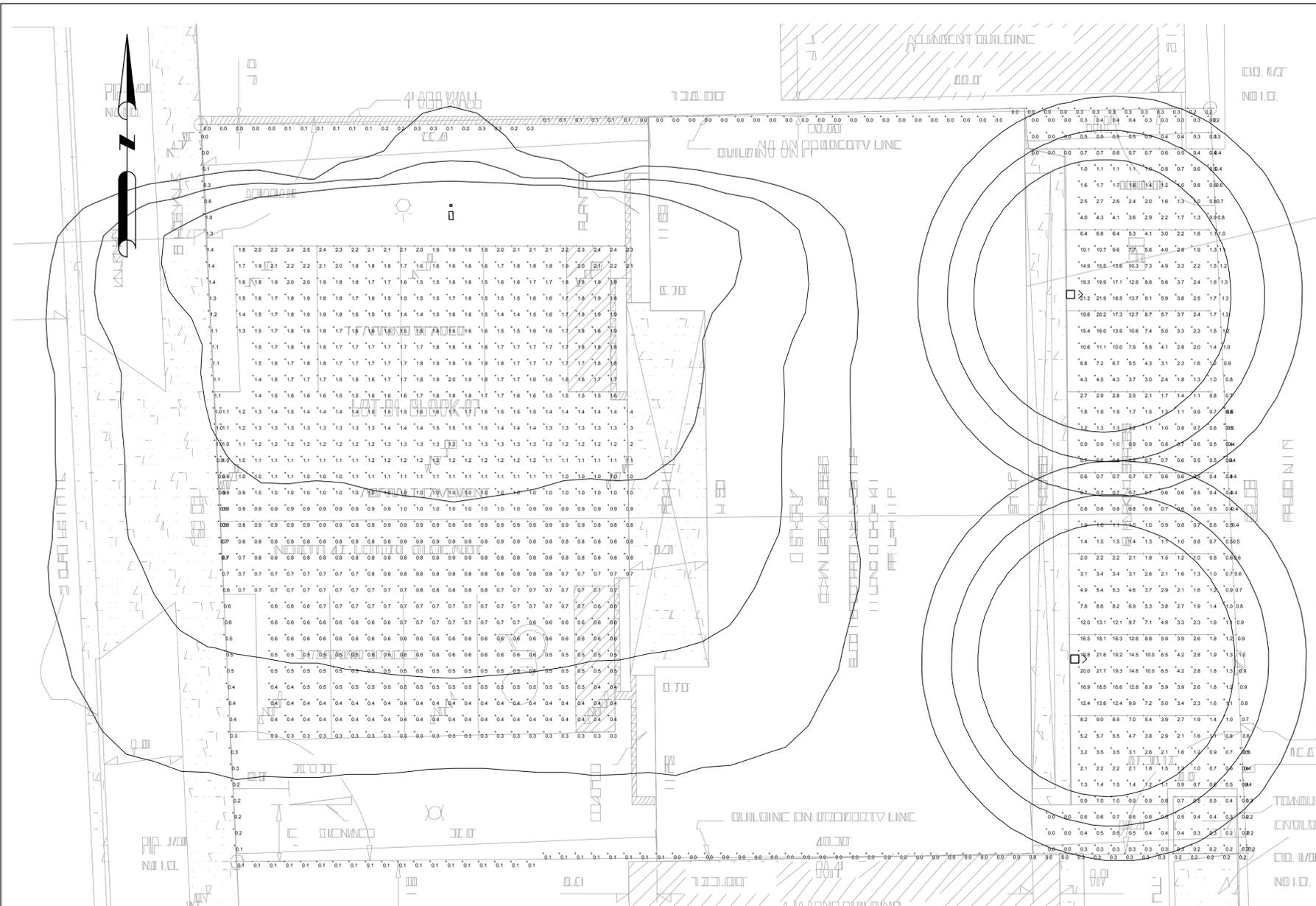


D:\AEG PROPOSALS\HUNT REAL ESTATE SERVICES\MuV North Miami Site ELEC.dwg, 3/23/2022 5:31:08 PM



SITE LIGHTING PHOTOMETRIC PLAN
SCALE: 1"=100'

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
□	POLE MOUNTED LIGHT FIXTURE.
△	WALL MOUNTED LIGHT FIXTURE.

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
FRONT PARKING LOT	+	1.1 fc	2.5 fc	0.3 fc	8.3:1	3.7:1
PROPERTY LINE	+	0.3 fc	1.4 fc	0.0 fc	N/A	N/A
REAR PARKING LOT	+	3.4 fc	21.9 fc	0.0 fc	N/A	N/A

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
□	A	1	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON (FORMERLY EATON)	GLEON-SA2D-827-U-T4FT-HSS	GALLEON AREA AND ROADWAY LUMINAIRE (2) 80 CRI, 2700K, 1200mA LIGHT SQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD Retail, Roadway, Sidewalk, Site, Street, Substation, Security, Corrosion Resistant, Vandal Resistant, Wet Location ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		32	GLEON-SA2D-827-U-T4FT-HSS.ies	259	0.89	129
△	B	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	AXCL6A-W-GRF	AXCENT CUTOFF WALLPACK WITH FROSTED LENS Facade, Garage, Government, Industrial, Institutional, Landscape, Office, Parking, Pathway, Pedestrian, Sidewalk Site, Utility, Warehouse ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		165	AXCL6A-W-GRF.ies	34	0.89	56.43

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALERS ENGINEERING GROUP, LLC
NICHOLAS V. ALERS, P.E. FL. P.E. 48176
13807 CAYWOOD POND DRIVE
WINDERMERE, FLORIDA 34786
T-407721-1142
ALERS1259@GMAIL.COM

PHOTOMETRIC PLAN
MuV
NORTH MIAMI BEACH, FLORIDA

Lumark
Axcent
Wall Mount Luminaire

Product Features

- Interactive Menu
 - Ordering Information page 1
 - Mounting Details page 2
 - Product Specifications page 4
 - Energy and Performance Data page 4
 - Control Options page 6

Product Certifications

Connected Systems

- WaveLinx Lite
- Enlighted

Quick Facts

- Available in 14W - 123W (1,800 - 17,000 lumens) models
- Full cutoff and refractive lens models available
- Energy and maintenance savings up to 95% compared to HID
- Energy efficient illumination results in up to 144 LPW
- Replaces 70W up to 450W HID equivalents

Dimensional Details

Dimensional Data	LED Lens	REFRACTIVE LENS
A	18-1/2" (467mm)	11-1/2" (292mm)
B	7-1/2" (191mm)	10-3/4" (273mm)
C	3-5/8" (92mm)	4-1/8" (107mm)
D	4-1/8" (107mm)	7-1/8" (183mm)

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/ULC Listed for wet locations.

PROJECT INFORMATION

Project #	Type
Project	Date
Comments	
Prepared by	

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 50Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A, drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table.

Finish
Housing finished in super durable TGIC polyester powder coat paint. 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic.RAL and custom color matches available.

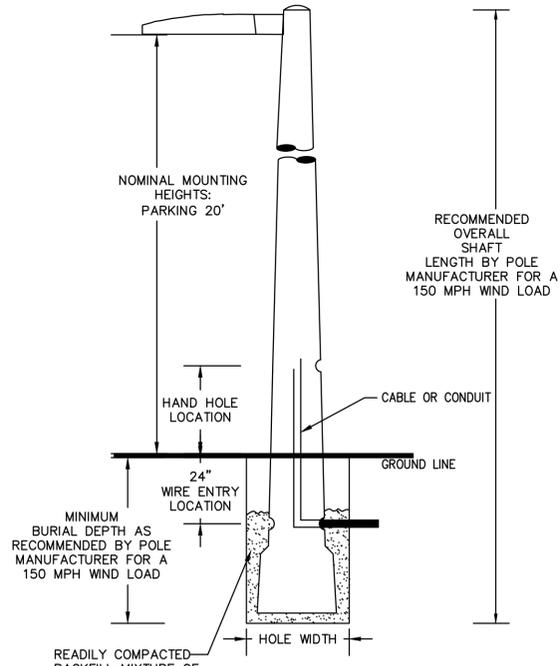
Warranty
Five-year warranty.

1-10 Light Squares Solid State LED AREA/SITE LUMINAIRE

CERTIFICATION DATA
Quick, Wet Location Listed ISO 9001
LUMENS/LAMB Compliant
3G Vibration Rated
IP66 Rated
DesignLight Consortium® Qualified*

ENERGY DATA
Electronic LED Driver
+5.9 Power Factor
~20% Total Harmonic Distortion
120V/277V Options
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

ENERGY STAR



DIRECT BURIAL FIBERGLASS POLE DETAIL

- NOTE:**
1. PROVIDE FIBERGLASS POLE FOR DIRECT BURIAL APPLICATION.
 2. COORDINATE EXACT LOCATION OF POLES WITH LANDSCAPE AND SITE CONTRACTOR PRIOR TO INSTALLATION OF SITE LIGHTING POLES, NOTIFY ENGINEER OF CONFLICTS.



NICHOLAS V. ALERS, P.E.
FL. P.E. 48176

DATE: MAR 2022
PROJECT NO.: AE22-020
DRAWN BY: NVA
CHECKED BY: NVA
SCALE: 1"= 20'
SHEET: EL1