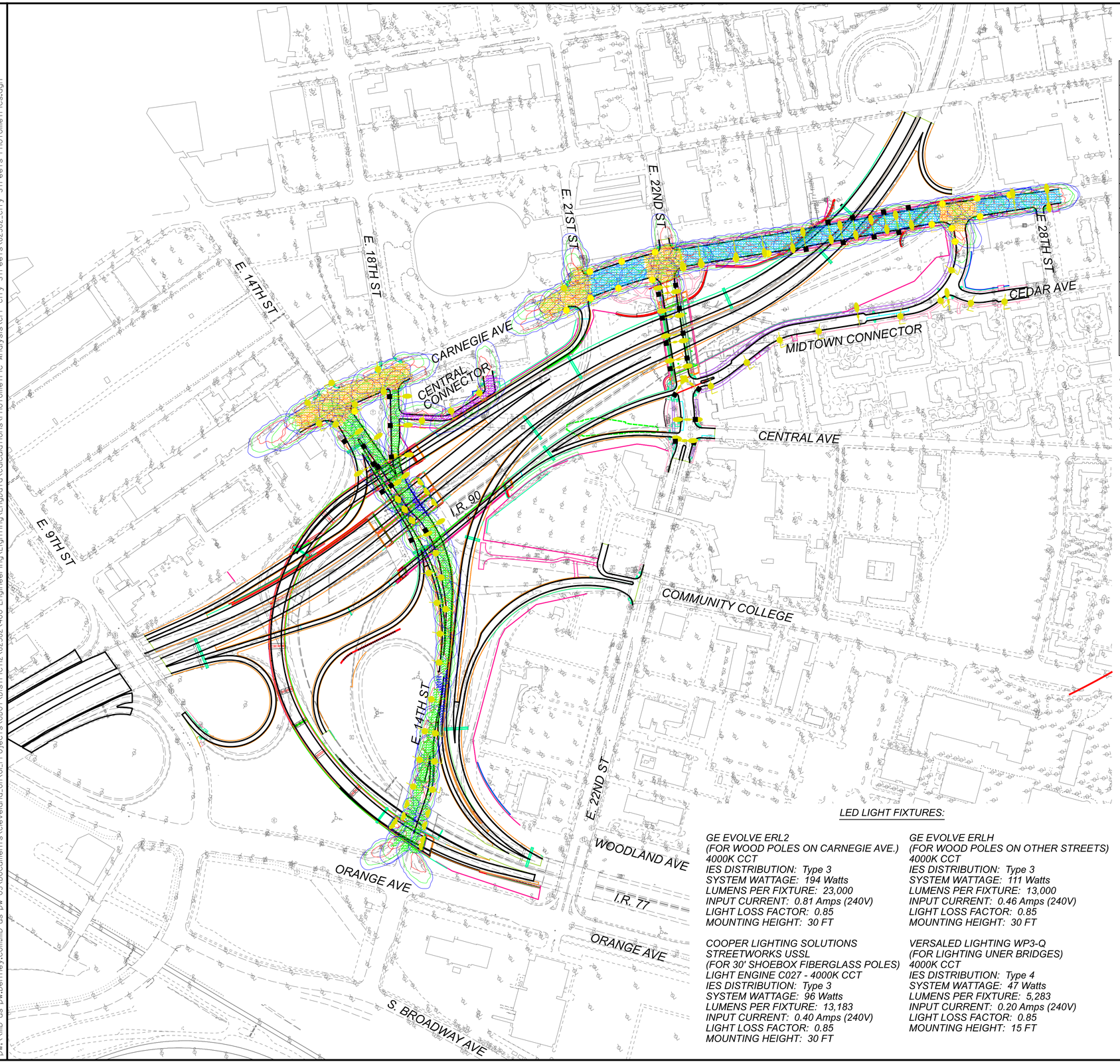


SUMMARY OF ROADWAY PHOTOMETRICS

SEGMENT	AVERAGE	MINIMUM	UNIFORMITY (AVG/MIN)	UNIFORMITY (MAX/MIN)
E. 14TH ST. NB	1.5	0.5*	3.0:1	8.2:1
E. 14TH ST. SB	1.7	0.6*	2.8:1	6.0:1
E. 18TH ST.-E. 14TH ST. NB TO CARNEGIE AVE.	1.4	1.0	1.4:1	2.1:1
INTX.-CARNEGIE AVE., E. 14TH ST. & E. 18TH ST.	2.6	1.4	1.9:1	3.9:1
INTX.-CARNEGIE AVE. & E. 21ST ST.	2.9	1.6	1.8:1	3.4:1
CARNEGIE AVE.-E. 21ST ST. TO E. 22ND ST.	2.4	1.6	1.5:1	3.1:1
INTX-CARNEGIE AVE. & E. 22ND ST.	3.1	1.5	2.1:1	4.0:1
CARNEGIE AVE.-E. 22ND ST. TO MIDTOWN CONNECTOR	3.0	1.5	2.0:1	4.0:1
INTX.-CARNEGIE AVE. & MIDTOWN CONNECTOR	2.9	1.5	1.9:1	3.3:1
CARNEGIE AVE.-MIDTOWN CONNECTOR TO END	3.2	1.8	1.8:1	3.0:1
CENTRAL CONNECTOR-E. 18TH ST. TO END	1.2	0.6	2.0:1	4.3:1

** VALUE DOES NOT MEET DESIGN CRITERIA. SEE TABLE 1 IN CITY STREET PHOTOMETRIC ANALYSIS MEMO FOR DESIGN CRITERIA FOR EACH CITY STREET.*

NOTE:
PHOTOMETRIC ANALYSIS OF E. 22ND STREET AND MIDTOWN CONNECTOR IS INCLUDED ON EXHIBIT B.

PLAN LEGEND (CITY STREETS):

- *WOOD POLE, EXISTING W/ NEW CPP 1 LED LUMINAIRE, 30' HEIGHT (BY PROJECT)*
- *CPP WOOD POLE W/ 1 LED LUMINAIRE, 30' HEIGHT (BY PROJECT)*
- *CPP BRONZE SHOEBOX POLE W/ 1 LED LUMINAIRE, 30' HEIGHT (BY PROJECT)*
- *CPP UNDERPASS LED LUMINAIRE (BY PROJECT)*
- *EXISTING STREET LIGHTING TO REMAIN*

LED LIGHT FIXTURES:

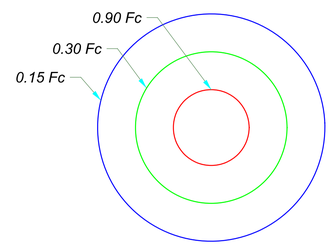
GE EVOLVE ERL2
(FOR WOOD POLES ON CARNEGIE AVE.)
4000K CCT
IES DISTRIBUTION: Type 3
SYSTEM WATTAGE: 194 Watts
LUMENS PER FIXTURE: 23,000
INPUT CURRENT: 0.81 Amps (240V)
LIGHT LOSS FACTOR: 0.85
MOUNTING HEIGHT: 30 FT

COOPER LIGHTING SOLUTIONS STREETWORKS USSL
(FOR 30' SHOEBOX FIBERGLASS POLES)
LIGHT ENGINE C027 - 4000K CCT
IES DISTRIBUTION: Type 3
SYSTEM WATTAGE: 96 Watts
LUMENS PER FIXTURE: 13,183
INPUT CURRENT: 0.40 Amps (240V)
LIGHT LOSS FACTOR: 0.85
MOUNTING HEIGHT: 30 FT

GE EVOLVE ERLH
(FOR WOOD POLES ON OTHER STREETS)
4000K CCT
IES DISTRIBUTION: Type 3
SYSTEM WATTAGE: 111 Watts
LUMENS PER FIXTURE: 13,000
INPUT CURRENT: 0.46 Amps (240V)
LIGHT LOSS FACTOR: 0.85
MOUNTING HEIGHT: 30 FT

VERSALED LIGHTING WP3-Q
(FOR LIGHTING UNER BRIDGES)
4000K CCT
IES DISTRIBUTION: Type 4
SYSTEM WATTAGE: 47 Watts
LUMENS PER FIXTURE: 5,283
INPUT CURRENT: 0.20 Amps (240V)
LIGHT LOSS FACTOR: 0.85
MOUNTING HEIGHT: 15 FT

TYPICAL CONTOUR VALUES



HORIZONTAL SCALE IN FEET
0 100 200 400

EXHIBIT A: CCG3A PHOTOMETRIC ANALYSIS CITY STREETS

CUY-90-16.28

MODEL: Photometric Exhibit Sheet PAPERSIZE: 34x22 (In.) DATE: 1/2/2024 TIME: 11:51:56 AM USER: Jennifer.DeVale
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DESIGN AGENCY
Michael Baker INTERNATIONAL

DESIGNER JLD
REVIEWER SM ---
PROJECT ID 82382
SHEET - TOTAL -