency, thermal performance, and reduction in dirt accumulation, all of which can lead to long term lumen degradation and a shift in optical distribution. Also, because silicone allows for the molding of fine details as well as thick sections, it produces the most crisp, clean and well-defined lighting distributions available. Silicone optics paired with modern LED's allow the Autobahn to take full advantage of both technologies.

**Same Light:** Performance is comparable to 400-1000W HPS roadway luminaires.

**White Light:** Correlated color temperature - 4000K, or optional 2700K, 3000K or 5000K, all 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict back light to within sidewalk depth, providing optimal application coverage and optimal pole spacing.

Available in Type II, III, IIII, IV, & V roadway distributions.

#### ELECTRICAL

**Expected Life:** LED light engines are rated  $>100,000$  hours at  $25^{\circ}\text{C}$ , L70. Electronic driver has an expected life of 100,000 hours at a  $25^{\circ}\text{C}$  ambient.

**Lower Energy:** Saves an average of 40-60% over comparable HPS platforms.

**Robust Surge Protection:** Two different surge protection options provide a minimum of ANSI C136.2 10kV/5kA protection. 20kV/10kA protection is also available.

Luminaire ships with a 0-10v dimmable driver. Luminaire is continuous and step dimming capable via A0 option or controls installed on P7 photocontrol receptacle option.

#### MECHANICAL

**Easy to Maintain:** Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easy leveling at installation.

Rugged die-cast aluminum housing is polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 7 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Four-bolt mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter and provides a 3G vibration rating per ANSI C136.31.

Wildlife shield is cast into the housing (not a separate piece).

#### CONTROLS

NEMA 3 Pin photocontrol receptacle is standard, with the Acuity designed ANSI 7 Pin receptacle optionally available.

Premium solid state locking sale photocontrol - PCSS (10 year rated life). Extreme long life solid state locking style photocontrol - PCLL (20 year rated life).

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and can also allow a single fixture to be flexibly applied in many different applications.

# **SUMMARY & NOTES**

# **IMPORTANT**

(1) GENERAL NOTES  
CONFIDENTIAL INFORMATION Please Note: This data is based upon certain specific assumed reflectances and characteristics of the proposed environment. Any deviation from these reflectances or assumed characteristics may affect the actual performance of the luminaries. Based on the factors, Orion Energy Systems, Inc. can not guarantee these results.

2) NO OBJECTS CONSIDERED IN CALCULATIONS UNLESS OTHERWISE NOTED ON THE PRINT.

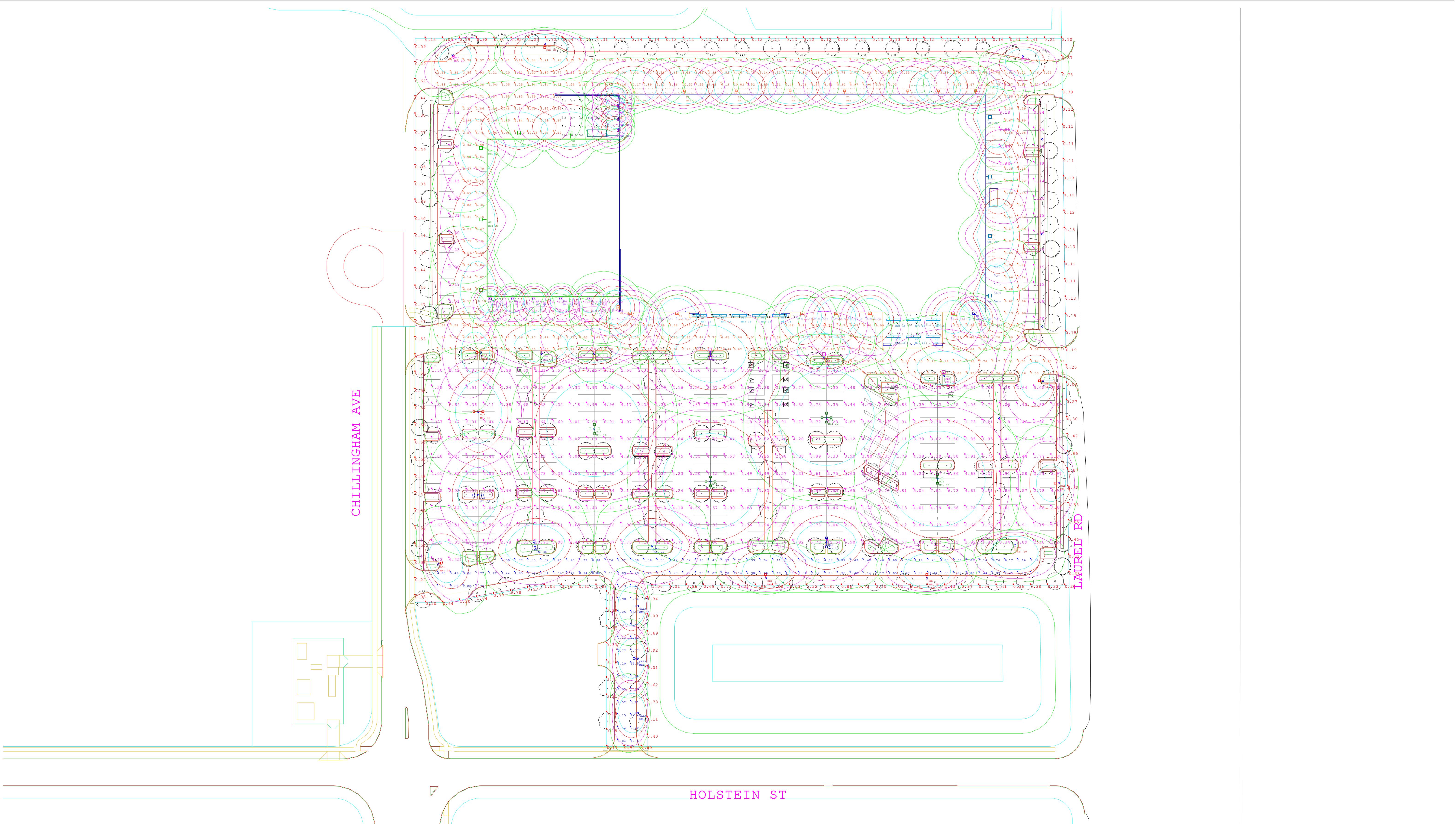
3) STANDARD REFLECTION VALUES  
CEILING: .8  
WALLS: .5  
FLOOR: .2  
RACKING: .5

4) EXISTING CONTRIBUTING LIGHTING NOT

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THD New Construction EXTERIOR			
DRAWING	DATE	DRAWN BY	REVIEWED BY
REV 0	07/10/25	ABH	MF
REV 1	07/25/25	ABH	MF
REV 2	07/31/25	ABH	MF
REV 3	08/05/25	ABH	MF



# AREA LAYOUT

## IMPORTANT

1.) Presentation plans only. Not for construction use.

(1) GENERAL NOTES  
 CONFIDENTIAL INFORMATION Please Note: This data is based upon certain specific assumed reflectances and characteristics of the proposed environment. Any deviation from these reflectances or assumed characteristics may affect the actual performance of the luminaries. Based on the factors, Orion Energy Systems, Inc. can not guarantee these results.

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 (3) STANDARD REFLECTION VALUES  
 CEILING: .8  
 WALLS: .5  
 FLOOR: .2  
 RACKS: .5  
 EXISTING CONTRIBUTING LIGHTING NOT ACCOUNTED FOR IN THIS PHOTOMETRIC.

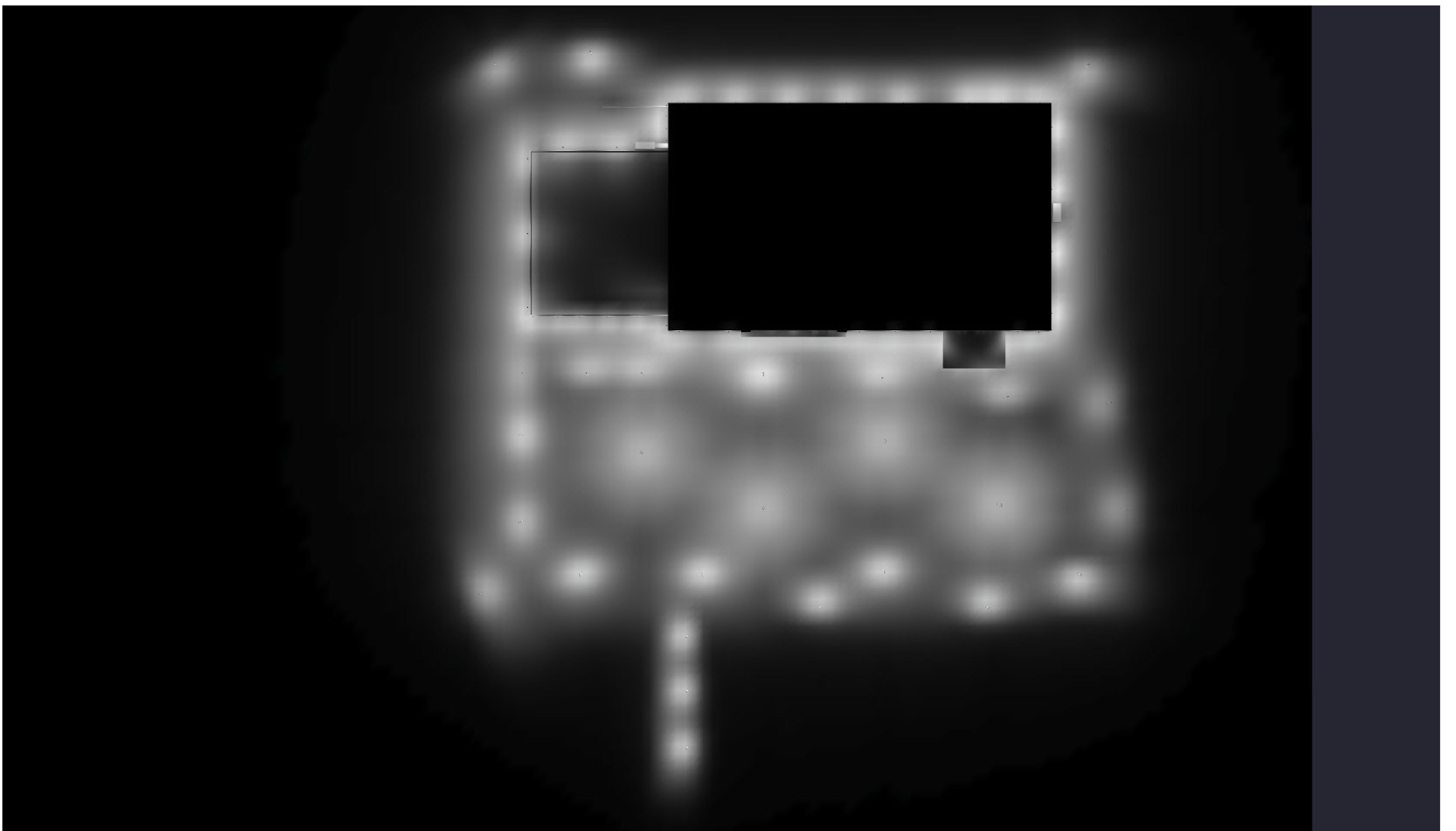
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REV 2	07/31/25	ABH	MF
REV 3	08/05/25	ABH	MF



# RENDERING

Page 3 of 3

## IMPORTANT

1.) Presentation plans only. Not for construction use.

(1) GENERAL NOTES  
CONFIDENTIAL INFORMATION Please Note: This data is based upon certain specific assumed reflectances and characteristics of the proposed environment. Any deviation from these reflectances or assumed characteristics may affect the actual performance of the luminaires. Based on the factors, Orion Energy Systems, Inc. can not guarantee these results.

2) NO OBJECTS CONSIDERED IN CALCULATIONS UNLESS OTHERWISE NOTED ON THE PRINT.

3) STANDARD REFLECTION VALUES  
CEILING: .8  
WALLS: .5  
FLOOR: .2  
RACKS: .5  
4) EXISTING CONTRIBUTING LIGHTING NOT ACCOUNTED FOR IN THIS PHOTOMETRIC.

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REV 2	07/31/25	ABH	MF
REV 3	08/05/25	ABH	MF