

ELECTRICAL SITE PLAN
1" = 30'-0"



KEYED NOTES:

1. PRIMARY FEEDER BY MVEA.
2. NEW MVEA TRANSFORMER AND CONCRETE PAD PROVIDED AND INSTALLED BY MVEA.
3. NEW FEEDER FROM THE MVEA TRANSFORMER TO THE SES. REFER TO THE ONLINE DIAGRAM ON SHEET E-501 FOR FEEDER CONDUIT/WIRE SIZE.
4. NEW 800A, 480Y/277V, 3ø, 4W, SES.
5. ROUTE CONDUITS TO THE TELECOM COMPANY SOURCE.
6. NEW (2) 4" C, WITH PULLSTRING, FROM THE TELECOM COMPANY SOURCE TO IT 129, PER TELECOM COMPANY SPECIFICATIONS AND REQUIREMENTS.
7. STUB-UP CONDUITS IN IT 129. COORDINATE EXACT STUB-UP LOCATION WITH THE OWNER.

NOTES:

- A. COORDINATE ALL WORK WITH OTHER TRADES, OWNER, RIGHT-OF-WAY FOR OTHER UTILITIES AND THE PROJECT MANAGER.
- B. ROUTING OF ALL TRENCHES FOR POWER AND TELECOM FEEDERS ARE SHOWN FOR ESTIMATING PURPOSES ONLY. ACTUAL ROUTING AND LOCATION, AS WELL AS DEPTH OF ALL TRENCHING SHALL BE AS COORDINATED WITH OTHER UTILITIES BY THE CONTRACTOR.
- C. CONTRACTOR SHALL PROVIDE AND INSTALL MANHOLES/PULLBOXES/HANDHOLES, AS REQUIRED, TO FACILITATE INSTALLATION OF POWER AND TELECOM FEEDERS.
- D. ALL CONDUITS SHOWN ON THIS PLAN SHALL BE RUN UNDERGROUND AT A MINIMUM OF 24" BELOW GRADE, UNLESS REQUIRED OTHERWISE BY THE UTILITY COMPANY.
- E. PROVIDE A MINIMUM OF 24" SEPARATION BETWEEN POWER AND TELECOM CONDUITS.
- F. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40, UNLESS REQUIRED OTHERWISE BY THE UTILITY COMPANY.
- G. ALL UNDERGROUND BENDS AND ALL RISERS SHALL BE TAPED RGS OR PVC COATED RIGID CONDUIT, UNLESS REQUIRED OTHERWISE BY THE UTILITY COMPANY.
- H. ALL EXTERIOR ABOVE GROUND CONDUIT SHALL BE RGS.
- I. MINIMUM CONDUIT SIZE SHALL BE 1".
- J. MINIMUM WIRE SIZE SHALL BE #8 THHN/THWN-2 CU.
- K. REFER TO THE PANEL SCHEDULES FOR CONDUIT/WIRE SIZE AND LOAD DESIGNATIONS. THERE SHALL BE NO SHARED NEUTRALS.
- L. POLE MOUNTED LIGHT FIXTURES SHALL BE CONTROLLED AS FOLLOWS - PHOTOCLOCK ON, ASTRONOMIC TIME CLOCK OFF.
- M. REFER TO SHEET E-801 FOR THE LUMINAIRE SCHEDULE.

SIGN / SEAL



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OWNER/CLIENT

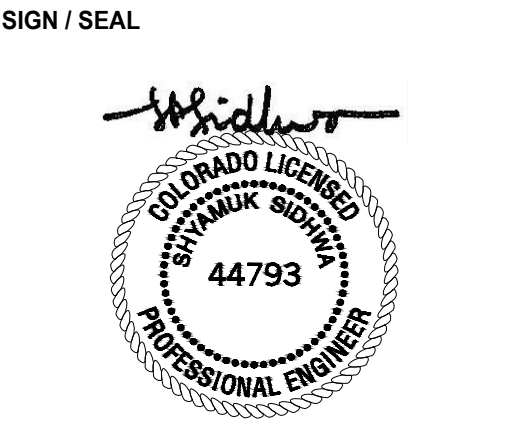
HONOR CHARTER SCHOOL

HONOR CHARTER SCHOOL BUILDING CORPORATION
8250 Bent Grass Meadows Drive, Peyton, Colorado 80831
Owner Project No. 3225193
AGENCY NUMBER: AHCA-123456.78

REV. #	DESCRIPTION	DATE

DATE OF ISSUE: 04.30.2026
PHASE: CONSTRUCTION DOCUMENTS
ISSUED FOR: CONSTRUCTION PERMIT
GRACE PROJECT NO: 3225193

ELECTRICAL
SITE PLAN



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OWNER/CIENT

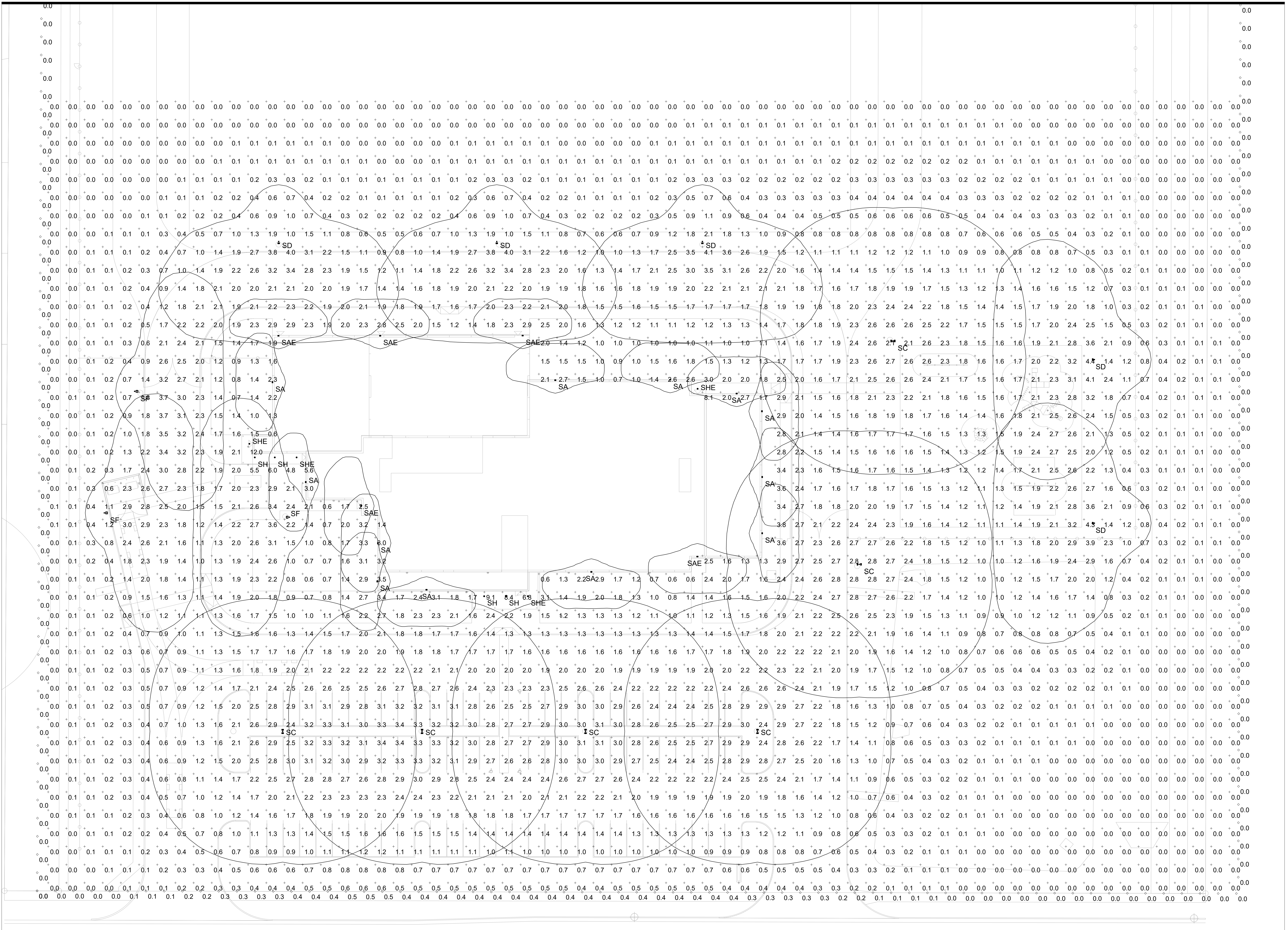
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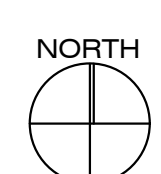
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SITE PHOTOMETRIC PLAN

ES-112



SITE PHOTOMETRIC PLAN
N.T.S.



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
FC ON SITE AT GRADE	+	1.1 fc	12.0 fc	0.0 fc	N/A	N/A
PROPERTY LINE AT GRADE	◇	0.1 fc	0.5 fc	0.0 fc	N/A	N/A

WDGE2 LED Architectural Wall Sconce Precision Reflective Optic

Coating: SA/SAE
Finish: SA/SAE
Type: SA/SAE

Specifications
Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight (without options): 13.5 lbs

Introduction
The WDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectangular design comes in four sizes with lumen package ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embodied with rLight™ AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 with industry leading precision reflective optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

Ordering Information
EXAMPLE: WDGE2 LED P3 40K 80CRI T3M SVOLT MRM DBX3D

Luminaire	Optic	Standard EM, °C	Cold EM, -20°C	Sensor	P1	P2	P3	P4	P5	P6
WDGE2 LED Visual Control	40°	—	750	1,200	2,000	—	—	—	—	—
WDGE2 LED Visual Control	10W	10W	Standard / rLight	—	1,200	2,000	3,000	4,500	6,000	—
WDGE2 LED Precision Reflective	10W	10W	Standard / rLight	700	1,200	2,000	3,000	4,200	—	—
WDGE2 LED Precision Reflective	15W	15W	Standard / rLight	—	7,500	8,500	10,000	12,000	—	—
WDGE2 LED Precision Reflective	—	—	—	—	12,000	16,000	18,000	20,000	22,000	25,000

Options
EM Emergency battery backup, Certified CA Title 20 (EMERGENCY 100% CRI)
EMW Emergency battery backup, Certified CA Title 20 (EMERGENCY 100% CRI)
EMC Emergency battery backup, Certified CA Title 20 (EMERGENCY 100% CRI)
EMV Emergency battery backup, Certified CA Title 20 (EMERGENCY 100% CRI)
EMX Emergency battery backup, Certified CA Title 20 (EMERGENCY 100% CRI)
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SA/SAE

Accessories
 1. rLight not available with sensor controls.
 2. rLight not available with AMB and IFA.
 3. AMB and IFA always go together.
 4. rLight only available with T3M and T4M.
 5. rLight and rLight not available with EMER or EMW.
 6. rLight not available with EMV. Not available with emergency battery backup or sensor controls.
 7. For EMW and AMB with CCT option, require an IFA.
 8. rLight not available in 80CRI or with sensor controls.
 9. EMV option not available with sensor controls.

Performance Data
Lumen Output
 Lumen values are photometric test performed in accordance with IESNA LM-79-02. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on configurations not shown here.

Performance Package	System Size	Opt. Type	7W (200K, 80 CRI)				10W (200K, 80 CRI)				15W (200K, 80 CRI)				20W (200K, 80 CRI)			
			Lumens	LPW	U	V	Lumens	LPW	U	V	Lumens	LPW	U	V	Lumens	LPW	U	V
P1	7W	T3M	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1
		T4M	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1
		T5M	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1
		T6M	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1	100	14.3	0.1	0.1

Photometric Diagrams
 To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE2 LED homepage.

Emergency Egress Options
Emergency Battery Backup
 The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes. Applicable codes: NFPA 70B-2012, NFPA 101 Life Safety Code Section 7.9.

RSX1 LED Area Luminaire

Coating: SC/SD/SF
Finish: SC/SD/SF
Type: SC/SD/SF

Specifications
 EPA (H=80"): 0.57 ft² (0.05 m²)
 Length: 21.8" (55.4 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body

Introduction
 The RSX1 LED Area luminaire delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information
 EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DBX3D

Series	Performance Package	Color Temperature	Beam/Distribution	Voltage	Mounting
RSX1 LED	P1	30K	30°	120V	SPA
	P2	40K	30°	120V	SPA
	P3	50K	30°	120V	SPA
	P4	50K	30°	120V	SPA

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External Shields
 House Side Shield
 External Glare Shield
 External 360 Full Visor

Pole/Mounting Information
 Accessories including bullhorns, cross arms and other adaptors are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

Round Tenon Mount - Pole Top Slipfitters

Slipfitter	Height	Weight	Material	Finish
1.0"	1.0"	1.0"	1.0"	1.0"
2.0"	2.0"	2.0"	2.0"	2.0"

Drill/Side Location by Configuration Type

Configuration	Drill Location	Side Location
Standard	Standard	Standard
Adjustable	Adjustable	Adjustable

RSX1 - Luminaire Mounting
 Includes luminaire and integral mounting arm. Other options, arms, brackets or other accessories are not included in this EPA data.

Mounting Type	Height	Weight	Material	Finish
Standard	Standard	Standard	Standard	Standard
Adjustable	Adjustable	Adjustable	Adjustable	Adjustable

RSX STANDARD ARM & ADJUSTABLE ARM

Arm Type	Length	Weight	Material	Finish
Standard	Standard	Standard	Standard	Standard
Adjustable	Adjustable	Adjustable	Adjustable	Adjustable

Photometric Diagrams
 To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting RSX Area Luminaire homepage.

Performance Data
Lumen Ambient Temperature (LAT) Multipliers
 Use these factors to determine what lumen output for average ambient temperature from 50°C (122°F).

Ambient	Lumen Multiplier
0°C	1.03
10°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
40°C	0.97

Projected LED Lumen Maintenance
 Data reference the anticipated performance projections for the products noted in a 20°C ambient temperature, 10,000 hours of LED testing based on IESNA LM80-08 and accelerated testing.
 To calculate LLM use the lumen maintenance factor that corresponds to the desired number of operating hours below for other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.91	>0.87

SC/SD/SF

Photometric Diagrams
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