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

LUMINAIRE L	OCATION SUMM	ARY
LUM NO.	LABEL	MTG. HT.
1	A	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.

LABEL	ARRANGEMENT	111111				LUMINAIRE SCHEDULE						
	/ II II V II V CEIVILIN I	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURE	CATALOG LOGIC				
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				
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				
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				
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				
D	SINGLE	6094	1.000	B1-U0-G2	46.95	469.5	Cree Inc	XSPW-B-WM-3ME-6L-40K-UL-XX				
	A A1 A2 B D	A1 2 @ 90 DEG A2 BACK-BACK B SINGLE	A1 2 @ 90 DEG 13374 A2 BACK-BACK 13374 B SINGLE 12699	A1 2 @ 90 DEG 13374 1.000 A2 BACK-BACK 13374 1.000 B SINGLE 12699 1.000	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 A2 BACK-BACK 13374 1.000 B3-U0-G2 B SINGLE 12699 1.000 B2-U0-G2	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 A2 BACK-BACK 13374 1.000 B3-U0-G2 85 B SINGLE 12699 1.000 B2-U0-G2 104	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 170 A2 BACK-BACK 13374 1.000 B3-U0-G2 85 340 B SINGLE 12699 1.000 B2-U0-G2 104 312	A1 2 @ 90 DEG 13374 1.000 B3-U0-G2 85 170 Cree Inc A2 BACK-BACK 13374 1.000 B3-U0-G2 85 340 Cree Inc B SINGLE 12699 1.000 B2-U0-G2 104 312 Cree Inc				

1.5 0.6 0.3 0.2 0.1 0.1 0.1

0.7 0.3 0.2 0.1 0.1 0.1 0.1

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

513-574-9500 | redleonard.com

REV.	BY	DATE
R1	TAS	4/20/22
R2	TAS	9/8/22
R3	TAS	11/15/22

DESCRIPTION
ADDED 2 TYPE "D" FIXTURES
UPDATED SITE PLAN
UPDATED SITE PLAN

 $\begin{bmatrix} 0.0 & 0.1 & 0.1 & 0.2 & 0.4 & 2.1 & 4.1 & 6.6 & 5.0 & 5.8 & 6.8 & 6.1 & 7.0 & 4.1 & 6.6 & 6.1 & 6.$

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0.8 1.7 $\stackrel{+}{2}.9$ $\stackrel{+}{3}.0$ $\stackrel{+}{3}.5$

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3.0 4.9 4.7

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2.7 2.9 3.8 **4 3 3 2**.8

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0.0 0.0 0.0 0.0 0.1 0.1 0.2 0.5 0.9 0.9

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23.7 [†]8.9 [†]3.9 [†]3.1 [†]2.4

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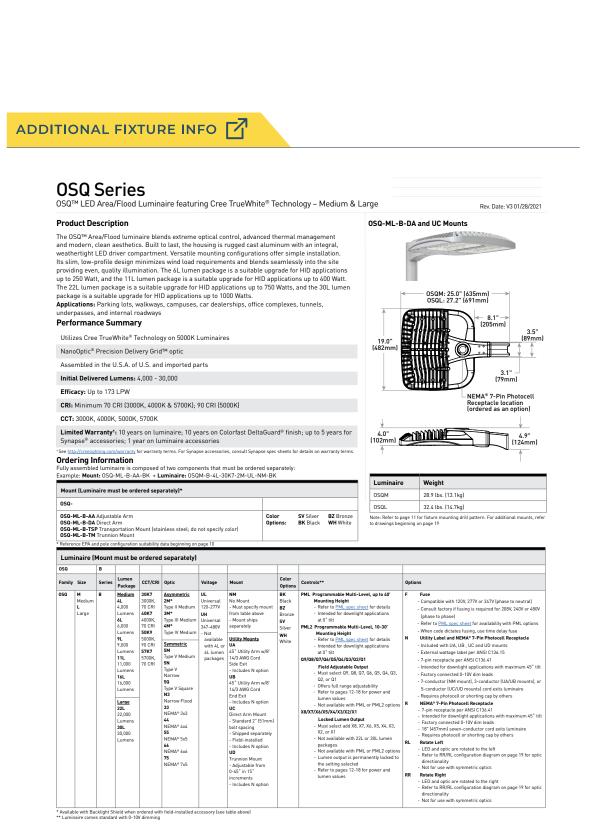
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SCALE: LAYOUT BY:
1" = 20' TAS

DWG SIZE: DATE:
D 4/19/22



QTY LABEL DESCRIPTION

AREA 2 A OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9

OSQ-BLSMF

A1 OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9

2 A2 OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9

3 B OSQ-ML-B-DA + OSQM-B-16L-40K7-3M-UL-NM-XX-Q9 +

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

Product Specifications CREE TRUEWHITE® TECHNOLOGY CONSTRUCTION & MATERIALS

CUL US ROHS CREE \$

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

Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink weanieright LED uner Conjust intend and integree promise read sink.
Convenient interlocking mounting method on direct arm and UC mounts,
Mounting adaptor is rugged die cast aluminum and mounts to 3" [76mm] or larger
square or round pole, secured by two 51/6-18 DUNC botts spaced on 2" [51mm] centers.
Refer to page 11 for fixture 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 5.

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°

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

Exclusive Colorfast DeltaGuard* finish features an E-Coat epoxy primer with an
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: 9.0, a fluit load

Total Harmonic Distortion: < 20% at full load

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

REGULATORY & VOLUNTARY QUALIFICATIONS

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

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

Product Specifications

CREE \$ LIGHTING

SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for d - 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-ANT360
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

ADDITIONAL FIXTURE INFO

WALL MOUNTED

XSP Series XSPW™ LED Wall Mount Luminaire featuring Cree TrueWhite® Technology Rev. Date: VersionB V3 07/31/2019 Product Description The XSPW™ LED walt mount luminaire has a slim, low profile design intended for outdoor walt mounted applications. The rugged lightweight aluminum housing and mounting box are designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes. The luminaire allows for through-wired or conduit entry from the top, bottom, sides and rear. The housing design is intended specifically for LED technology including a weathertight LED driver compartment and thermal management. Optic design features industry-leading NanoOptic® Precision Delivery Grid™ system in multiple distributions. Salta Eta Eta Z Applications: General area and security lighting Performance Summary NanoOptic® Precision Delivery Grid™ optic CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K) CCT: 3000K, 4000K, 5000K, 5700K Limited Warranty⁺: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

QTY LABEL DESCRIPTION

D XSPW-B-WM-3ME-6L-40K-UL-XX

Ordering Information
Example: XSPW-B-WM-2ME-2L-30K-UL-BK Product Version Mounting Optic Color Options Options

Electrical Data*

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

CREE \$ LIGHTING

Total Current (A)

XSPW™ LED Wall Mount Luminaire

CREE TRUEWHITE® TECHNOLOGY A revolutionary way to generate high-quality white light, Cree TrueWhite®
Technology is a patented approach that delivers an exclusive combination
of 90+ CRI, beautiful light characteristics and lifelong color consistency, all
while maintaining high luminous efficacy – a true no compromise solution. CONSTRUCTION & MATERIALS

 Luminaire housing specifically designed for LED applications with advanced LED thermal management and driver Luminaire mounting box designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes
 Luminaire can also be direct mounted to a wall and surface wired Secures to wall with four 3/16" [5mm] screws (by others)

· Conduit entry from top, bottom, sides, and rear • Weight: 2L, 4L, 6L - 11.0 lbs. (5.0kg); 8L - 11.8 lbs. (5.4kg)

ELECTRICAL SYSTEM • Input Voltage: 120-277V or 347-480V, 50/60Hz • 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
 Designed with 0-10V dimming capabilities. Controls by others • 10V Source Current: 0.15 mA • Operating Temperature Range: -40°C - +50°C (-40°F - +122°F) REGULATORY & VOLUNTARY QUALIFICATIONS

Suitable for wet locations

· Designed for downlight applications only Enclosure rated IP66 per IEC 60598 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117

· RoHS compliant. Consult factory for additional details Dark Sky Friendly, IDA Approved when ordered with 30K CCT DLC and DLC Premium qualified versions available. Please refer to https://www.designlights.org/search/ for most current information

Meets Buy American requirements within ARRA

120V 208V 240V 277V 347V 480V 30K/70 CRI 33 50K/90 CRI 40
 50K/90 CRI
 78
 89
 0.66
 0.37
 0.33
 0.29
 0.22
 0.16

 57K/70 CRI
 71
 119
 0.60
 0.35
 0.30
 0.26
 0.20
 0.18

15°C (59°F) 1.02 0.98 0.96 0.94 20°C (68°F) 1.01 0.97 25°C (77°F) 1.00 0.96 30°C (86°F) 0.99 0.95 35°C (95°F) 0.98 0.94 0.92 0.90 0.88 | 40°C (104°F) | 0.97 | 0.93 | 0.91 | 0.89 | 0.87

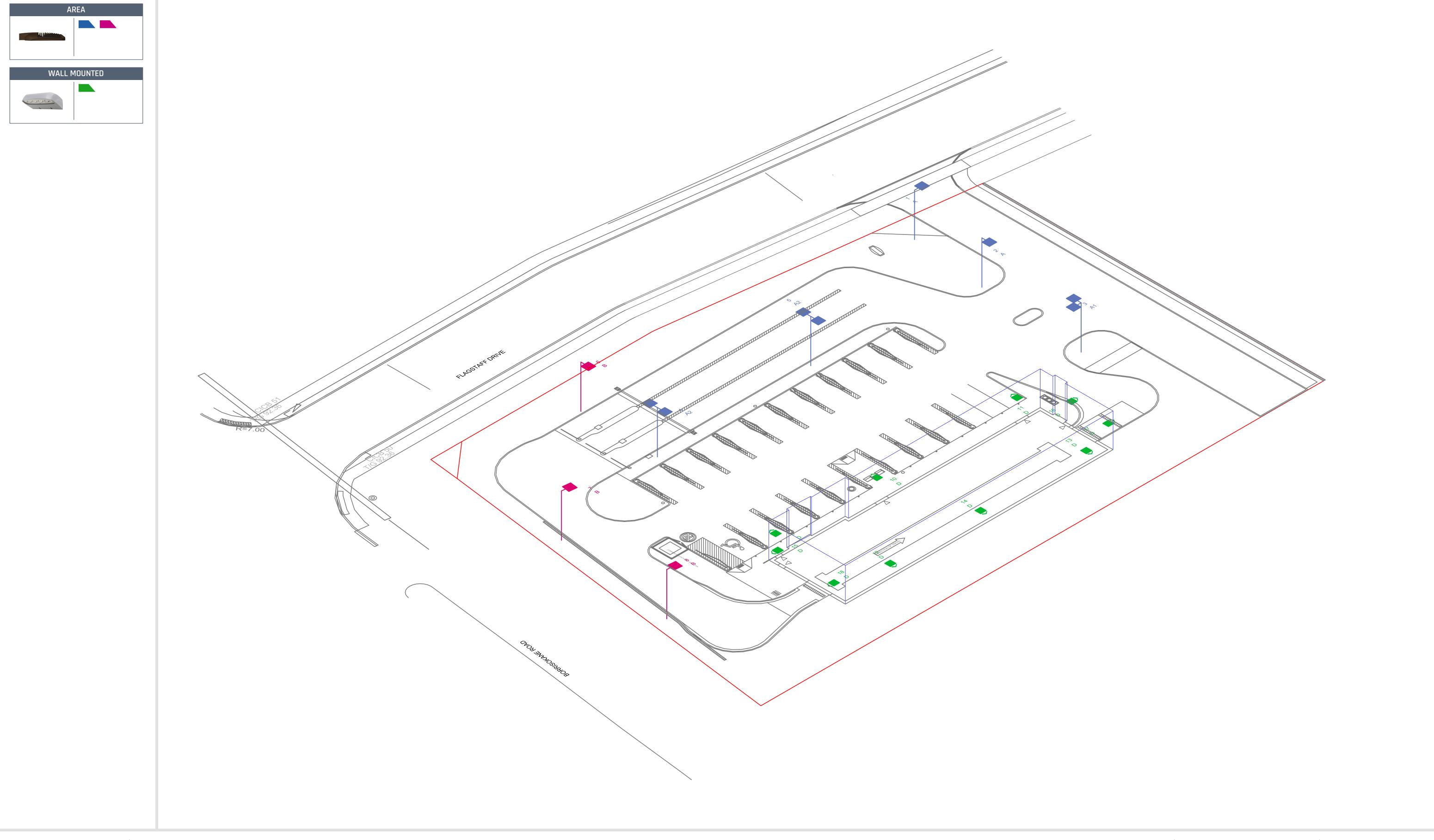
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CREE
LIGHTING



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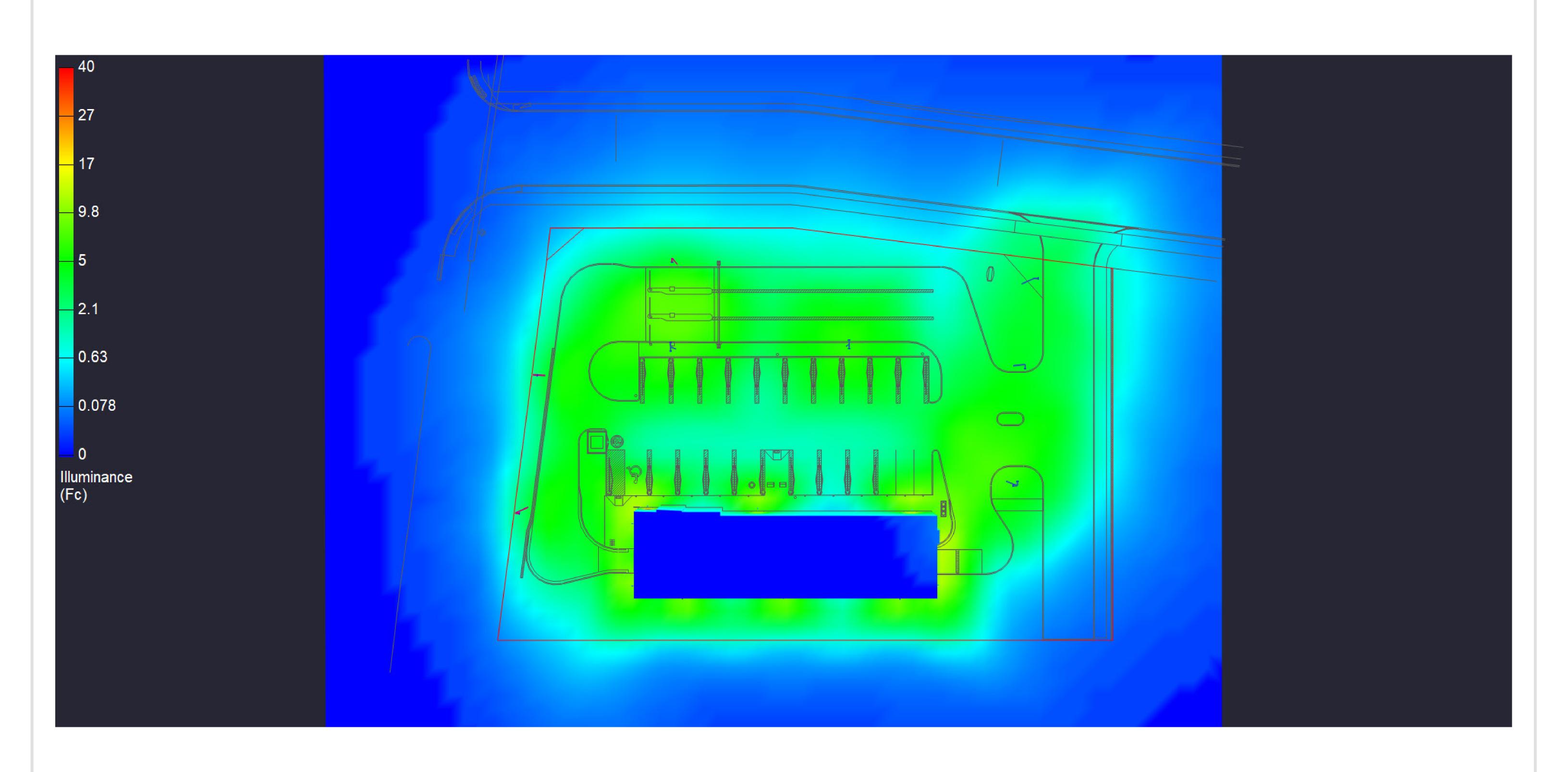
PROJECT NAME: HALO CAR WASH BARRHAVEN, ON DRAWING NUMBER: RL-7978-S1-R3





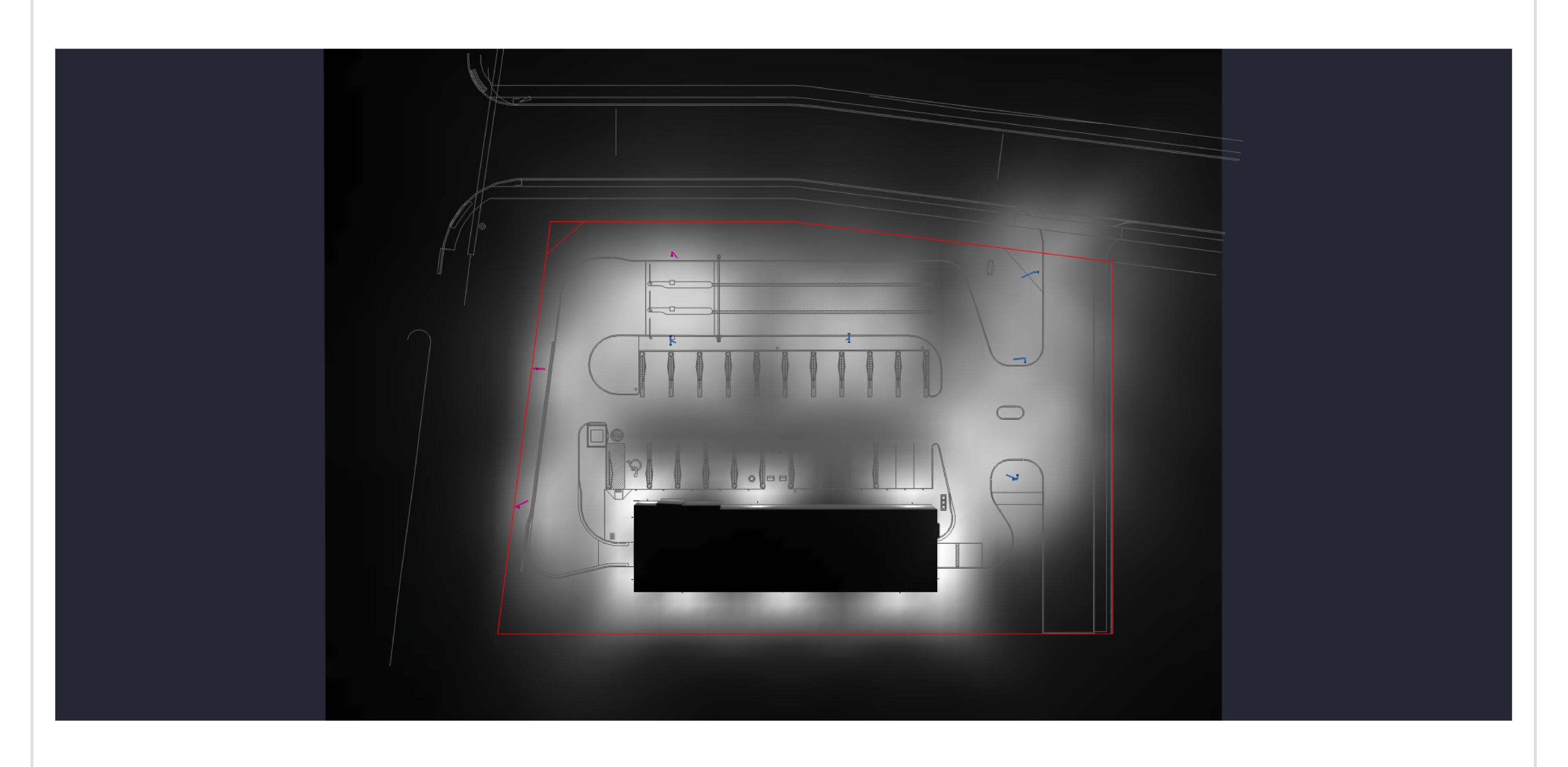
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PROJECT NAME:
HALO CAR WASH
BARRHAVEN, ON
DRAWING NUMBER:
RL-7978-S1-R3



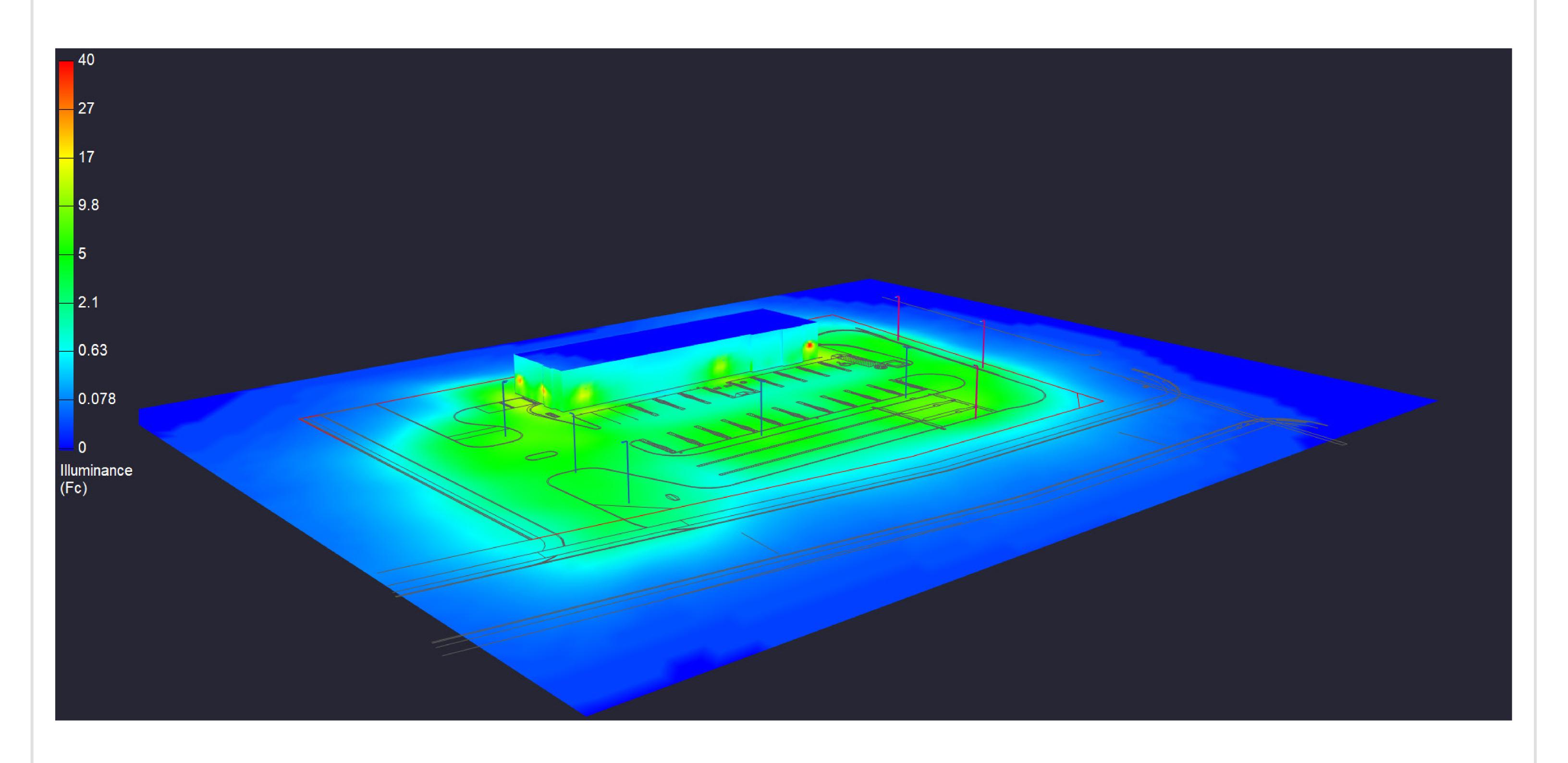


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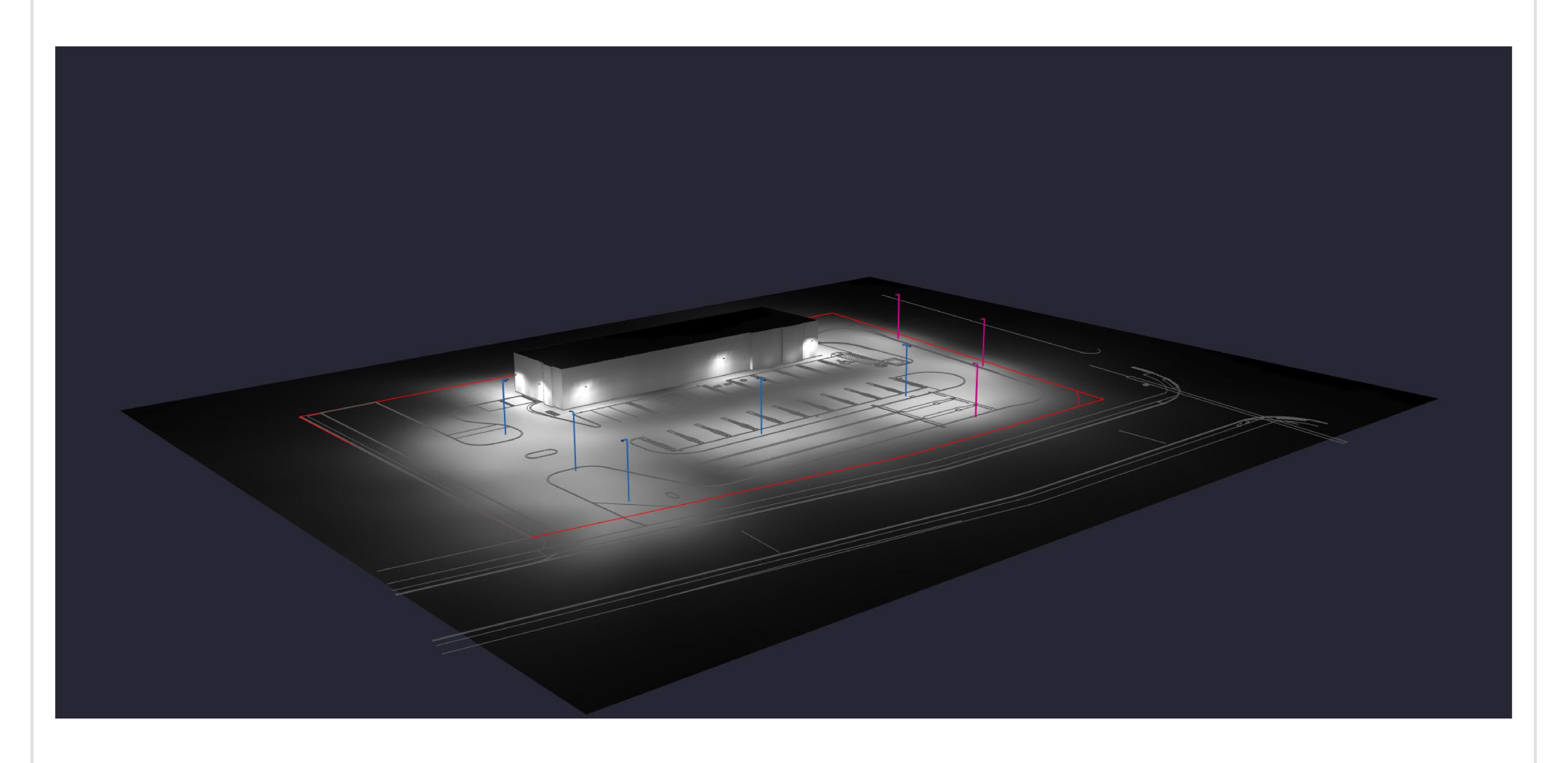


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