- POLE MOUNTED FIXTURES ARE MOUNTED ON A 20FT POLE ATOP A CONCRETE BASE.

LUMINAIRE L	ARY	
LUM NO.	LABEL	MTG. HT.
1	Α	23
2	A	23
3	A1	23
4	A2	23
5	A2	23
6	В	23
7	В	23
8	В	23
9	D	9
10	D	9
11	D	9
12	D	9
13	D	9
14	D	9
15	D	9
16	D	9
17	D	9
18	D	9

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	3.82	12.7	0.8	4.78	15.88
UNDEFINED AREA	1.03	19.5	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURE	CATALOG LOGIC
	2	A	SINGLE	13374	1.000	B3-U0-G2	85	170	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9
4	1	A1	2 @ 90 DEG	13374	1.000	B3-U0-G2	85	170	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9
	2	A2	BACK-BACK	13374	1.000	B3-U0-G2	85	340	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9
	3	В	SINGLE	12699	1.000	B2-U0-G2	104	312	Cree Inc	OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9 + OSQ-BLSMF
	10	D	SINGLE	6094	1.000	B1-U0-G2	46.95	469.5	Cree Inc	XSPW-B-WM-3ME-6L-40K-UL-XX

 $7^{+}3.5$ 3.5 2.3 1.5 0.8 0.4 0.2 0.1

 $\dot{3}.5$ $\dot{3}.6$ $\dot{5}.0$ $\dot{4}.9$ $\dot{3}.8$ $\dot{3}.5$ $\dot{2}.2$ $\dot{1}.2$ $\dot{0}.7$ $\dot{0}.4$ $\dot{0}.2$ $\dot{0}.1$

 $1 \quad 1.5 \quad 8.0 \quad 4.5 \quad 4.6 \quad 3.9 \quad 2.4 \quad 1.5 \quad 0.6 \quad 0.3 \quad 0.2 \quad 0.1 \quad 0.1 \quad 0.1$

19.5 8.2 3.4 3.0 2.4 1.4 0.7 0.3 0.2 0.1 0.1 0.1 0.1

∥	REDLEONARD ASSOCIATES
1340 Ker	mper Meadow Dr, Forest Park, OH 45240

513-574-9500 | redleonard.com

REV.	BY	DATE
R1	TAS	4/20/22

DESCRIPTION
ADDED 2 TYPE "D" FIXTURES
.

0.0 0.0 0.1 0.2 0.8 1/9 1.0 1.6 1.4

0.0 0.1 0.1 0.2 1.3 1.7 0.4 1.4 1.2 1.4

0.0 0.0 0.1 0.2 0.8 1.7 0.9 0.9 0.5 0.5

0.0 0.1 0.1 0.3 1.7

0.0 0.0

0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.1 0.0

0.0 0.0

 $\dot{0}$.0 $\dot{0}$.0 $\dot{0}$.1 $\dot{0}$.1 $\dot{0}$.2 $\dot{0}$.3 $\dot{0}$.5 $\dot{0}$.8 $\dot{0}$.8 $\dot{0}$.7 $\dot{0}$.4 $\dot{0}$.3 $\dot{0}$.4 $\dot{0}$.6 $\dot{0}$.7 $\dot{0}$.5 $\dot{0}$.4 $\dot{0}$.6 $\dot{0}$.7 $\dot{0}$.6 $\dot{0}$.7 $\dot{0}$.6 $\dot{0}$.7 $\dot{0}$.6 $\dot{0}$.7 $\dot{0}$.9 $\dot{0}$.0 \dot

 $\overset{1}{0}.0$ $\overset{1}{0}.0$ $\overset{1}{0}.0$ $\overset{1}{0}.0$ $\overset{1}{0}.0$ $\overset{1}{0}.1$ $\overset{1}{0}.1$ $\overset{1}{0}.1$ $\overset{1}{0}.1$ $\overset{1}{0}.0$ $\overset{1}$

 $\frac{1}{0}$.1 $\frac{1}{0}$.2 $\frac{1}{0}$.4 $\frac{1}{0}$.6 $\frac{1}{0}$.8 $\frac{1}{1}$.4 $\frac{1}{2}$.5 $\frac{1}{2}$.7 $\frac{1}{2}$.5 $\frac{1}{3}$.3 $\frac{1}{3}$.2 $\frac{1}{2}$.8 $\frac{1}{2}$.3 $\frac{1}{2}$.7 $\frac{1}{3}$.2 $\frac{1}{3}$.0 $\frac{1}{2}$.3 $\frac{1}{4}$.4 $\frac{1}{2}$.0 $\frac{1}{2}$.7 $\frac{1}{3}$.3 $\frac{1}{3}$.0 $\frac{1}{3}$.8 $\frac{1}{2}$.6 $\frac{1}{0}$.9 $\frac{1}{0}$.1 $\frac{1}{0}$.1 $\frac{1}{0}$.1 $\frac{1}{0}$.1 $\frac{1}{0}$.0 $\frac{1}$

NEW HALO CAR WASH

[†]3.0 [†]3.9 [†]3.9

1.8 3.7 5.0 5.6 7.2 6.7 6.7 6.9 3.5 2.6 2.5 1.3 0.6 0.3 0.2 0.1 0.1

1.7 1.3 1.3 1.8 1.5 1.5 1.2 1.1

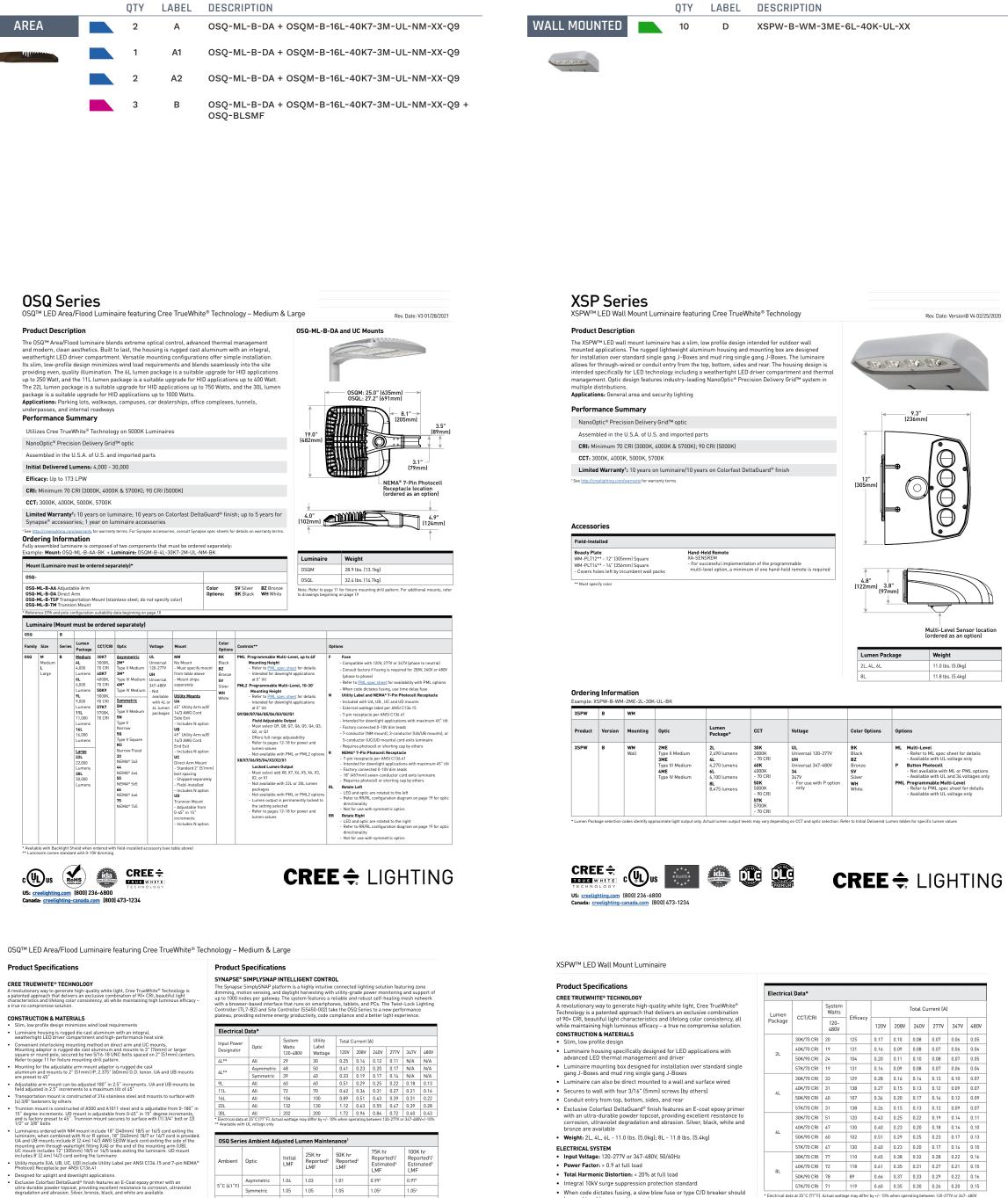
 $\begin{bmatrix} 0.0 & 0.0 & 0.1 & 0.2 \end{bmatrix} \begin{bmatrix} 0.3 & 0.5 & 0.7 & 0.9 & 1.0 & 1.2 & 1.3 & 1.2 & 1.0 & 0.9 & 0.9 & 0.8 & 0.8 & 0.8 & 0.8 & 0.8 & 0.8 & 0.8 & 0.5 & 0.5 & 0.6 & 1.0 & 1.8 & 1.6 & 1.4 & 1.6 & 1.2 & 1.2 & 1.2 & 1.2 & 0.7 & 0.4 & 0.2 & 0.7 & 0.8 &$

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SCALE: LAYOUT BY:
1" = 20' TAS

DWG SIZE: DATE:
D 4/19/22

HALO CARWASH BARRHAVEN, ON DRAWING NUMBER: RL-7978-S1-R1



	N/A
	N/A
	N/A
	0.13
	0.16
	0.22
	0.28
_	0.43
יש	/+/-10%
,	
۲ n	hr rted²/
m	ated3
-	
-	
_	

Integral 10kV surge suppression protection standard	Accessories					
 When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current 	Accessories Field-Installed	-				
 Designed with 0-10V dimming capabilities. Controls by others 						
Refer to Dimming spec sheet for details	Backlight Shield (Front Facing Optics)	Hand-Held Remote Shorting Cap				
Maximum 10V Source Current: 1.0mA	OSQ-BLSMF (Medium) OSQ-BLSLF (Large)	XA-SENSREM XA-XSLSHRT - For successful				
Operating Temperature Range: -40°C - +40°C (-40°F - +104°F)	Backlight Shield (Rotated Optics)	implementation of the				
	OSQ-BLSMR (Medium)	programmable multi-level				
REGULATORY & VOLUNTARY QUALIFICATIONS	OSQ-BLSLR (Large)	option, a minimum of one				
cULus Listed (UL1598)	Bird Spikes OSO-MED-BRDSPK	hand-held remote is required				
Suitable for wet locations	OSQ-LG-BRDSPK	required				
Meets NEMA C82.77 standards	Synapse Wireless Control Accessories					
Drivers and LEDs are UL Recognized in accordance with UL8750	Twist-Lock Lighting Controller	SimplySNAP On-Site Controller				
Enclosure rated IP66 per IEC 60529 when ordered without N or R options	TL7-B2	SS450-002				
Consult factory for CE Certified products	- Suitable for 120-277V (UL) voltage only	- Verizon® LTE-enabled				
 Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards 	- Requires NEMA/ANSI C136.41 7-Pin	- Designed for indoor applications				
ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2	Dimming Receptacle - Not for use with PML or Q options	- Refer to <u>SS450-002</u> spec sheet for details Building Management System (BMS) Gatewa				
Meets FCC Part 15. Subpart B. Class A limits for conducted and radiated emissions	- Provides On/Off switching, dimming, power	BMS-GW-002				
 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 	metering, digital sensor input, and status monitoring of luminaires	 Required for BACnet integration Refer to <u>BMS-GW-002</u> spec sheet for detail Outdoor Antennas (Optional, for increased range, 8dB gain) 				
Meets Buy American requirements within ARRA	- Refer to TLT-B2 spec sheet for details SimplySNAP Central Base Station					
RoHS compliant. Consult factory for additional details	CBSSW-450-002	KIT-ANT420SM				
 Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct or transportation mounts only. Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/Sa/fsa-products/for most current information 	Includes On-Site Controller (SS450-002) and 5-button switch Indoor and Outdoor rated	 Kit includes antenna, 20' cable and bracket KIT-ANT360 Kit includes antenna, 30' cable and bracket 				
CA RESIDENTS WARNING: Cancer and Reproductive Harm -	- Refer to CBSSW-450-002 spec sheet for details	KIT-ANT600				
www.p65warnings.ca.gov	Synapse Wireless Sensor	- Kit includes antenna, 50' cable and bracket				
	WSN-DPM	- Refer to Outdoor antenna spec sheet for				
	Motion and light sensor Control multiple zones	details				
	Pefer to WCN DDM area sheet for details					

CREE : LIGHTING

US: <u>creelighting.com</u> (800) 236-6800 Canada: creelighting-canada.com [800] 473-1234

When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
 Designed with 0-10V dimming capabilities. Controls by others

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

refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/ for most current information DLC and DLC Premium qualified versions available. Please refer to https://www.designlights.org/search/ for most current information

ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI 15°C (59°F) 1.02 0.97

Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated | 20°C (68°F) | 1.01 | 0.96

• Operating Temperature Range: -40°C - +50°C (-40°F - +122°F)

 10V Source Current: 0.15 mA . Refer to Dimming spec sheet for details

 Suitable for wet locations Designed for downlight applications only Enclosure rated IP66 per IEC 60598

REGULATORY & VOLUNTARY QUALIFICATIONS

Meets Buy American requirements within ARRA

 RoHS compliant. Consult factory for additional details Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please

CA RESIDENTS WARNING: Cancer and Reproductive Harm –

www.p65warnings.ca.gov

CREE : LIGHTING

outions.
accordance with IES TM-21, Reported values represent interpolated values based on time durations that are
to 6x the tested duration in the IES LM-80 report for the LED.

REDLEONARD ASSOCIATES 1340 Kemper Meadow Dr, Forest Park, OH 45240 513-574-9500 | redleonard.com

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234

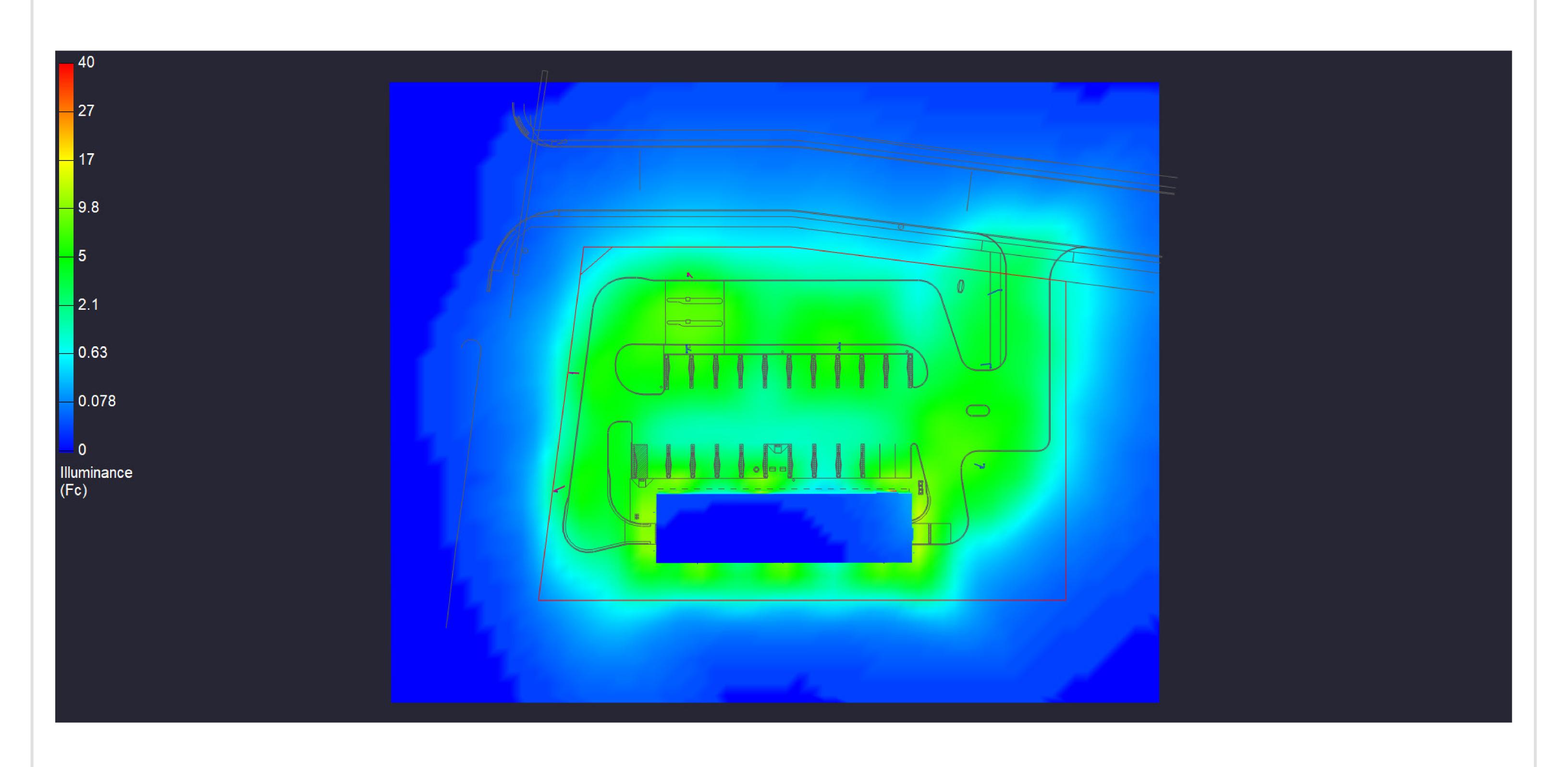
ELECTRICAL SYSTEM

Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
Power Factor: 9.0, a fluit load

Total Harmonic Distortion: < 20% at full load

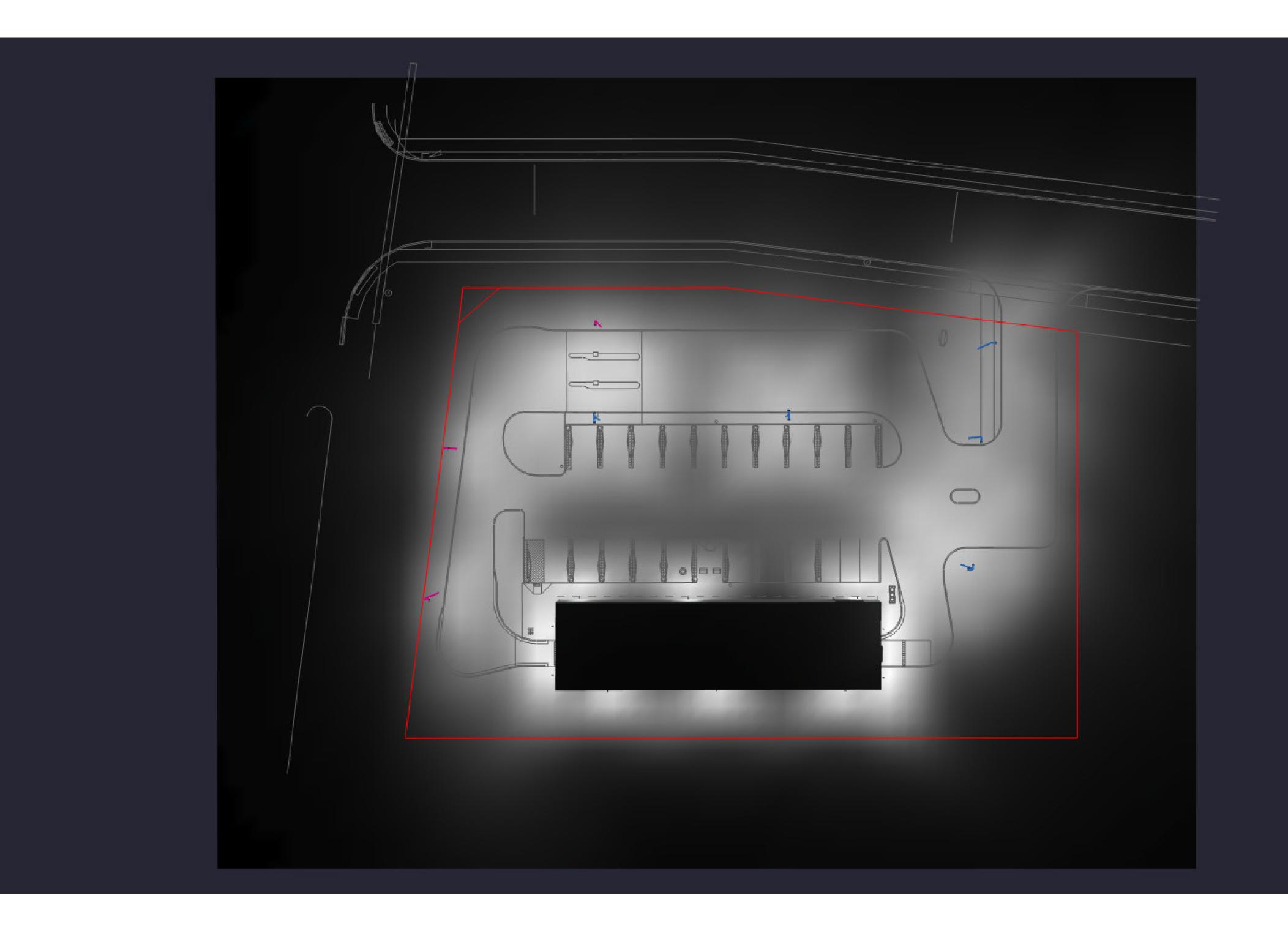
Integral 10kV surge suppression protection standard
 When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

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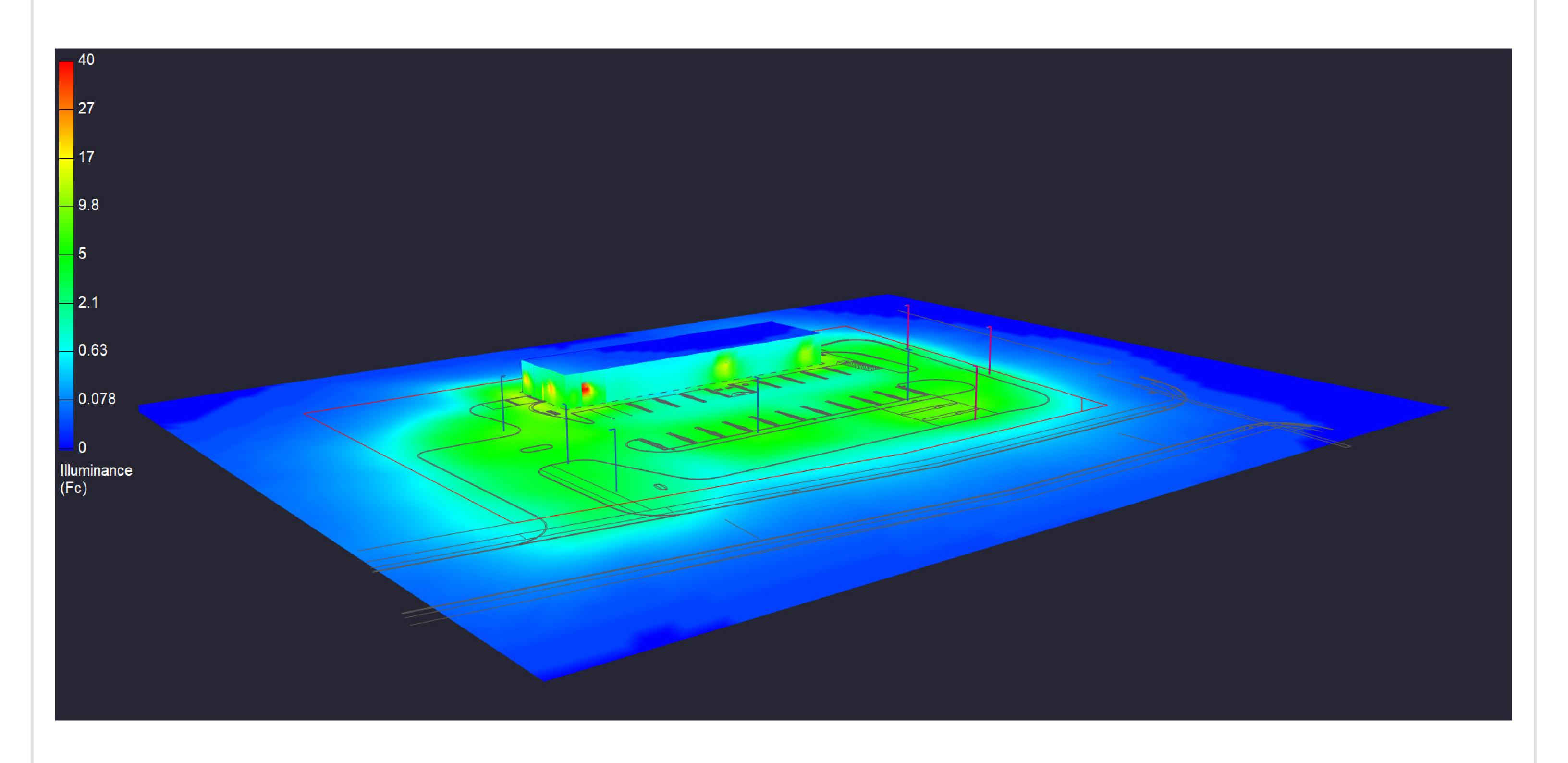


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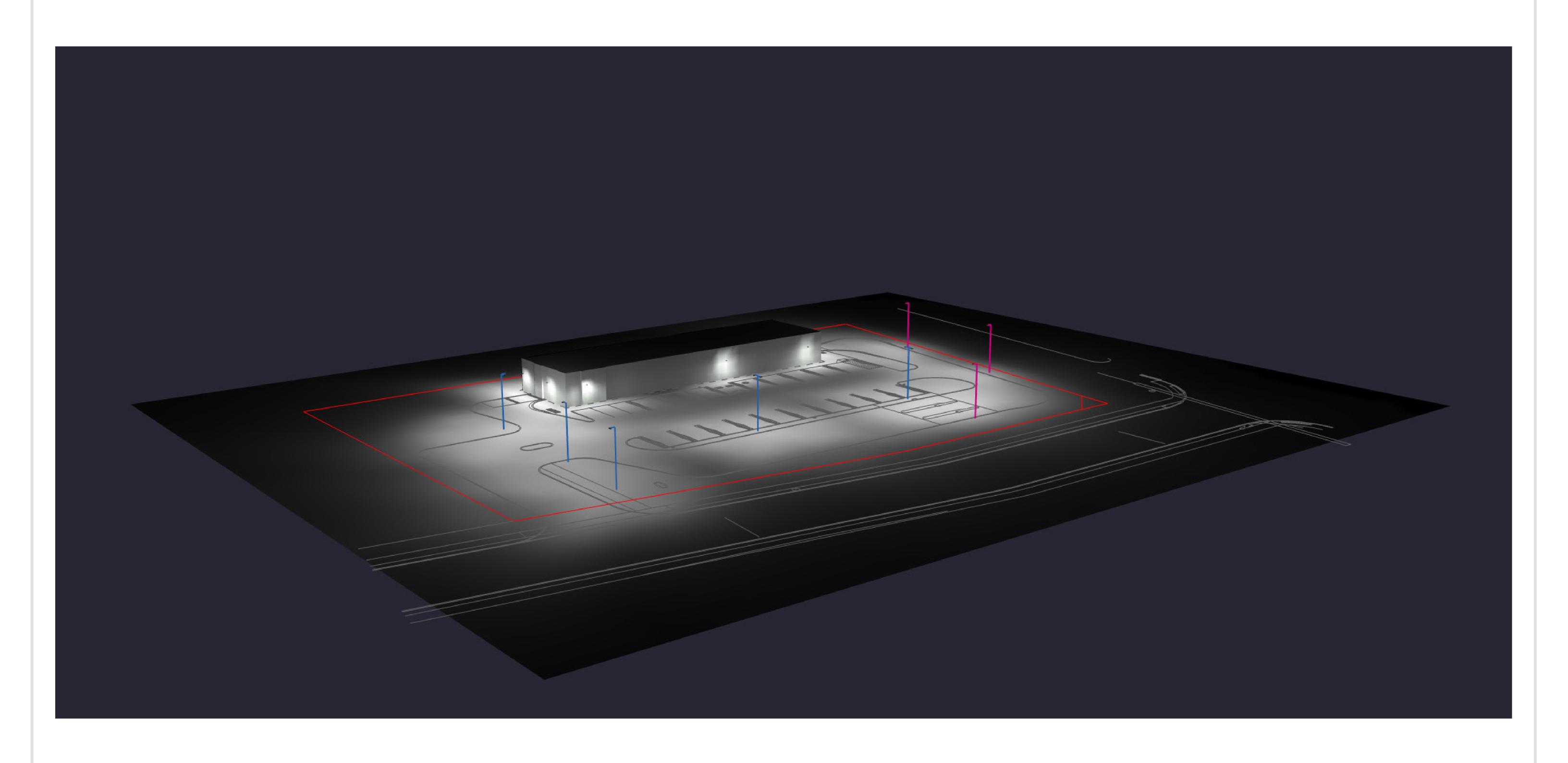


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