Docusign Envelope ID: C61708CF-077F-4791-BA34-8F40F30C93CD

LUMINAIRE SCHEDULE								
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	VOLTS	QUANTITY
RDWY		(1) 75W LED Array, LED	ATB0 SERIES 73W LED 1050MA TYPE 2 4000K CCT	ELECTRONIC	30' POLE	American Electric Lighting, ATB0 ROADWAY LED	120V 1P 2W	79

PHASE	# OF POLES	POLE #
PHASE 1	38 POLES	(1-38)
PHASE 2	21 POLES	(39-59)
PHASE 3	20 POLES	(60-79)
TOTAL	79 POLES	

Roadway Lighting	
AVERAGE FOOT-CANDLES	0.61
MAXIMUM FOOT-CANDLES	1.4
MINIMUM FOOT-CANDLES	0.2
MINIMUM TO MAXIMUM FC RATIO	0.11
MAXIMUM TO MINIMUM FC RATIO	8.88
AVERAGE TO MINIMUM FC RATIO	3.95

DUKE ENERGY. PROGRESS

Outdoor Lighting

Roadway LED

Light distribution pattern

Light source: LED *(white)*
Lumens: 4,807 – 25,050 *(fixture dependent)*

Wattage	Light Pattern	IESNA Backlight-Uplight – Glare (BUG) Rating
LED 50	IESNA Type III *(medium oval)*	B1-U0-G1
LED 85	IESNA Type II *(long oval)*	B1-U0-G1
LED 105	IESNA Type II *(long oval)*	B2-U0-G1
LED 150	IESNA Type III *(medium oval)*	B2-U0-G2
LED 215	IESNA Type III *(medium oval)*	B3-U0-G3
LED 280	IESNA Type III *(medium oval)*	B3-U0-G4

Color temperature: 4,000K
Warm-up and restrike time: Instant on *(no warm-up or restrike time)*

Poles available:

Name	Mounting height	Color
Fiberglass	29', 30', 35'	Black
Fiberglass	29', 30', 35'	Black *(additional cost)*
Wood	29', 30', 35'	Standard
Metal *(special conditions)**	29', 30', 35'	Gray

Features	Benefits
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today ... and tomorrow

** raised foundation available when required.*

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DUKE ENERGY. PROGRESS

Outdoor Lighting

Roadway LED

The Roadway LED is a green solution and great fit for streets, roads, long, narrow areas and parking lots. This energy-efficient luminaire delivers the light where it is needed while increasing visibility and reducing spill light to adjoining properties. Choose low to medium light output on wood or fiberglass poles (or mount on an existing pole). Available with one to four fixtures per pole, depending on the fixture/pole combination selected.

LED *(Light Emitting Diode)*	50 | 85 | 105 | 150 | 215 | 280 watts
Mounting heights	29' | 30' | 35'
Color	Black
Poles	Fiberglass *(additional cost for metal/Corten)* Wood

For additional information, visit us at duke-energy.com/Outdoor-Lighting or call us toll free at 866.769.6417.

WithersRavenel
167 E. Chatham St. | Suite 210 | Cary, NC 27511
License #: F-1479 | t: 919.238.0330 | www.withersravenel.com

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1225 CRESCENT GREEN DRIVE, SUITE 225
CARY, NC 27518

CONSTRUCTION INFRASTRUCTURE DRAWINGS
BROADMOOR
CID-24-06
ROLESVILLE ROAD | ROLESVILLE, NC 27587 | WAKE COUNTY

NORTH CAROLINA LANDSCAPE ARCHITECT 2077 BRIAN C. WHATLEY
Signature: Brian C. Whatley
5/27/2025

0 100 200
SCALE: 1 inch = 200 ft.

INITIAL PLAN DATE: 11/01/2024
REVISIONS:
1 - 01/02/2025
REVISED PER REVIEW COMMENTS
2 - 03/03/2025
REVISED PER REVIEW COMMENTS
3 - 03/28/2025
REVISED PER WAKE CO. COMMENTS
4 - 05/01/2025
REVISED PER REVIEW COMMENTS
-

WR JOB NUMBER		23-0045
DRN: WR	DGN: WR	CKD: WR

LIGHTING EXHIBIT

SL1.00

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