

CTA LIGHTING & CONTROLS  
908C West River Center Dr  
Comstock Park, MI 49321  
616.647.2400  
www.cta-lc.com

PHOTOMETRIC EVALUATION  
NOT FOR CONSTRUCTION  
Based on the information provided, all dimensions and luminaire locations represent a recommended application. The engineer assumes no responsibility for the accuracy of the layout regarding existing or future field conditions.

This lighting layout represents illumination levels calculated using laboratory data taken under controlled conditions in accordance with the Illuminating Engineering Society (IES) method. Actual performance of a manufacturer's luminaire may vary due to site-specific conditions such as buildings, trees, and other field conditions. Calculations may not include obstructions such as buildings, curbs, landscaping, or other architectural elements. Dimensions are approximate and are not to be used for hardware or poles. This layout is for photometric evaluation purposes only and should not be used as a construction document or the final document for ordering products.

DESIGNED FOR :

 Roosien & Assoc. PLLC  
SURVEYING AND ENGINEERING

## IRONWOOD

SALES  
QUOTES

DATE  
12.9.2025

DESIGNER  
J YONKERS

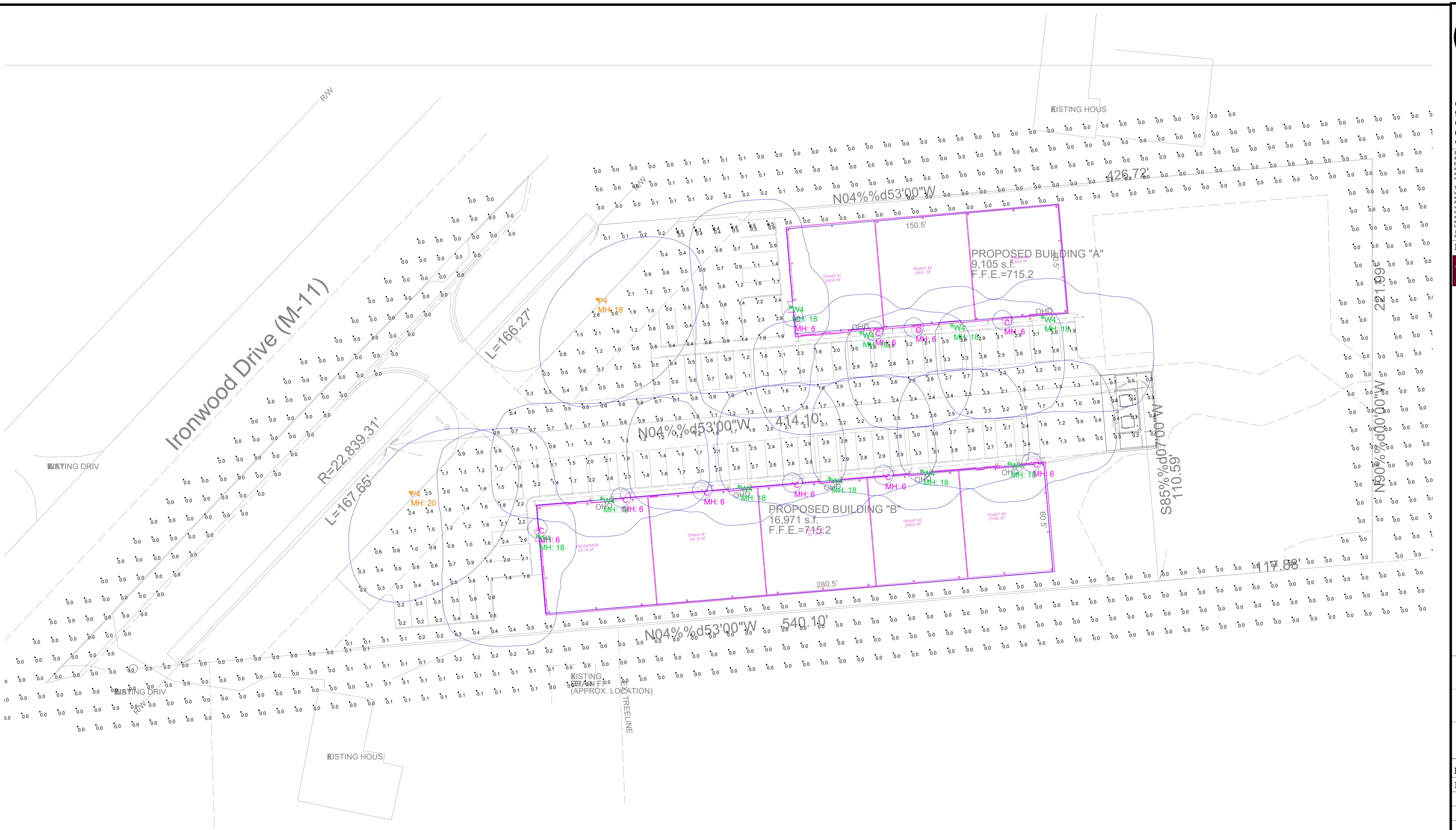
REVISIONS  
DATE NAME  
1.2.2026 ROOSIEN  
1.28.2026 ROOSIEN

SHEET

1

## PHOTOMETRIC PLAN

SCALE: NTS



Luminaire Schedule										
Scenario: GEN										
SYMBOL	QTY	LABEL	ARRANGMENT	LLF	[MANUFAC]	DESCRIPTION	MNT HEIGHT	MNT TYPE	TLWATTS	LUMENS
	10	C	Single	0.921	COOPER - HALO	CYLNDR20CLD2D	6	WALL	200	1970
	2	P4	Single	0.921	eLEDing	EE860W-SHRC50	18, 20	POLE	96	814
	10	W4	Single	0.921	COOPER - LUMARK	PRV-PA1A-740-U-T4W-WM	18	WALL	540	744

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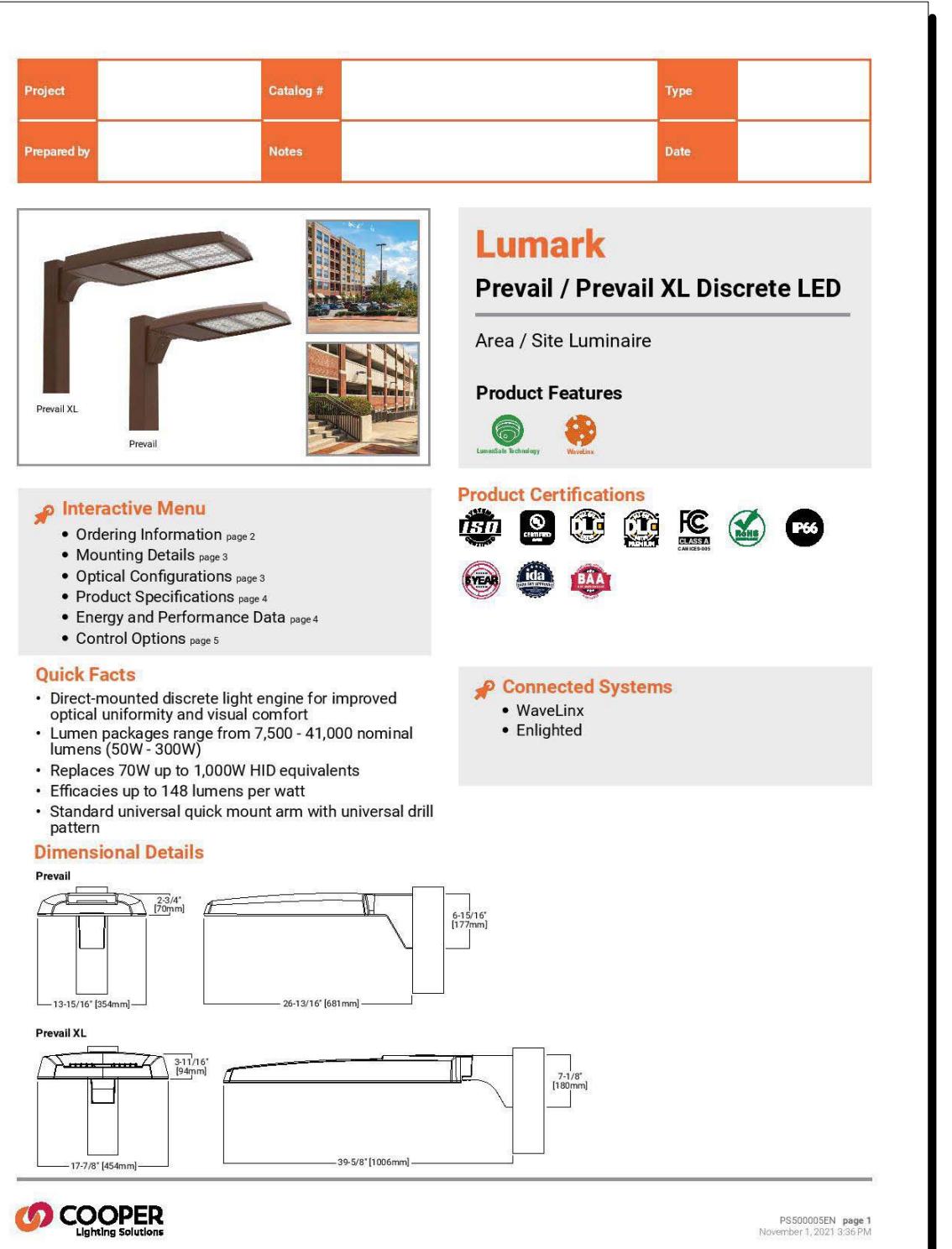
This lighting layout represents illumination levels calculated using laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved method. Actual performance of a manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in LEDs, and other field conditions. Calculations may not include obstructions such as buildings, curbs, landscaping, or other architectural elements. Fixture nomenclature may not include mounting hardware or poles. This layout is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

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SURVEYING AND ENGINEERING

Calculation Summary							
Scenario: GEN							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LIGHT TRESPASS	Illuminance	Fc	0.01	0.2	0.0	N.A.	N.A.
PARKING LOT	Illuminance	Fc	1.51	3.6	0.1	15.10	36.00
PROPERTY LINE	Illuminance	Fc	0.05	0.5	0.0	N.A.	N.A.

NOTES:  
- CALC AT GRADE



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# SCHEDULES