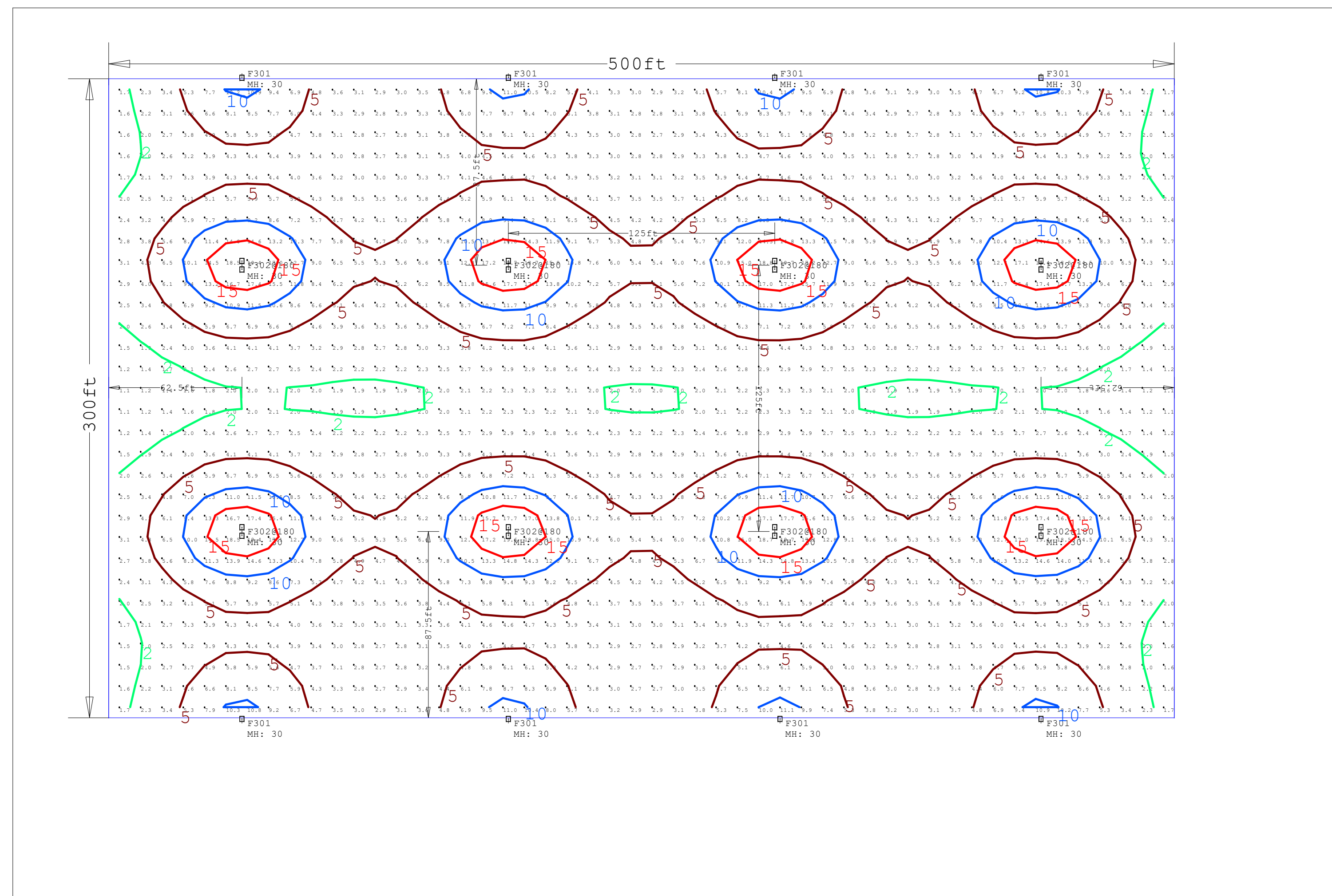


SPEC SHEET & RENDERS



Scale: 1 inch= 40.00 Ft.

LIGHTING DETAILS:

Luminaire Schedule							
Label	Symbol	Qty	LLF	Description	Arrangement	Luminaire Lumens	Luminaire Watts
F302@180		8	1.000	NEXTGEN IV 300W T3	Back-Back	42839	297.43
F301		8	1.000	NEXTGEN IV 300W T3	Single	42839	297.43

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Object_1_Top_1	Illuminance	Fc	5.42	19.7	1.1	17.91

DESIGN NOTES:

- 150W
- 20' POLE
-
-

Note on this Design:
This report makes no representations in regard to Lighting Design or Specification, rather it attempts to accurately reflect the photometric results of a design, as approved by others.

This analysis is a mathematical model and can be only as accurate as is permitted by the third-party software and the IES standards used. All digital CAD data appear to be accurate, however, this apparent accuracy is an artifact of the techniques used to generate it and is in no way intended to imply accuracy in the real world.

There are many factors that will impact the actual performance of Lighting in the constructed space, including: the accuracy of the original source (.ies) files supplied by the manufacturer, input voltage ballast variances, actual finish values in the constructed environment, manufacturing variations in both the source (lamp) and the luminaire, final luminaire placement, obstructions, and installation quality. Further, field measurement itself is subject to errors arising from measuring methods and/or technology selected, and the knowledge/ability of the measuring party. While the creator of this lighting study makes every effort to ensure accuracy, they cannot be held liable for any errors. The recipient of this lighting study understands and accepts that the likelihood of scaling error increases when no .DWG file or other properly-dimensioned drawing is provided to the designer.

Reflective Values have a significant effect on light levels, the end-user of the document should confirm these values before accepting the results of any photometric report. The managing contractor/architect/engineer is responsible for ensuring compliance to all relevant lighting ordinance(s) and energy codes required on this project.

300W NextGen IV Series | LED SHOEBOX LIGHT

PRODUCT DESCRIPTION
The Top Rated NextGen Series Gets Better! The NextGen IV Series has 140+ Lumens per Watt, bigger VP driver and a DLC E-1 Premium Rated! New plug open Compartment for fast access and optional easy field in Motion Sensor that can be programmed by a remote.

PRODUCT FEATURES & COMMON USE APPLICATIONS

- Lumileds Chip, high CRI
- Input voltage 120-277VAC
- Output constant current level can be adjusted through output cable with a 300Ω resistor
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury
- Outdoor basketball court, tennis court
- Swimming pool, the hotball field
- The school playground, stadium
- Commercial: library, entertainment plaza, road lamp etc.

PRODUCT DIMENSIONS

300W NextGen IV Series | LED SHOEBOX LIGHT

PRODUCT TECHNICAL SPECIFICATION

Input Power (Maximum ±10%)	300W (Voltage Adjustable Range: 300W-400W/300W)
Color Temperature	3000K, 4000K, 5000K
Lumen (Typical ±10%)	42839lm/1000lm
Efficiency (Typical ±10%)	142lm/w
Beam Angle	120° Beam (±1° SDCS)
Beam Diameter	850mm (33.5")
Beam Spread	Typ. 8.5m @ 15m H, 40°
Beam Angle (Beam Diameter)	100°/120° Degree
LED Chip and Frequency	120-277VAC, 50/60Hz
IP (Protection Class)	IP20
LED (Maximum)	4000h
Product Weight	0.25kg
Driver Brand	Regul8Drive Lighting
Driver Model	Regul8Drive Lighting Driver
Driver Surge Protection	LN/LE, 10kV (1kA @ 1000ns)
Mounting	120° Rotating Mounting
Mount Type	Clamp-on Mount, Exposed Mount, Single Sensor Mountable
Optional Accessories	Photoeye, Super-photoeye, DC Motor (Remote sensor), DC Motor (PIR sensor), photoeye-mountable, mounting cap
LED Brand	Lumileds
LED Type	SM3535
LED CRY	90°/120°
Housing	Die-cast aluminum
Housing Color	Black, White, or Customized
Material	Aluminum
EPA	0.025 W/Watt
RoHS Compliant	Yes
Operating Temperature	Without Motion Sensor: -40°C TO 50°C With Motion Sensor: -30°C TO 50°C
Storage Temperature	-30° TO 50°
Operating Humidity	5% TO 95% RH
Storage Humidity	5% TO 95% RH
Warranty	3 Years

PRODUCT MOUNTS & ACCESSORIES

300W NextGen IV Series | LED SHOEBOX LIGHT

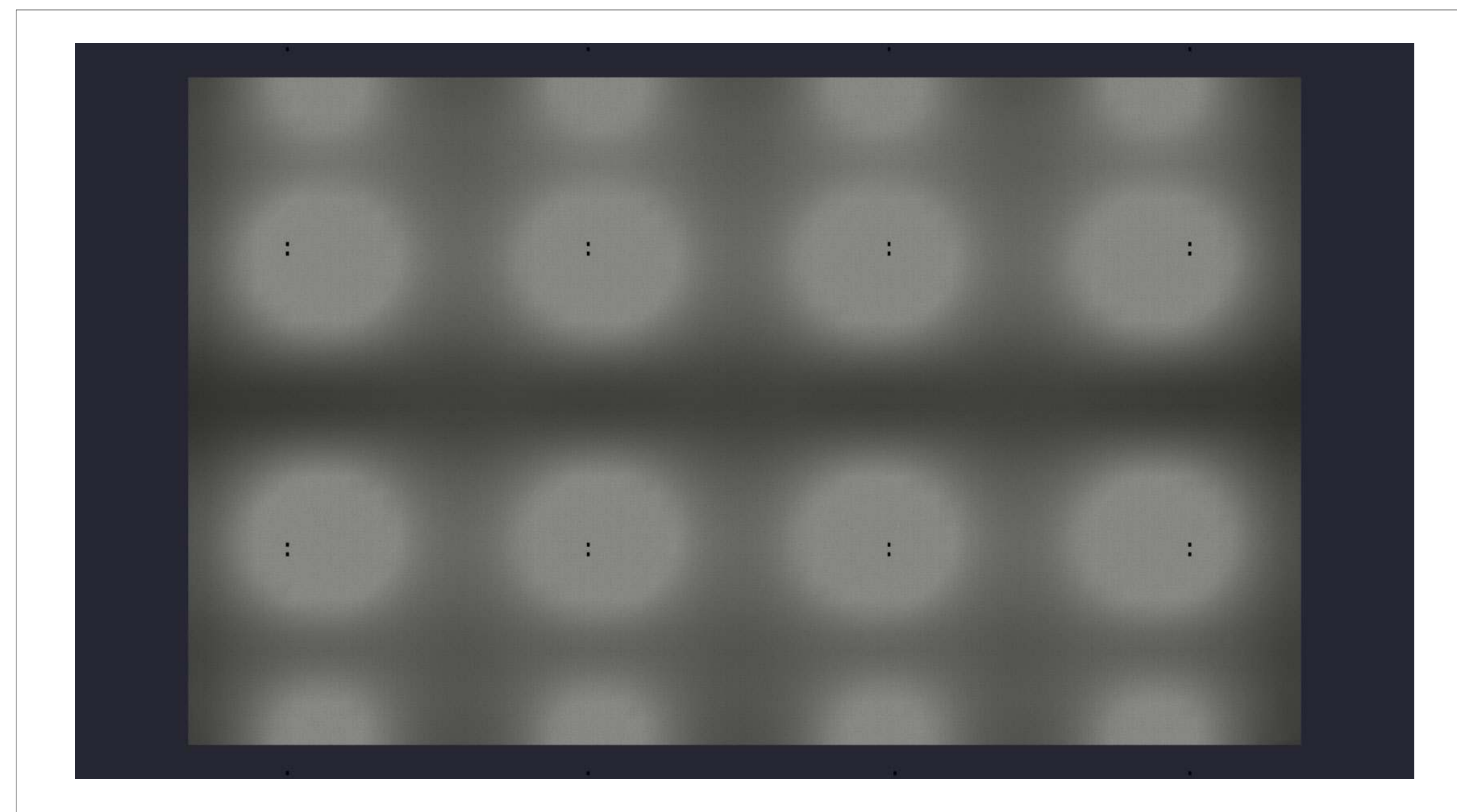
PHOTOMETRICS & DLC PRODUCT SPEC

Luminaire Property
Luminaire Manufacturer: LEDLightExpert.com
Voltage: 120-277V
Power: 299.70 W
Current: 2.506 A
Power Factor: 0.998

Photometric Results
IES Classification: Type III
Total Rated Lamp Lumens: 44933.5 lm
Efficiency: 142lm/w
Downward Ratio: 99%
Central Intensity: 1614.92 cd
Foot of Max. Intensity: 15187.62 cd

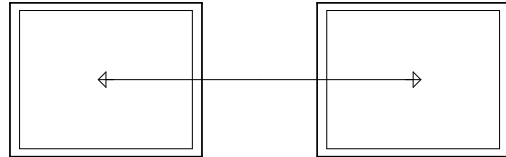
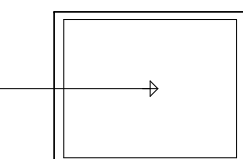
Longitudinal Classification: Medium
Measurement Plane: 44933.5 lm
Luminaire Efficiency Rating (LER): 149.98
Max. Intensity: 15187.62 cd

TYPE F300



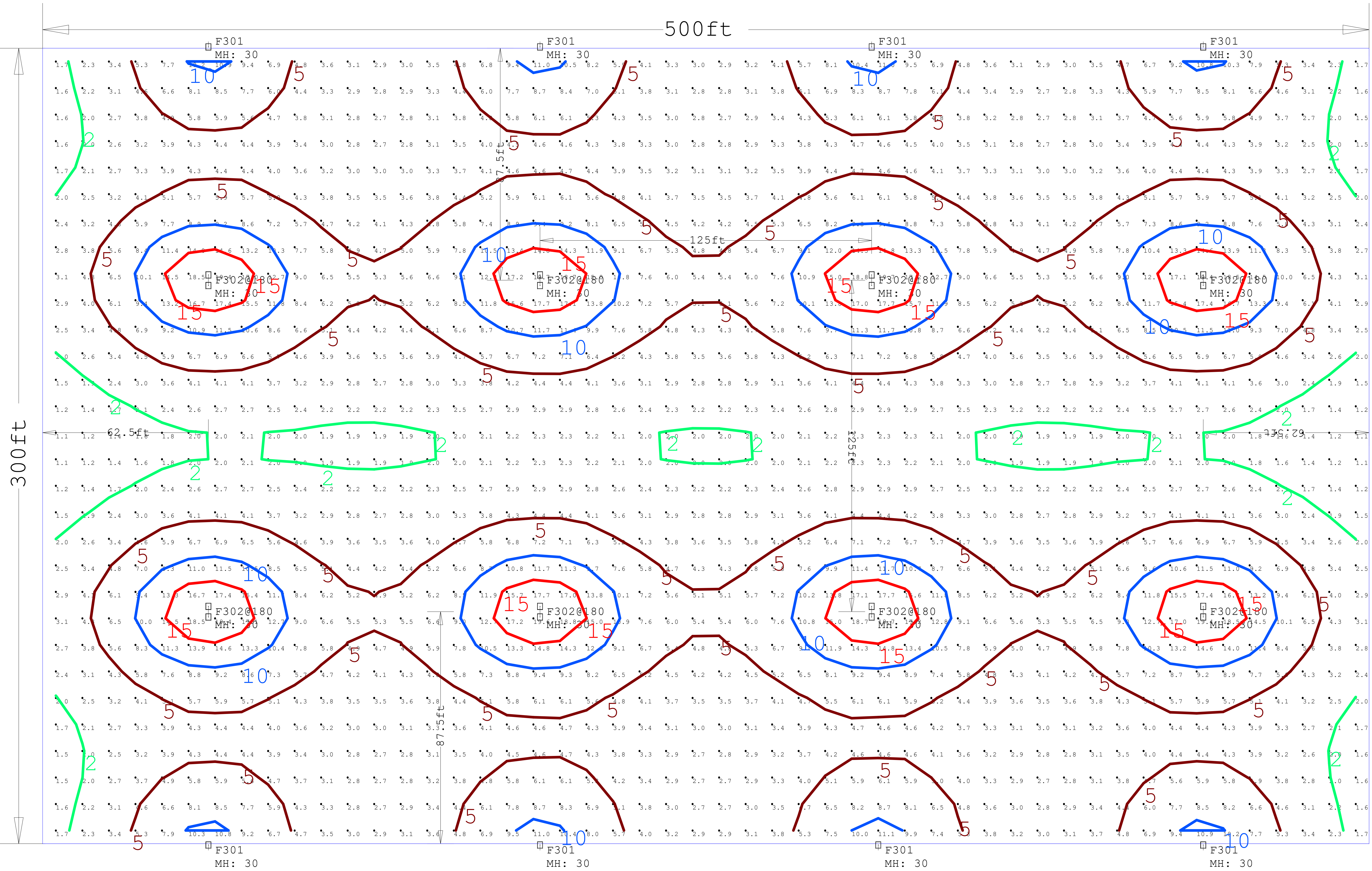
RENDERING

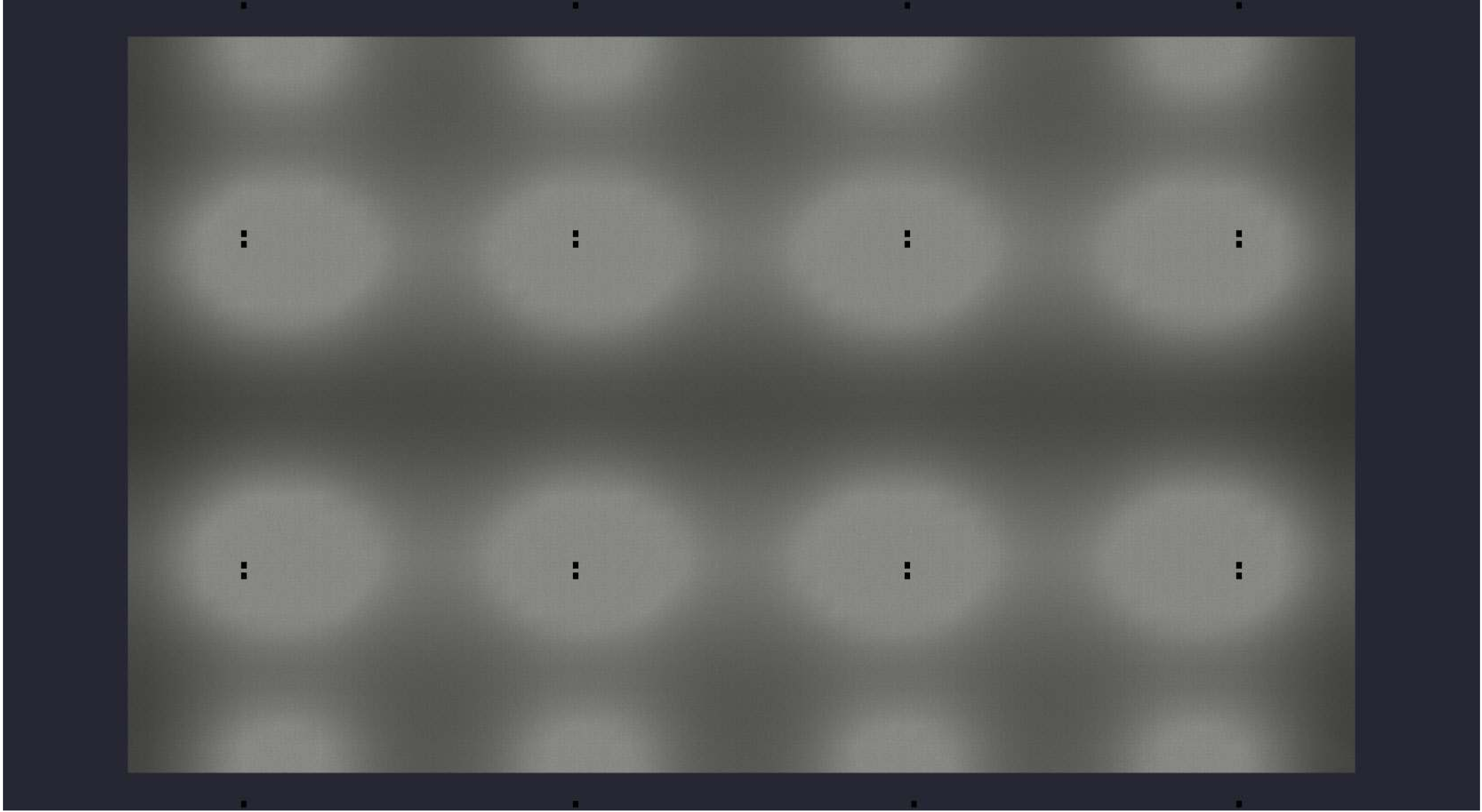
LIGHTING DETAILS:

Luminaire Schedule							
Label	Symbol	Qty	LLF	Description	Arrangement	Luminaire Lumens	Luminaire Watts
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F301		8	1.000	NEXTGEN IV 300W T3	Single	42839	297.43

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Object_1_Top_1	Illuminance	Fc	5.42	19.7	1.1	17.91

Luminaire Location Summary						
LumNo	Label	Insertion Point			Orient	Tilt
		X	Y	Z		
3	F302@180	62.5	87.5	30	90	0
22	F302@180	187.5	87.5	30	90	0
23	F302@180	312.5	87.5	30	90	0
24	F302@180	437.5	87.5	30	90	0
25	F302@180	62.5	212.5	30	90	0
26	F302@180	187.5	212.5	30	90	0
27	F302@180	312.5	212.5	30	90	0
28	F302@180	437.5	212.5	30	90	0
29	F301	62.5	302.5	30	270	0
30	F301	187.5	302.5	30	270	0
31	F301	312.5	302.5	30	270	0
32	F301	437.5	302.5	30	270	0
33	F301	437.5	-2.5	30	90	0
34	F301	315	-2.5	30	90	0
35	F301	187.5	-2.5	30	90	0
36	F301	62.5	-2.5	30	90	0



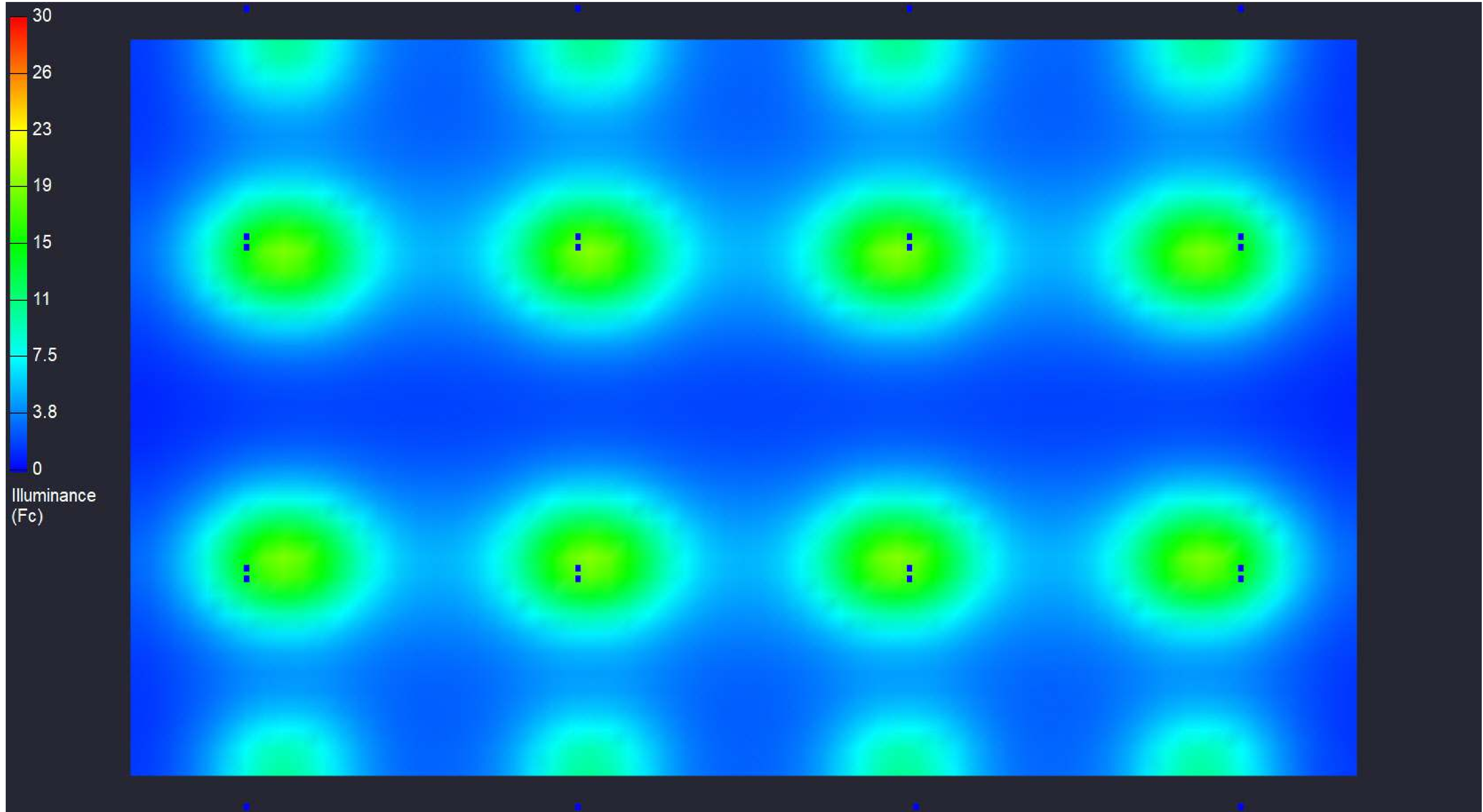


300 X 500 PARKING LOT

Date:9/11/2025

Drawn By:

Revision #:



Illuminance
(Fc)