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MTG. HT.

## NOTE:

- ALL AREA LIGHTS ON NEW 15 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE - ALL AREA LIGHT LOCATIONS PROVIDED BY OTHERS

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES										
AVG	MAX	MIN	AVG/MIN	MAX/MIN						
7.24	36.0	0.8	9.05	45.00						
0.93	17.4	0.0	N.A.	N.A.						
67.19	81	48	1.40	1.69						
	AVG 7.24 0.93	AVG MAX 7.24 36.0 0.93 17.4	AVG         MAX         MIN           7.24         36.0         0.8           0.93         17.4         0.0	AVG         MAX         MIN         AVG/MIN           7.24         36.0         0.8         9.05           0.93         17.4         0.0         N.A.						

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	2	A3-2	BACK-BACK	16100	1.040	B3-U0-G3	104	416	Cree Lighting	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX
	3	A3B	SINGLE	12699	1.040	B2-U0-G2	104	312	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX + OSQ-BLSMF
	1	A4	SINGLE	16098	1.040	B3-U0-G3	104	104	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-4M-UL-NM-XX
	4	A4B	SINGLE	12349	1.040	B2-U0-G2	104	416	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-4M-UL-NM-XX + OSQ-BLSMF
	24	CAN	SINGLE	20332	1.040	B4-U0-G1	145.15	3483.6	Cree Inc	CPY250-B-DM-F-E-UL-XX-57K
$\odot$	9	L	SINGLE	1800	1.040	B1-U0-G0	20.5	184.5	Cree Lighting	LR6X-18L-40K-120V
>	12	WP	SINGLE	8543	1.040	B2-U0-G2	70.56	846.72	Cree Inc	XSPW-B-WM-3ME-8L-40K-UL-XX

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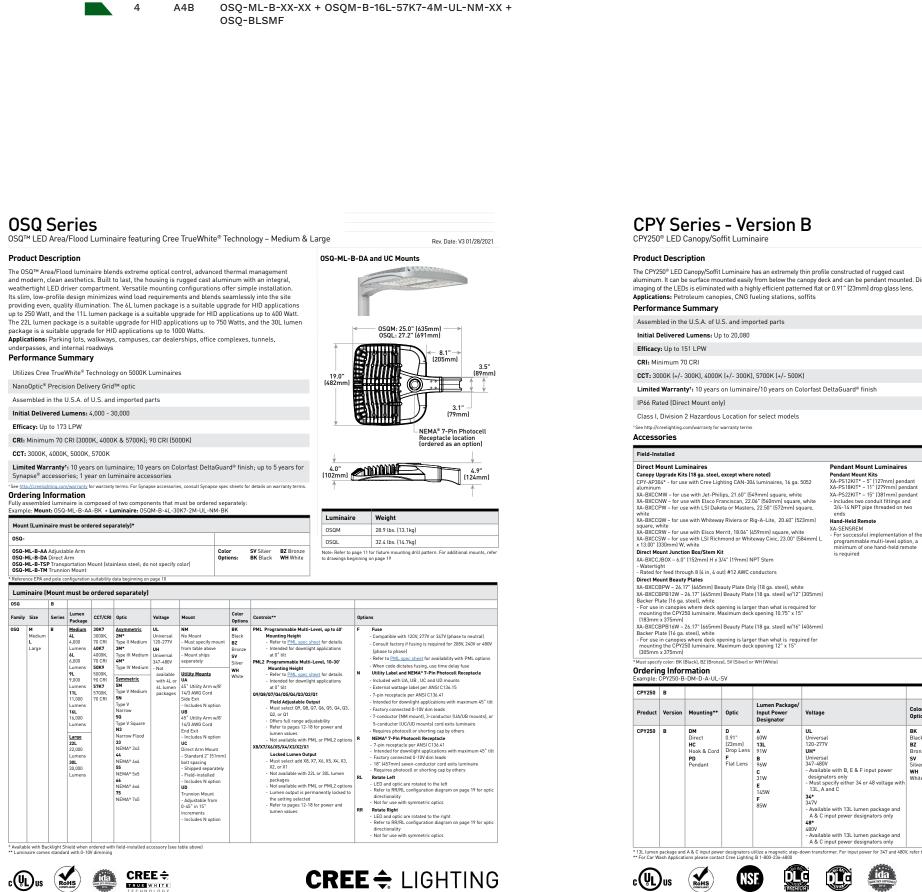
SCALE: LAYOUT BY: 1" = 30' FNE DWG SIZE: DATE: 4/9/21 D

CIRCLE K OTTAWA, ON RL-7298-S1-R1





DESCRIPTION REVISED AREA LIGHT LOCATIONS TO GET BETTER LIGHTING AT ENTRANCES & REDUCE AMOUNT OF POLES

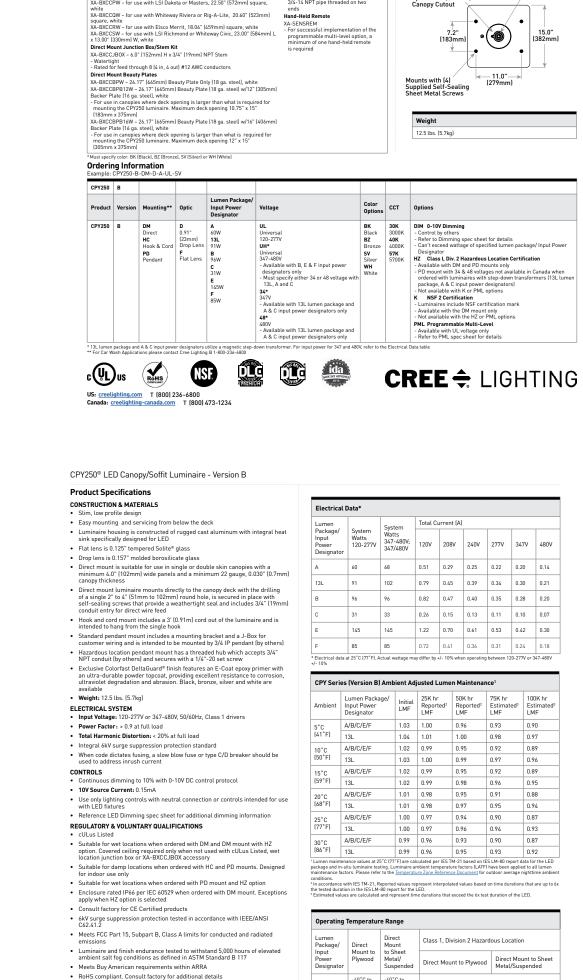


QTY LABEL DESCRIPTION

AREA 2 A3-2 OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX

A3B OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX +

A4 OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-4M-UL-NM-XX



Class I, Division 2 Hazardous Location rated when ordered with the DM or PD mount and the H2 option. A & C input power designators are available for DM and PD mounts except PD mount with 34 & 48 voltages in Canada. Not available with K or PML options. Rated for Groups A, B, C & D. Bears a 130 (160°C) temperature classification within a 25°C ambient

NSF Certified when ordered with DM mount and K option. Not available with HZ or PML options. Refer to http://info.nsf.org/Certified/Food/ for additional

DLC and DLC Premium qualified versions available. Please refer to https://

Dark Sky Friendly, IDA Approved when ordered with 30K CCT and Flat Lens (F). Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/ for most current information

CA RESIDENTS WARNING: Cancer and Reproductive Harm –

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-40°C to -40°C to +35°C +40°C

-40°C to -40°C to +45°C

 $\textbf{WARNING:} \ \textbf{Exceeding maximum operating temperature may result in thermal foldback}$ 

CREE \$ LIGHTING

QTY LABEL DESCRIPTION

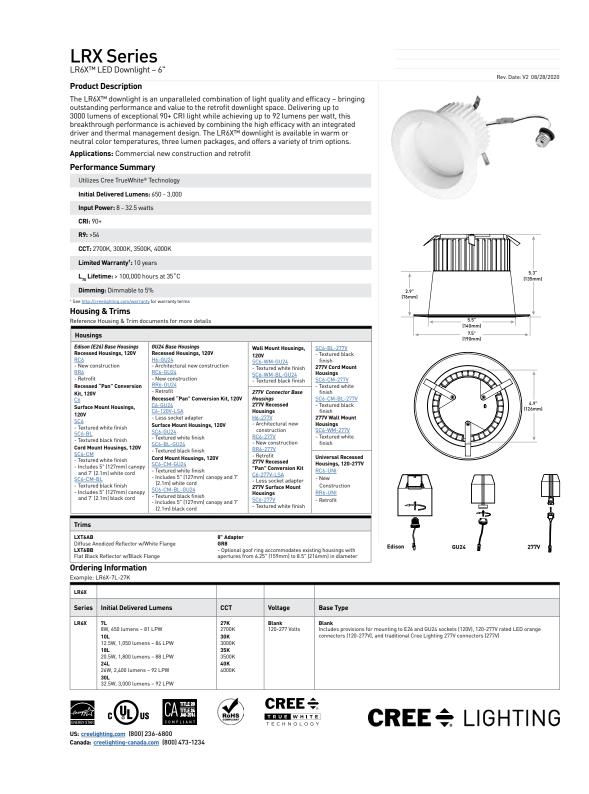
24 CAN CPY250-B-DM-F-E-UL-XX-57K

Pendant Mount Luminaires

Includes two conduit fittings and 3/4-14 NPT pipe threaded on two

Rev. Date: V17 11/18/2020

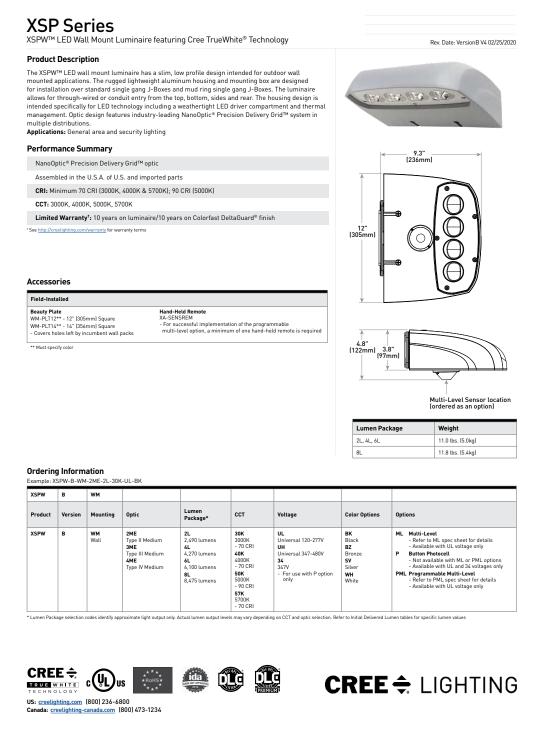
DM Mount



QTY LABEL DESCRIPTION

9 L LR6X-18L-40K-120V

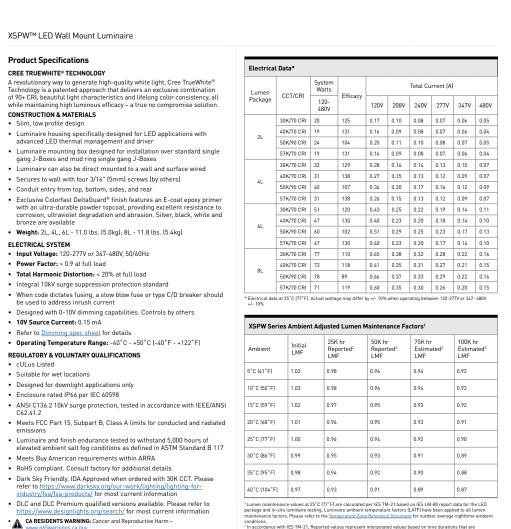
roduct Specifications	Electrical Data*									
REE TRUEWHITE® TECHNOLOGY										
revolutionary way to generate high-quality white light, Cree TrueWhite® chnology is a patented approach that delivers an exclusive combination 9th- CRI, beautiful light characteristics and lifelong color consistency, all hile maintaining high luminous efficacy – a true no compromise solution.	Lumen Package	System Watts 120-277V	Total Cui		08V	240V	277V			
ONSTRUCTION & MATERIALS  Durable aluminum housing protects the light source. Adjustable flip clips provide robust retention for flush ceiling fit	7L	8	0.08		.05	0.04	0.04			
Thermal management system uses integral heat sink to conduct heat away from LEDs for optimal performance. LED junction temperatures	18L				.11	0.09	0.08			
stay below specified maximum even when installed in with worst case nstallations	24L	26	0.23		.13	0.11	0.10			
Suitable for insulated and non-insulated ceilings	30L	32.5	0.26	0	.16	0.14	0.12			
Ine-piece aluminum lower reflector redirects light while also onducting heat away from LEDs. It creates a comfortable visual ransition from the lens to the ceiling plane and easily accommodates XT6 snap-in trims	* Electrical data	at 25°C (77°F). Acti	ial wattage ma	ay differ by +	/- 10% when oper	ating between 120-27	77V +/- 10%			
·	LRX (LR6X	) Series Ambi	ent Adjust	ed Lume	n Maintenan	:e¹				
TICAL SYSTEM Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation, hot spots and minimizing glare	Ambient	Lumen Package	Initial LMF	25K hr Reporte LMF	50K hr Reporte	75K hr Estimated³ LMF	100K hr Estimated LMF			
Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal	0°C (32°F)	All	1.03	1.00	0.97	0.95	0.93			
mount of light on walls and vertical surfaces. This increases the erception of spaciousness	5°C (41°F)	All	1.03	1.00	0.97	0.95	0.93			
ep set polycarbonate diffusing lens shields direct view of LEDs and	10°C (50°F)	All	1.02	0.99	0.96	0.94	0.92			
ovides greater visual cut-off	15°C (59°F)	All	1.01	0.98	0.95	0.93	0.91			
CTRICAL SYSTEM		7L-24L	1.01	0.98	0.95	0.93	0.91			
ntegral, high-efficiency driver and power supply	20°C (68°F)		-				-			
Power Factor: > 0.9 (120V)		30L	1.01	0.96	0.92	0.89	0.85			
Total Harmonic Distortion: < 20% (120V)	25°C (77°F)	7L-24L	1.00	0.97	0.95	0.92	0.90			
Input Voltage: 120V - 277V Universal, 50/60Hz	25 C [// F]	30L	1.00	0.95	0.91	0.88	0.84			
120V is dimmable to 5% with most incandescent dimmers		71 -181	0.99	0.96	0.94	0.91	0.89			
277V is dimmable to 5% with most trailing edge dimmers	30°C (86°F)		0.77	0.93	0.88	0.83	0.79			
eference https://www.creelighting.com/products/indoor/retrofit-down- ghts/lrx-series for recommended dimmers		24L-30L	+							
perating Temperature Range: -25°C - +35°C (-13°F - +95°F);	35°C (95°F)	7L-18L	0.99	0.96	0.94	0.91	0.89			
For 24L and 30L: -25°C - +30°C (-13°F - +86°F)  BULATORY & VOLUNTARY QUALIFICATIONS  ULus Classified  Suitable for wet locations for covered ceilings only  ENERGY STAR® certified. Please refer to <a href="https://www.energystar.gov/productfinder/product/certified-light-instrures/">https://www.energystar.gov/productfinder/product/certified-light-instrures/</a> results	package and in- maintenance fa <sup>2</sup> In accordance w up to 6x the test	situ luminaire test ctors. vith IES TM-21, Rep ted duration in the	ng. Luminaire orted values ri ES LM-80 repo	ambient ter epresent into ort for the LI	nperature factors erpolated values b ED.	on IES LM-80 report (LATF) have been app ased on time duratio x test duration of the	olied to all lumen			
Meets CA Title 24 JA8 Requirements	INSTAI	LLATION				_				
Meets CA Title 20 Appliance Regulations with the exception of 30L lumen backage	• Des	igned to easil								
leets FCC Part 15, Subpart B, Class B limits for conducted and radiated missions	min and	imum housin diameter of 5	g height of	6.5" (16	5mm) 📺		=			
ROHS Compliant. Consult factory for additional details  CA RESIDENTS WARNING: Cancer and Reproductive Harm –		mm)					***************************************			
CA RESIDENTS WARNING: Lancer and Reproductive Harm – www.p65warnings.ca.gov	rete to L	ck install syst ention feature .R6X. Move lig e into housing	Simply at ht to ready	tach soc	ket					



QTY LABEL DESCRIPTION

12 WP XSPW-B-WM-3ME-8L-40K-UL-XX

WALL MOUNTED



CREE 
LIGHTING US: creelighting.com [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

NOTE: Reference https://www.creelighting.com/products/indoor, retrofit-downlights/trx-series for detailed installation instruction

CREE & LIGHTING

ons.

cordance with IES TM-21, Reported values represent interpolated values based on time durations that are x the tested duration in the IES LM-80 report for the LED.



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**Product Specifications** 

CREE TRUEWHITE® TECHNOLOGY

CONSTRUCTION & MATERIALS

Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink

Convenient interlocking mounting method on direct arm and UC mounts.
Mounting adaptor is rugged die cast aluminum and mounts to 3" (78mm) or larger
square or round pole, secured by two 5/16-18 UND boths spaced on 2" (51mm) centers.
Refer to page 11 for fixture mounting drill pattern.
Mounting for the aditiestable symmetry of the space of the

square or round pole, secured by two 5/16-18 UNC botts spaced on 2" (51mm) centers. Refer to page 11 for future mounting drill pattern.

Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) 0.D. tenon. UA and UB mounts are preset to 45"

- Adjustable arm mount can be adjusted 180° in 2.5° increments. UA and UB mounts be field adjusted in 2.5° increments to a maximum tilt of  $45^\circ$ 

Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. UD mount is adjustable from 0-45° in 15° degree increments, and is factory preset to 45°. Trunnion mount secures to surface with (1) 3/4° bolt or [2] 1/2° or 3/8° bolt.

nounting arm through waterlight fitting (UA) or the end of the mounting arm (UB). UC mount includes 12" (305mm) 18/5 or 16/5 leads exiting the luminaire. UD mount includes 8 (12.4m) 14/3 cord exiting the luminaire.

Utility mounts (UA, UB, UC, UD) include Utility Label per ANSI C136.15 and 7-pin NEMA® Photocell Receptacle per ANSI C136.41

ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

 Weight

 Mount
 Housing Medium
 Large

 OSG-ML-B-AA
 28.4 lbs. [12.9kg]
 32.0 lbs. [14.5kg]

 OSG-ML-B-DA
 28.9 lbs. [13.1kg]
 32.4 lbs. [14.7kg]

 OSG-ML-B-TSP
 42.0 lbs. [19.1kg]
 46.0 lbs. [20.0kg]

 OSG-ML-B-TM
 32.6 lbs. [14.8kg]
 36.1 lbs. [15.0kg]

 UA
 29.5 lbs. [13.4kg]
 33.1 lbs. [15.0kg]

 UB
 29.5 lbs. [13.4kg]
 33.1 lbs. [15.0kg]

 UC
 28.9 lbs [13.1kg]
 32.4 lbs. [14.7kg]

 UD
 32.6 lbs. [14.8kg]
 36.1 lbs. [16.4kg]

ELECTRICAL SYSTEM

Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers

Power Factor: > 0.9 at full load

Total Harmonic Distortion: < 20% at full load

Designed with 0-10V dimming capabilities. Controls by others

REGULATORY & VOLUNTARY QUALIFICATIONS

When code dictates fusing, a slow blow fuse or type C/D breaker should be dress inrush current

Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

Product Specifications

Twist-Lock Lighting Controller TL7-B2

Simply-wave Central a base Saturul
CBSSW-450-0012 Controller [SS450-002] and
S-button switch
Indoor and Outdoor rated
Refer to CBSSW-450-002 spec sheet for details
Synapse Wireless Sensor
WSN-DPM
- Motion and light sensor
- Control multiple zones

SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-007 spec sheet for

- Refer to <u>\$5450-002</u> spec sheet for details Building Management System (BMS) Gateway BMS-GW-002 Required for BACnet integration - Refer to <u>BMS-GW-002</u> spec sheet for details Outdoor Antennas (Optional, for increased range, 8dB gain) KIT-ANTZ/DSM

KIT-ANT420SM
- Kit includes antenna, 20' cable and bracket
KIT-ANT360

KIT-ANT360

- Kit includes antenna, 30' cable and bracket KIT-ANT3600

- Kit includes antenna, 50' cable and bracket - Refer to <u>Outdoor antenna spec sheet</u> for details

CREE & LIGHTING

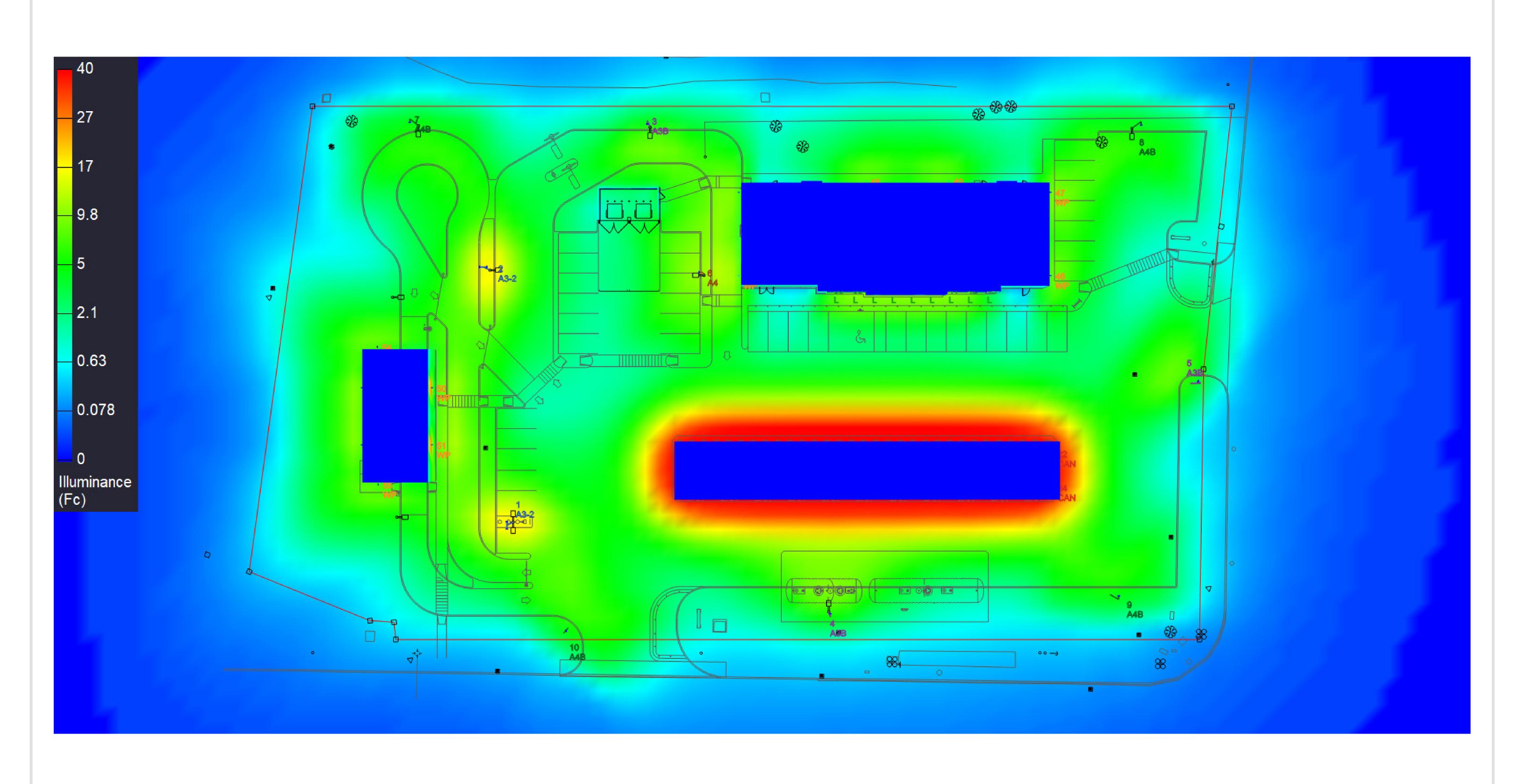
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ELECTRICAL SYSTEM

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> PROJECT NAME: CIRCLE K OTTAWA, ON DRAWING NUMBER: RL-7298-S1-R1



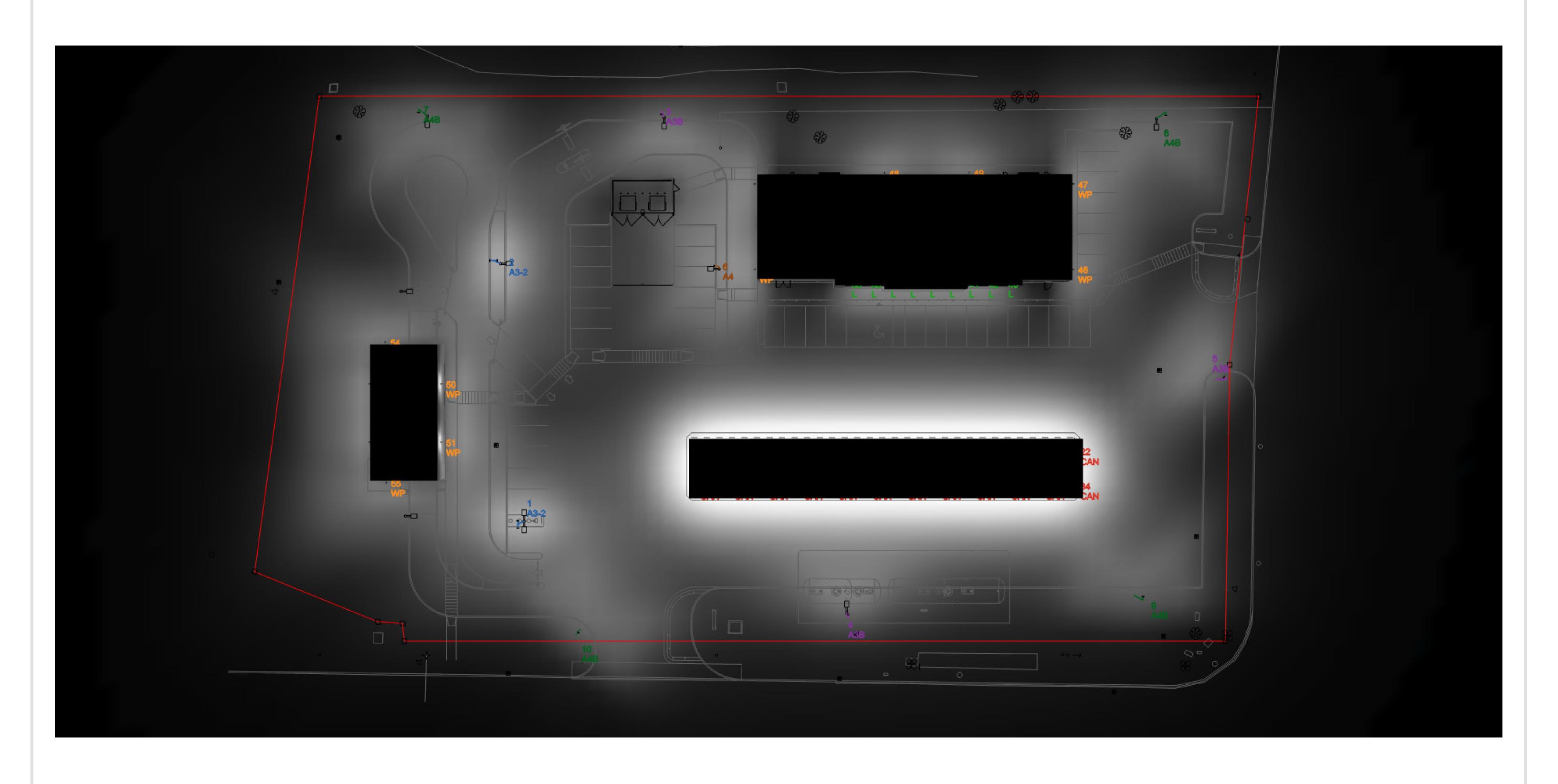




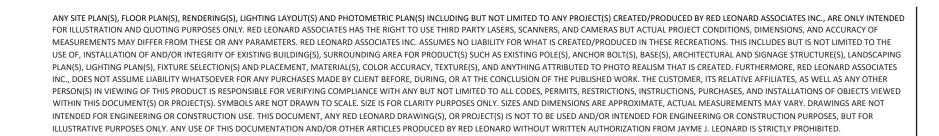
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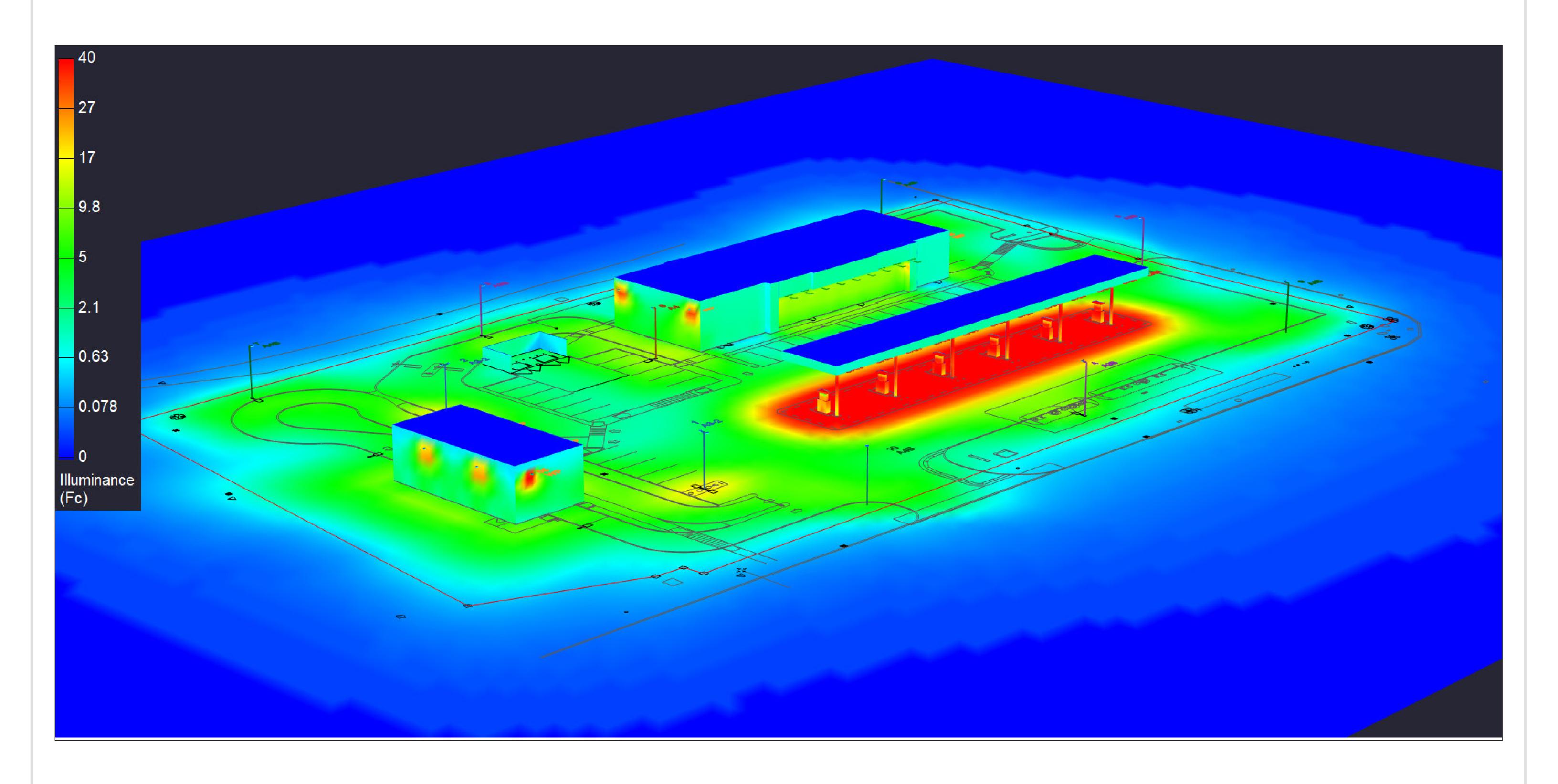




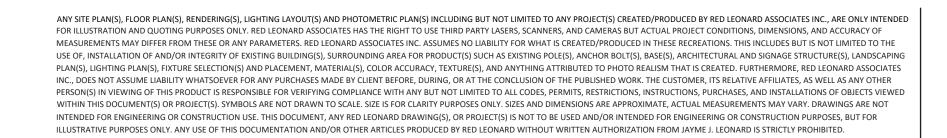












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