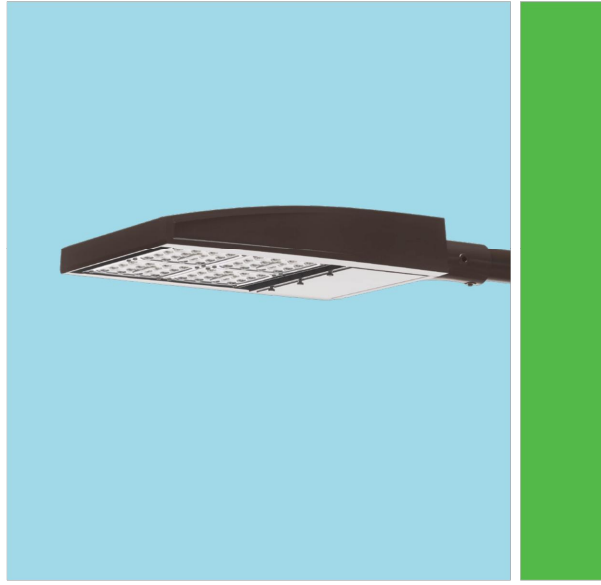## Outdoor Lighting
Shoebox LED

The energy-efficient Shoebox LED combines a decorative, contemporary style with versatility and ample lighting effect that is perfect for streets, parking lots, commercial buildings and residential communities. The Shoebox LED provides excellent color rendition along with a controlled light pattern that reduces glare and keeps the light directed only where you want it. Available in black, dark bronze, gray or white with one to four fixtures per pole.

LED *(Light Emitting Diode)*	150, 220, 420, 530 watts
Mounting heights	25', 30', 35'
Colors	Black / Bronze / Gray / White
Poles	Fiberglass (1 or 2 fixtures per pole) / Decorative tapered metal / Decorative square metal

Note: 35' pole available in black or bronze only.

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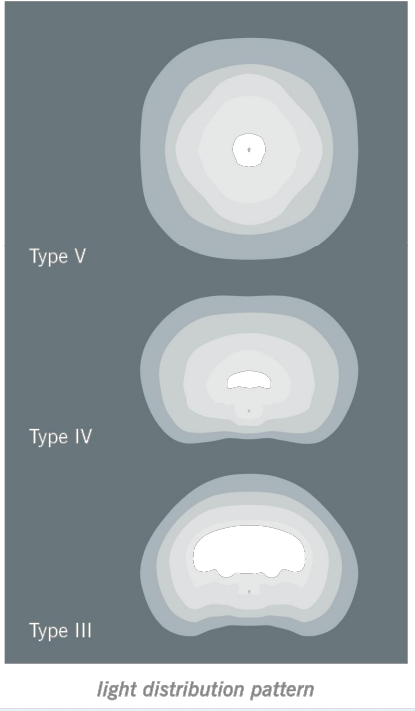duke-energy.com/OutdoorLighting
or call us toll free at 866.769.6417.

DUKE ENERGY® PROGRESS
BUILDING A *SMARTER* ENERGY FUTURE®

Outdoor Lighting
Shoebox LED

Light source: LED (white)
Replacement for: LED Wattage 150 – 250-watt HPS and metal halide;
LED Wattage 205 – up to 400-watt metal halide;
LED Wattage 530 – 1,000-watt metal halide

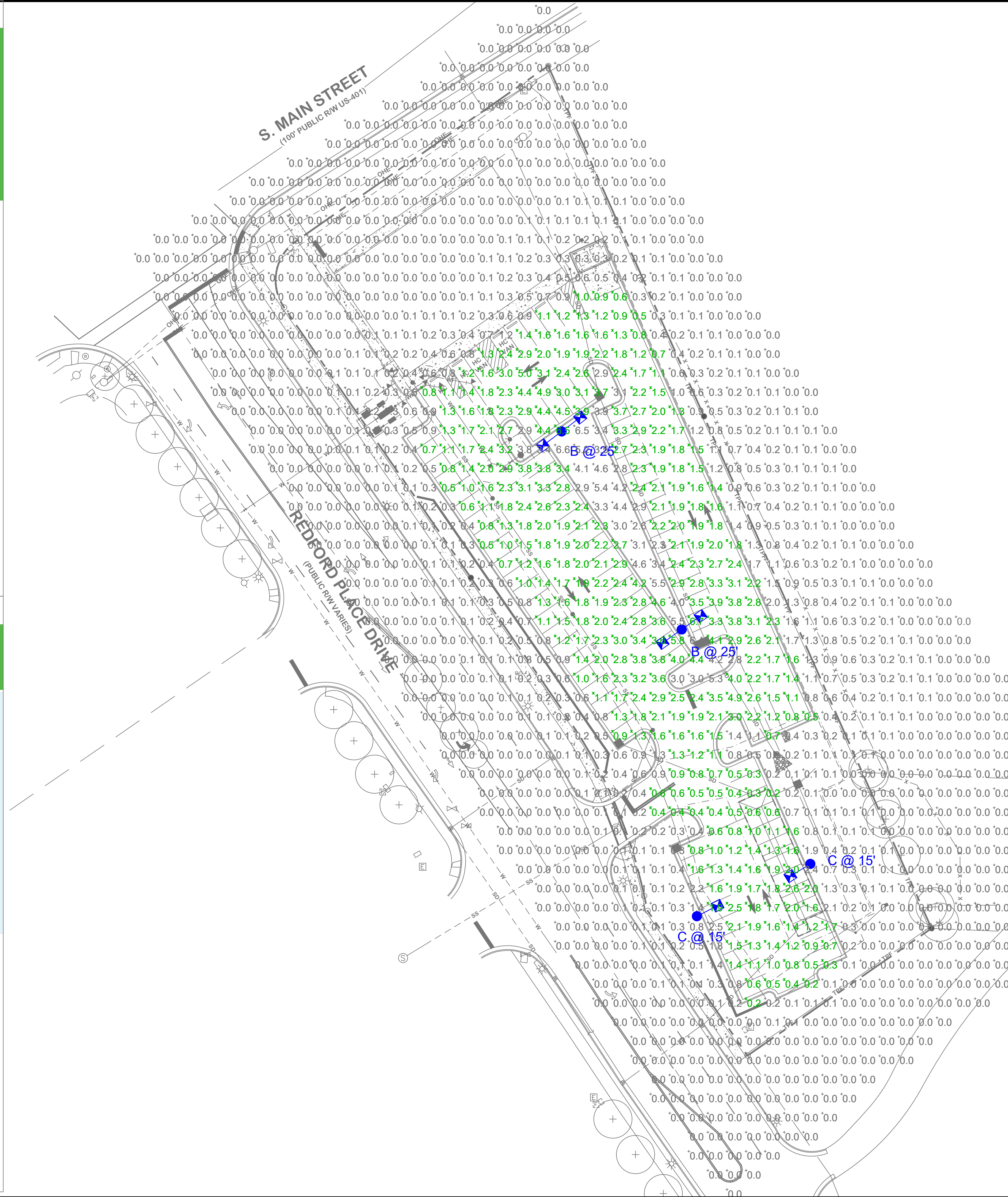**Warm-up and restrike time:** Instant on (no warm-up or restrike time)

Wattage	BUG Rating	Light Pattern	Lumens	Color Temp
LED 150	B5-U0-G3	IESNA Type V (circular)	19580	
LED 150	B3-U0-G4	IESNA Type IV (forward throw)	18459	
LED 150	B2-U0-G3	IESNA Type III (oval)	19006	
LED 220	B5-U0-G3	IESNA Type V (circular)	25870	4,000K
LED 220	B3-U0-G4	IESNA Type IV (forward throw)	24390	
LED 220	B2-U0-G3	IESNA Type III (oval)	25114	
LED 420	B5-U0-G5	IESNA Type V (circular)	48514	
LED 420	B3-U0-G5	IESNA Type IV (forward throw)	43765	
LED 530	B5-U0-G5	IESNA Type V (circular)	60296	
LED 530	B3-U0-G5	IESNA Type IV (forward throw)	54395	

* These are approximate replacement suggestions; actual conditions could be different.

light distribution pattern: Type V / Type IV / Type III

Poles available:

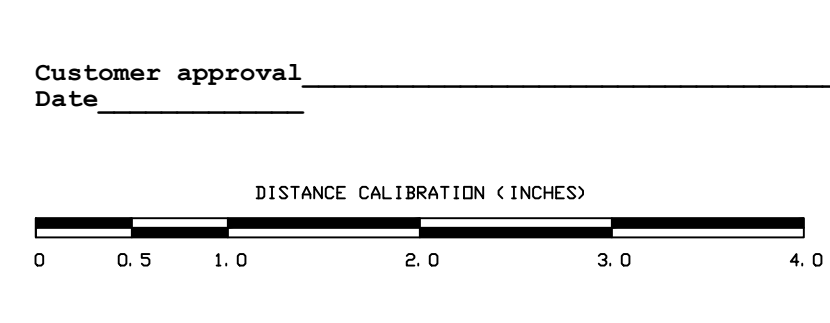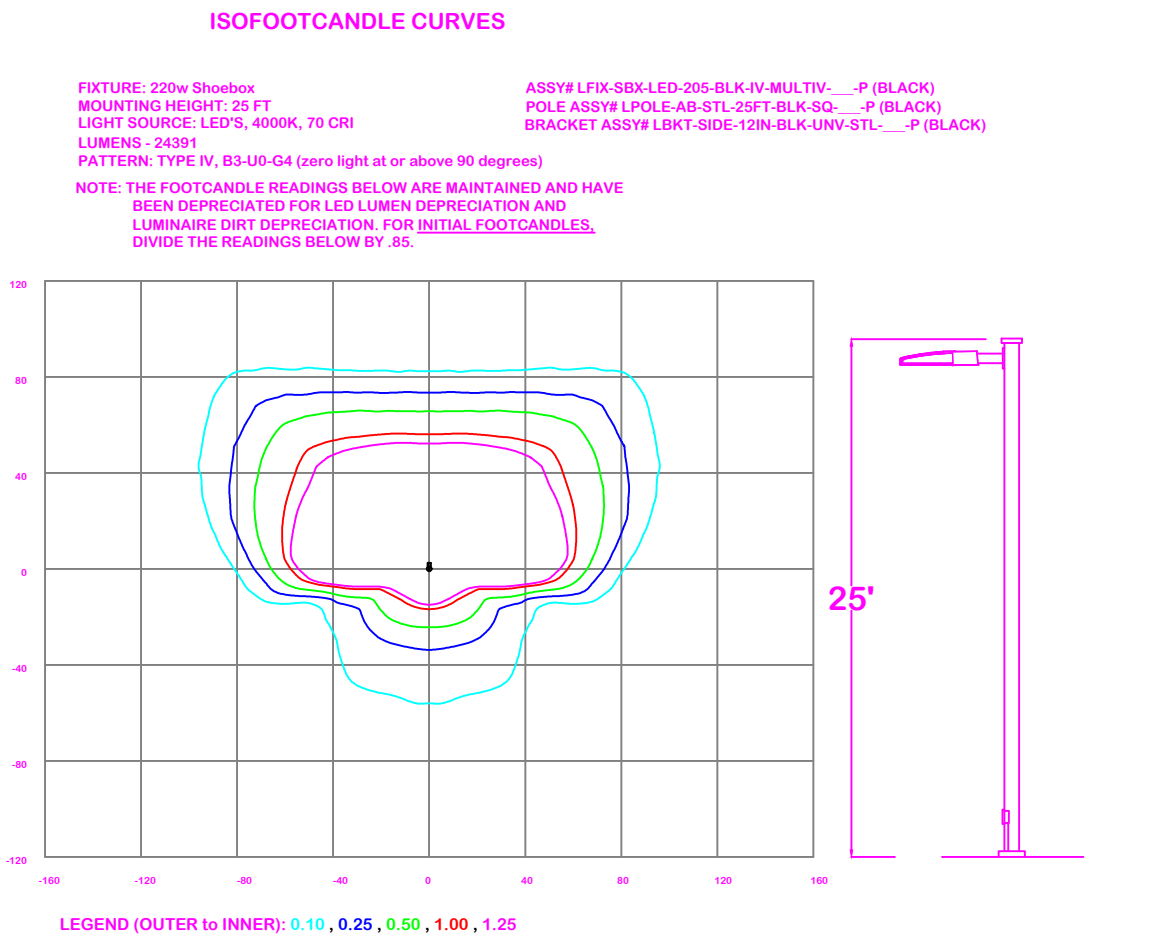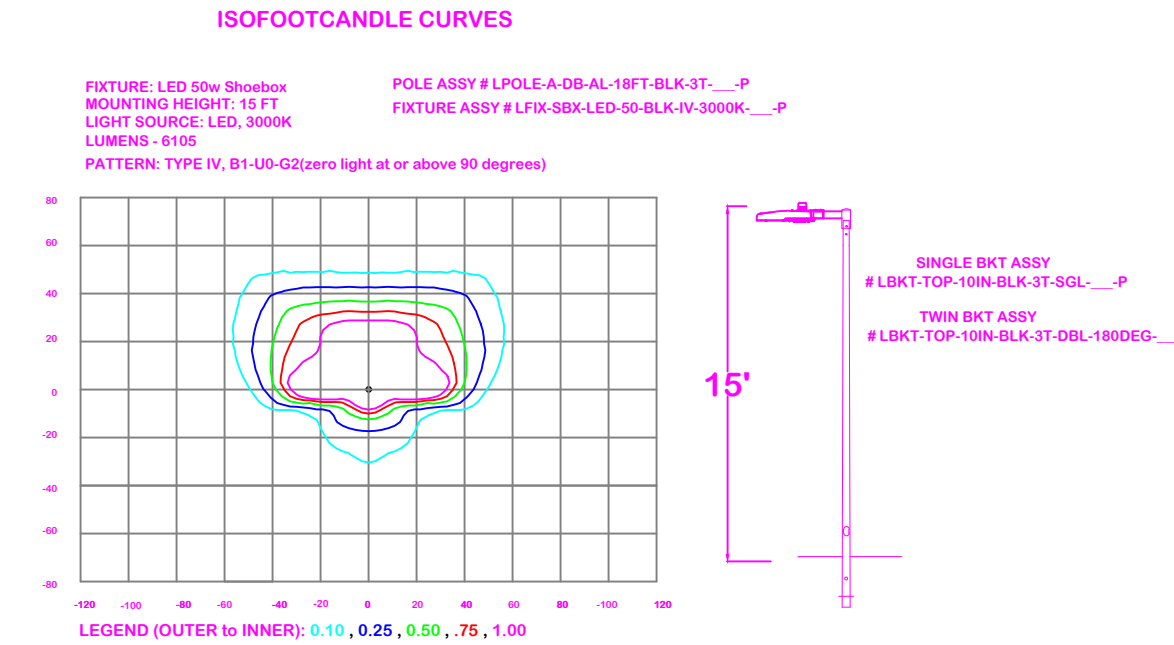| Name	Mounting height	Color
Round tapered decorative metal*	35'	Black / Bronze
Decorative square metal*	25' and 30'	Black Gray / Bronze White
Fiberglass	30'	Black (1 or 2 fixtures per pole) / Gray (1 or 2 fixtures per pole)

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

'2' raised foundation available when required on metal poles only.

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S. MAIN STREET
(100' PUBLIC R/W US-401)

REDFORD PLACE DRIVE
(PUBLIC R/W VARIES)

B @ 25'
B @ 25'
C @ 15'
C @ 15'

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking	✳	2.0 fc	6.7 fc	0.2 fc	33.5:1	10.0:1

Schedule

Symbol	Label	Quantity	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor
	B	2	LED 220w Shoebox - Type IV - 4000K	64	381	0.85
	C	2	LED 50w Shoebox - Type IV - 3000K	16	382	0.85

ISOFOOTCANDLE CURVES

FIXTURE: LED 50w Shoebox
MOUNTING HEIGHT: 15 FT
LIGHT SOURCE: LED, 3000K
LUMENS: 6105
PATTERN: TYPE IV, B1-U0-G2 (zero light at or above 90 degrees)

POLE ASSY #LPOLE-A-DB-AL-15FT-BLK-3T-...-F
FIXTURE ASSY #LFIX-SBX-LED-50-BLK-IV-3000K-...-F

SINGLE BKT ASSY
#LBKT-TOP-10N-BLK-3T-SGL-...-F
TWIN BKT ASSY
#LBKT-TOP-10N-BLK-3T-DBL-180DEG-...-F

15'

LEGEND (OUTER to INNER): 0.10 , 0.25 , 0.50 , .75 , 1.00

ISOFOOTCANDLE CURVES

FIXTURE: 220w Shoebox
MOUNTING HEIGHT: 25 FT
LIGHT SOURCE: LED'S, 4000K, 70 CRI
LUMENS: 24391
PATTERN: TYPE IV, B3-U0-G4 (zero light at or above 90 degrees)
NOTE: THE FOOTCANDLE READINGS BELOW ARE MAINTAINED AND HAVE BEEN DEPRECIATED FOR LED LUMEN DEPRECIATION AND LUMINAIRE DIRT DEPRECIATION. FOR INITIAL FOOTCANDLES, DIVIDE THE READINGS BELOW BY .85.

ASSY #LFIX-SBX-LED-205-BLK-IV-MULTIV-...-F (BLACK)
POLE ASSY# LPOLE-AB-STL-25FT-BLK-SQ-...-F (BLACK)
BRACKET ASSY# LBKT-SIDE-10N-BLK-UNV-STL-...-F (BLACK)

25'

LEGEND (OUTER to INNER): 0.10 , 0.25 , 0.50 , 1.00 , 1.25

Customer approval_____
Date_____

DISTANCE CALIBRATION (INCHES)
0   0.5   1.0   2.0   3.0   4.0

DUKE ENERGY® PROGRESS

101 REDFORD PLACE
Rolesville, NC
SITE LIGHTING PLAN

Designed by	DEP LIGHTING SOLUTIONS
Reviewed by	T. Ferguson
Date	02/01/22
Description	LED 220w Shoebox
Drawing No.	21-0375B

Scale 1" = 30'
Size "Arch D"
Sht. 1 OF 1

REV#	DATE	REVISION	BY
Rev B	02/01/22	Town Comments	NJ
Rev A	11/18/2021	LED 220w Shoebox	NJ