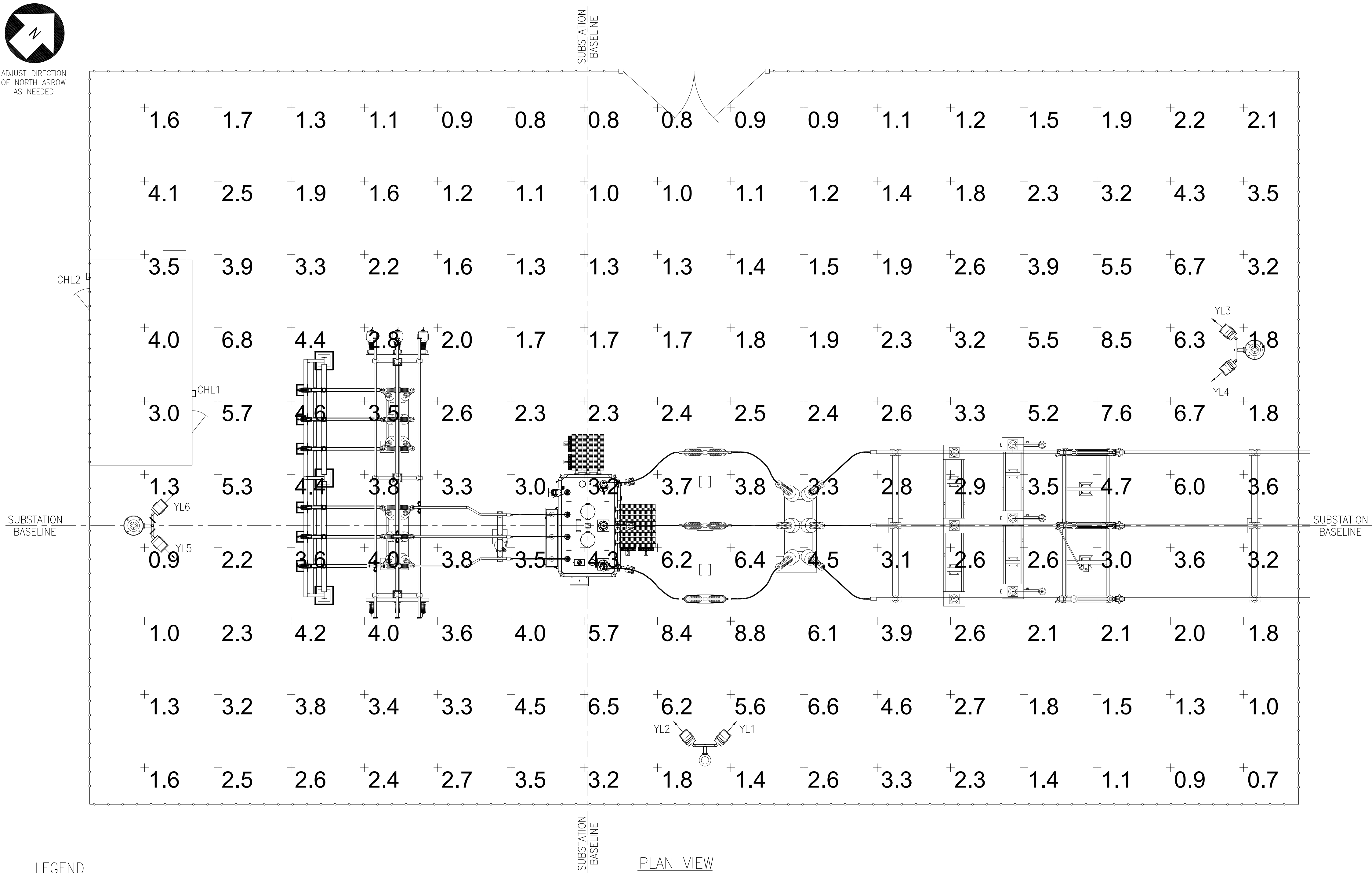
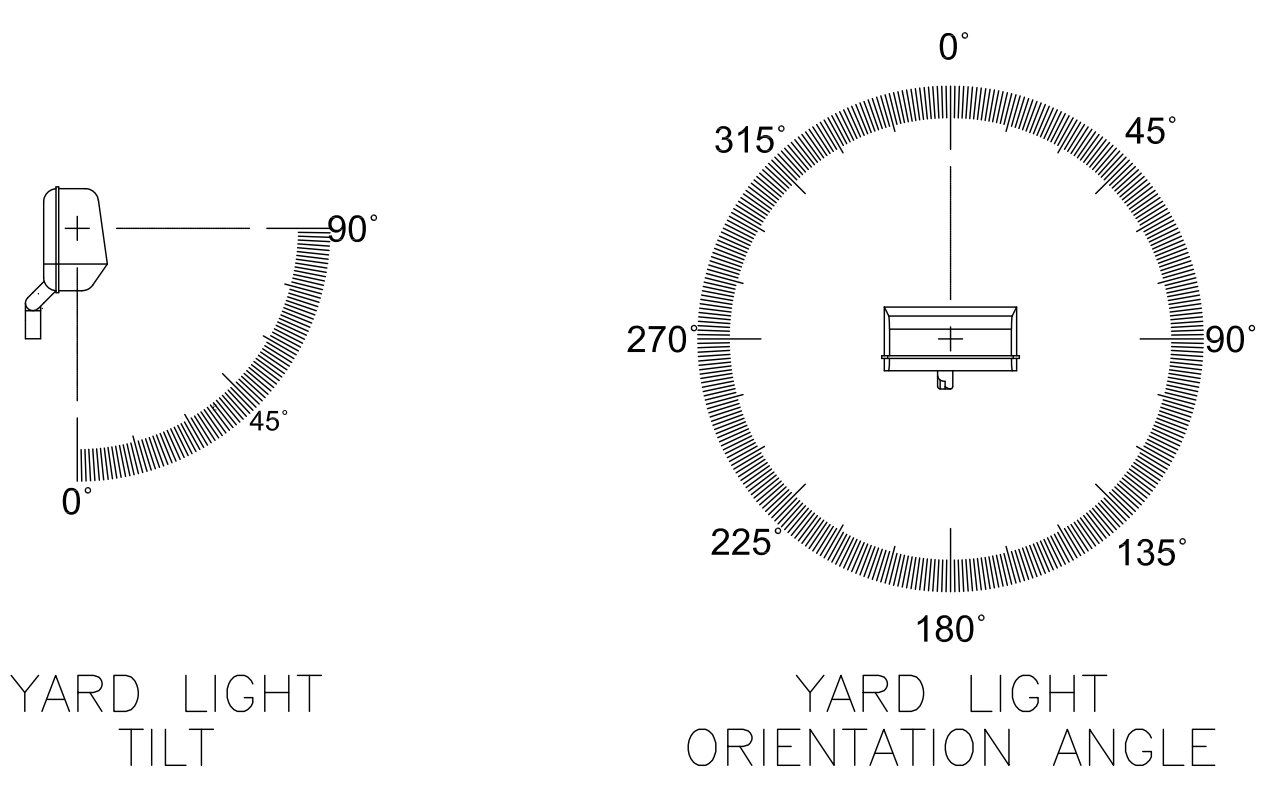


ADJUST DIRECTION OF NORTH ARROW AS NEEDED



YARD LIGHTING SCHEDULE						
LIGHT NO.	TYPE	WATTAGE	MOUNTING HEIGHT	ORIENTATION	TILT (DEGREES)	PANEL/CCT. #
YL1	TFLU 250S	250W	30FT	40	60	---
YL2	TFLU 250S	250W	30FT	320	60	---
YL3	TFLU 250S	250W	30FT	310	60	---
YL4	TFLU 250S	250W	30FT	230	60	---
YL5	TFLU 250S	250W	30FT	135	80	---
YL6	TFLU 250S	250W	30FT	45	80	---
CHL1	TWA 70S	70W	10FT	---	---	---
CHL2	TWA 70S	70W	10FT	---	---	---

STATISTICS - OVERALL SITE						
DESCRIPTION	SYMBOL	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVERAGE/MIN
SITE	+	3.0 fc	8.8 fc	0.7 fc	12.6:1	4.3:1



NOTES:

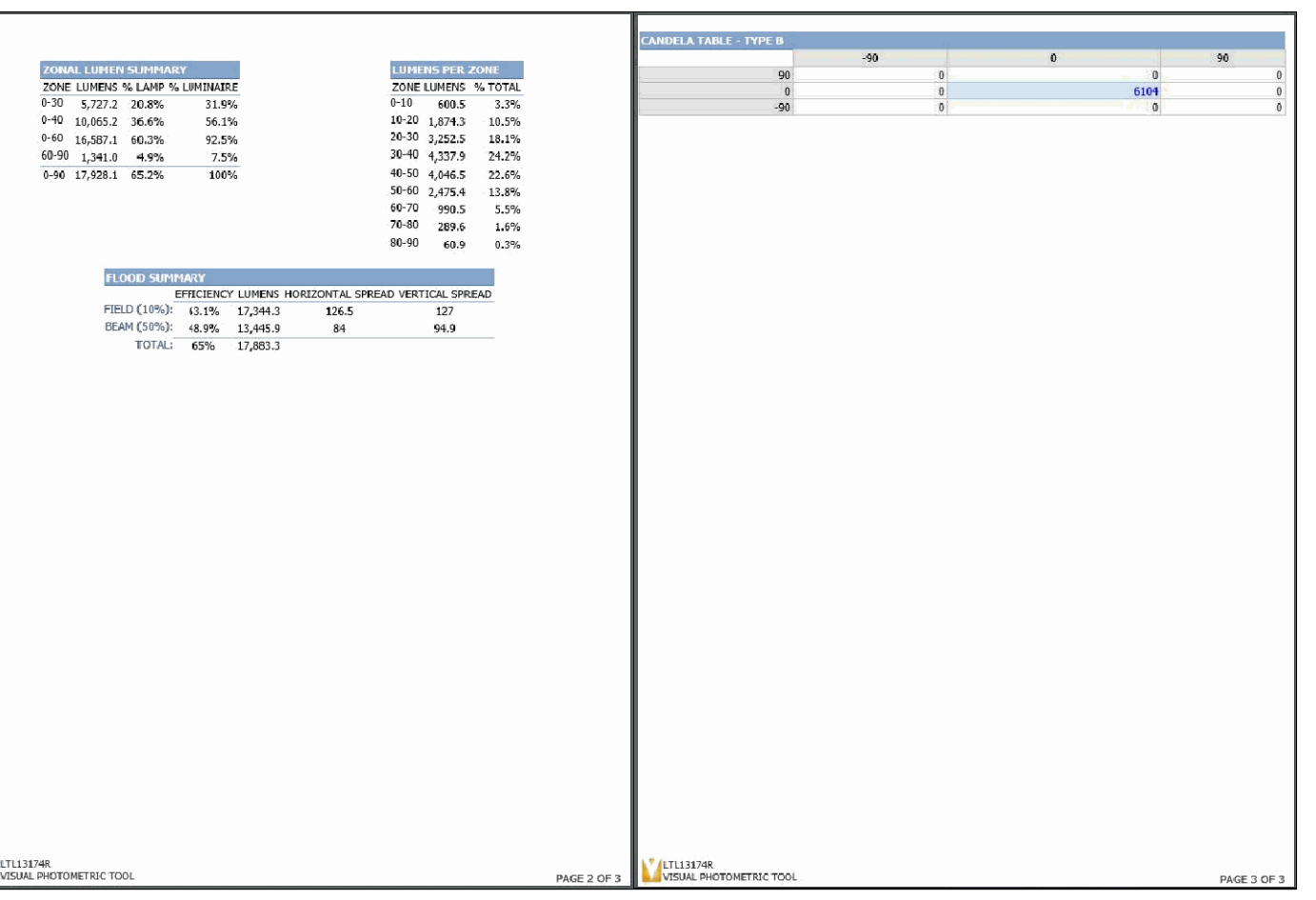
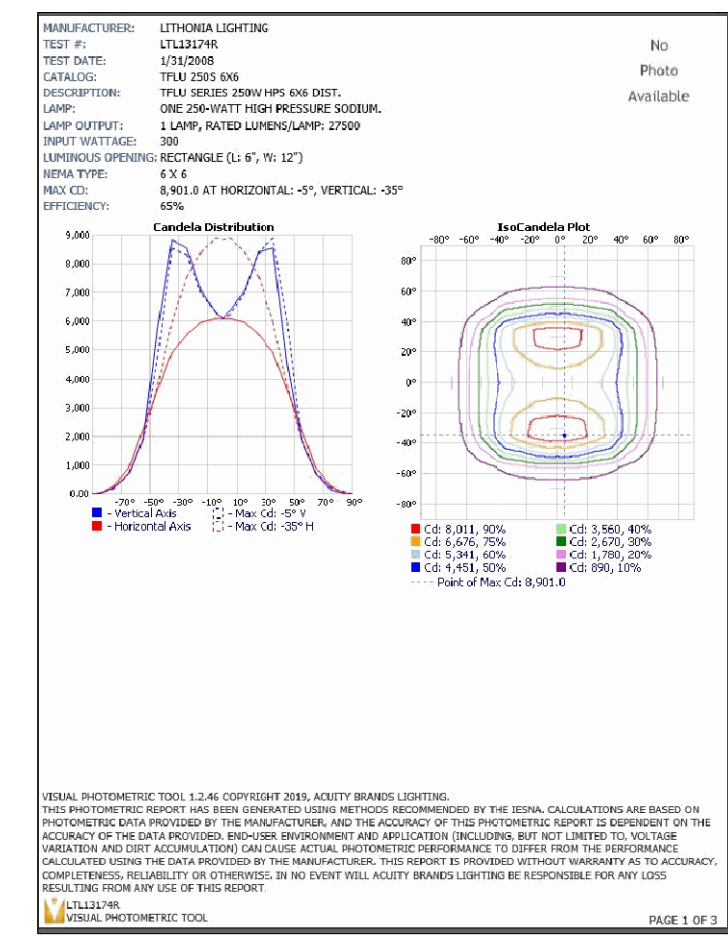
1. YARD FLOOD FIXTURES YL1, YL2, YL3, YL4, YL5 & YL6 ARE MOUNTED 30'-0" ABOVE FINISHED GRADE.
2. EXTERIOR CONTROL HOUSE FIXTURES CHL1 & CHL2 ARE MOUNTED 10'-0" ABOVE FINISHED GRADE.
3. INCIDENT LIGHT LEVEL POINTS ARE SPACED AT 10' X 10'.
4. THE AVERAGE ILLUMINATION IN THE SUBSTATION YARD IS 3.4 FOOTCANDLES.
5. SECURITY LIGHTING WILL BE CONTROLLED VIA PHOTOCELL AND MAINTENANCE LIGHTING WILL BE CONTROLLED VIA SWITCHES IN THE CONTROL ENCLOSURE.
6. LIGHTING CALCULATIONS WERE PERFORMED USING VISUAL 2016, VERSION 2.08.
7. OVERALL SITE LAYOUT INCLUDES PROPOSED PERIMETER AND PROPOSED WORK LIGHTING.
8. PERIMETER LIGHTING CONTROL OPTIONS ARE ON/OFF/AUTO.
9. WORK LIGHTING CONTROL OPTIONS ARE ON/OFF.

REFERENCE DRAWINGS:

- S-001 - COLLECTOR SUBSTATION POWER ONE LINE DIAGRAM
- S-002 - COLLECTOR SUBSTATION GENERAL ARRANGEMENT PLAN
- S-003 - COLLECTOR SUBSTATION ELEVATIONS & SECTIONS A-A, B-B
- S-004 - COLLECTOR SUBSTATION SECTIONS C-C, D-D
- S-006 - COLLECTOR SUBSTATION FENCE & GROUNDING PLAN
- S-007 - COLLECTOR SUBSTATION FENCE & GROUNDING DETAILS
- S-008 - COLLECTOR SUBSTATION CONTROL HOUSE ELECTRICAL LAYOUT PLAN

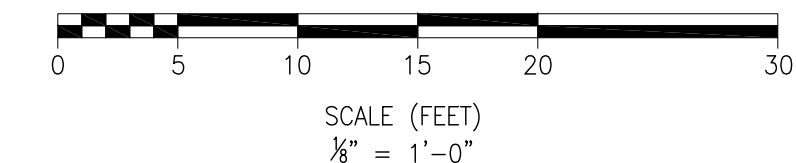
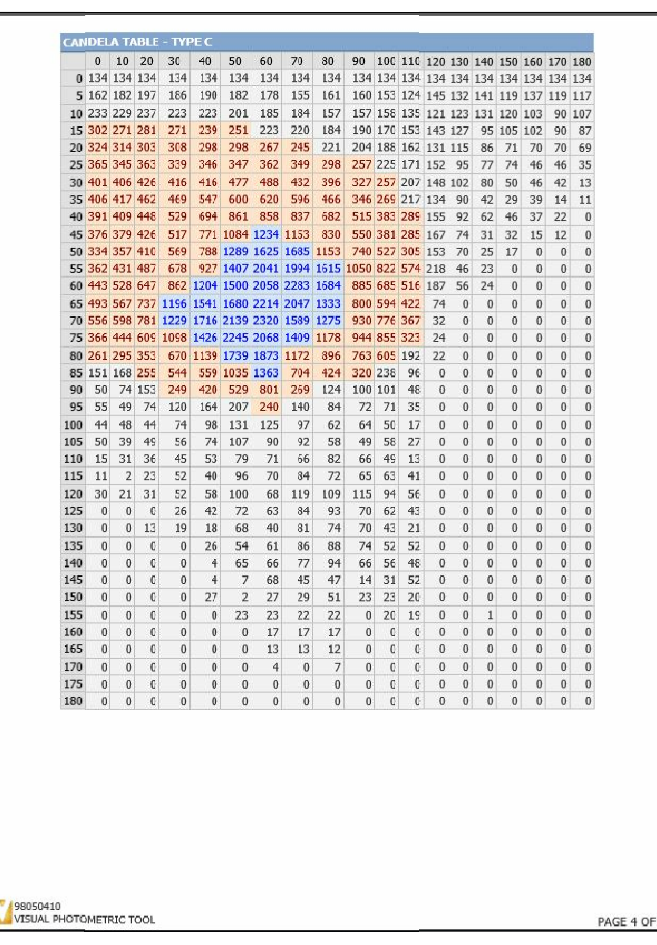
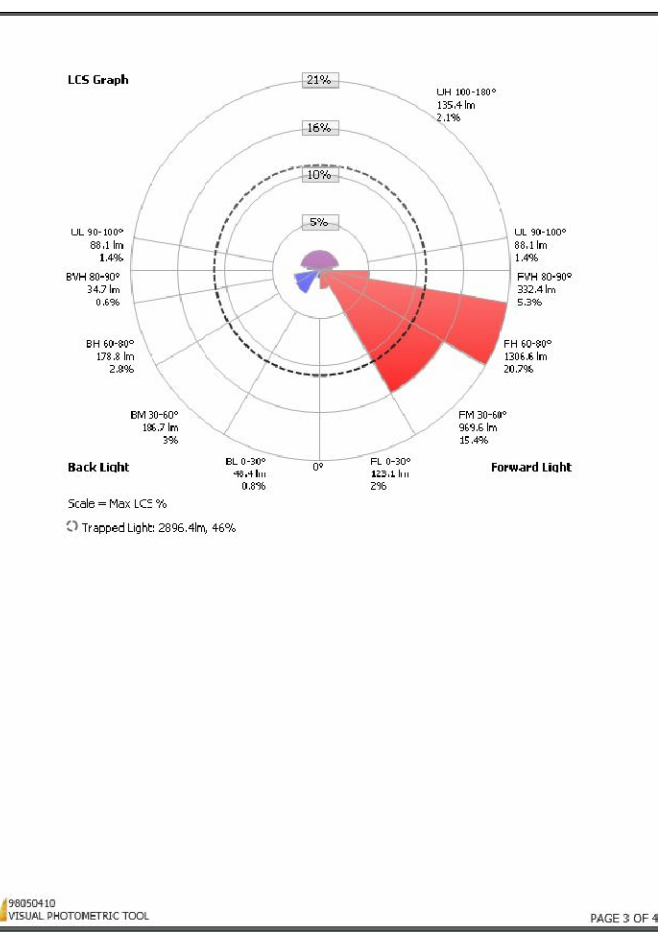
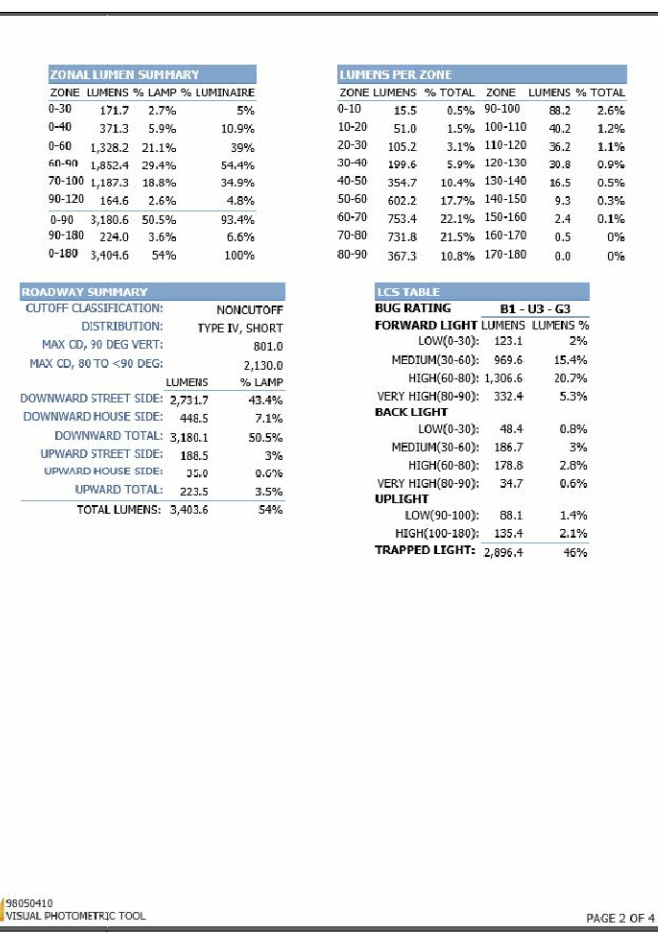
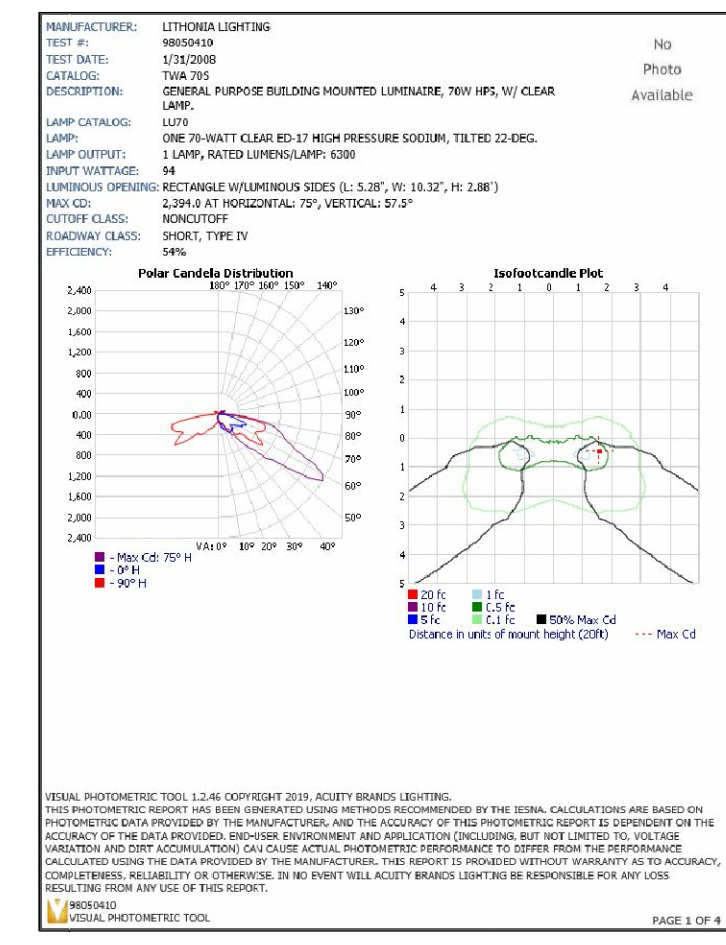
LEGEND

*"A" LIGHT FIXTURE, LITHONIA CONTOUR TFLU-250S (WOOD POLE MOUNTED)



PLAN VIEW

"C" LIGHT FIXTURE, LITHONIA CONTOUR TWA-70S (BUILDING MOUNTED)



PRELIMINARY NOT FOR CONSTRUCTION

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

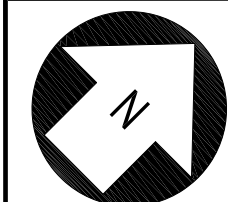
PRELIMINARY
COLLECTOR SUBSTATION YARD LIGHTING PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY
FLORIDA

ADD/REV	DATE	DES	CHK	APP
ADD/REV	06/20/19	AAD	DG	AKD
ADD/REV	06/20/19	AAD	DG	AKD

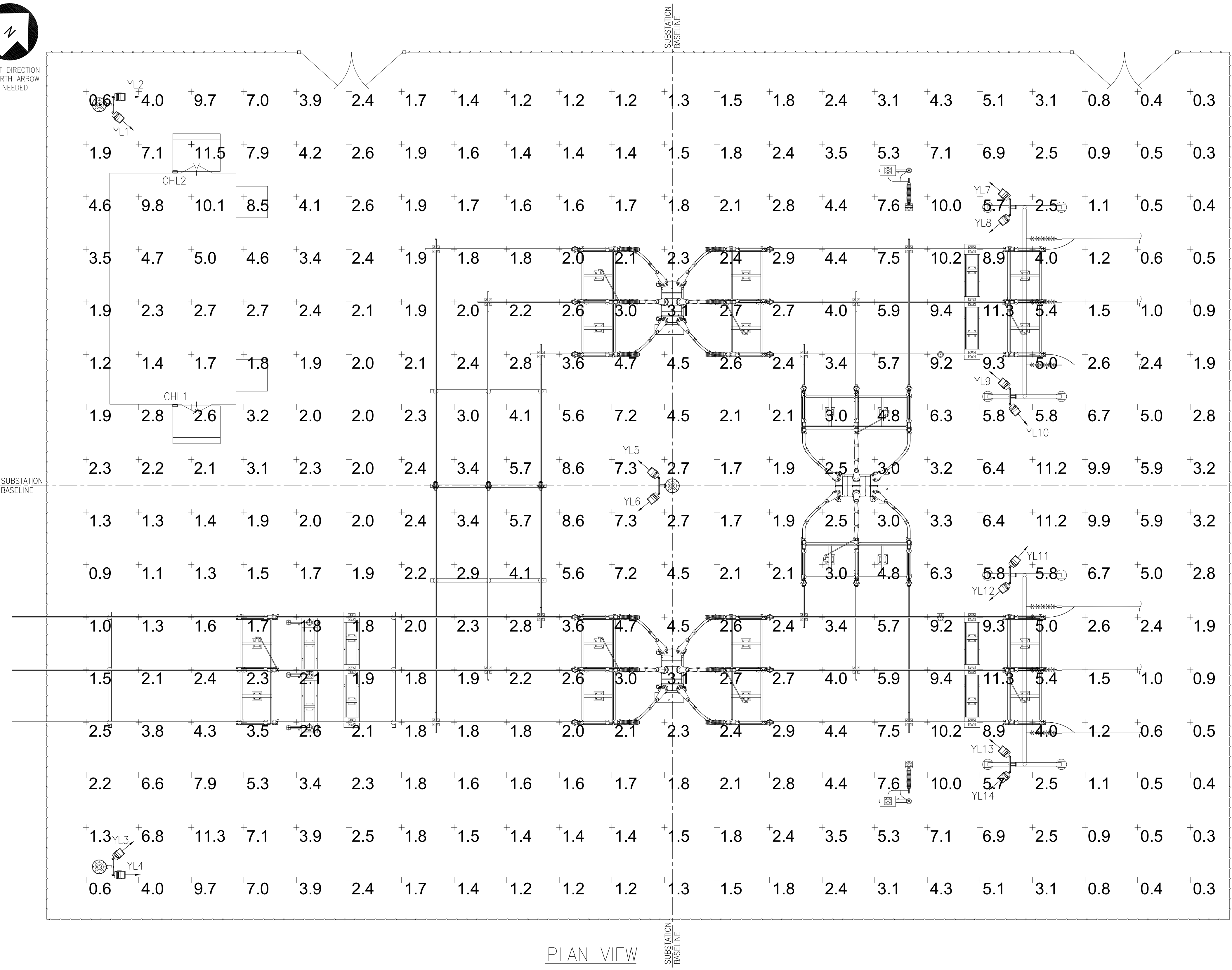
ISSUED FOR CLIENT REVIEW

DATE: 06/20/19
SCALE: 1/8"=1'-0"

S-005



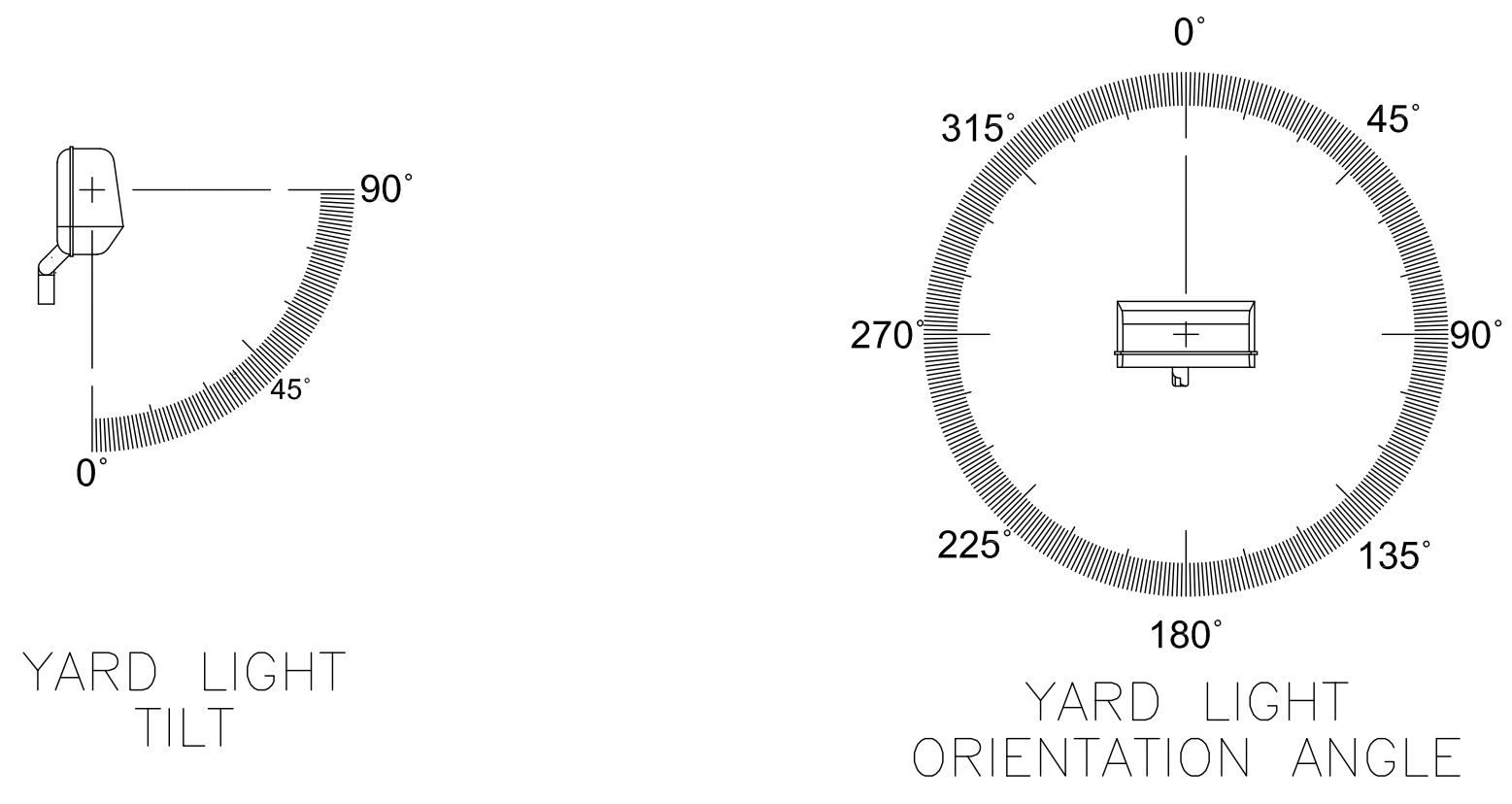
ADJUST DIRECTION OF NORTH ARROW AS NEEDED



PLAN VIEW

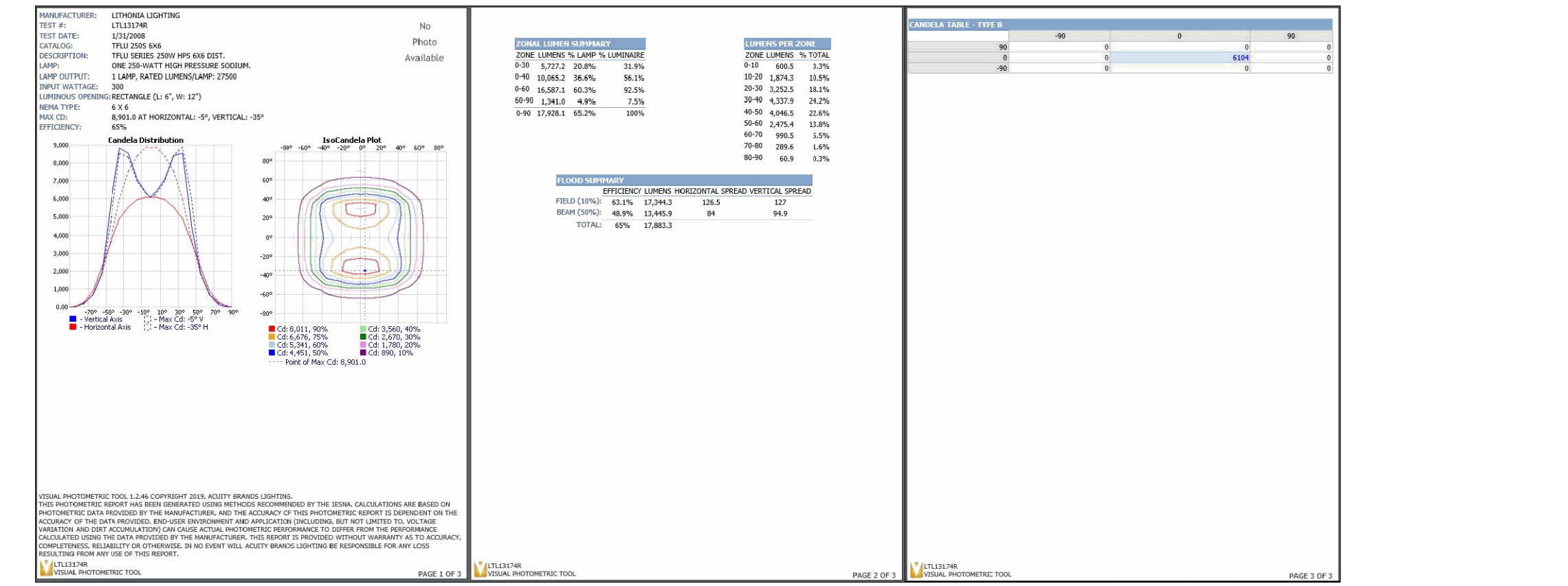
YARD LIGHTING SCHEDULE						
LIGHT NO.	TYPE	WATTAGE	MOUNTING HEIGHT	ORIENTATION	TILT (DEGREES)	PANEL/CCT. #
YL1	TFLU 250S	250W	30FT	130	60	---
YL2	TFLU 250S	250W	30FT	90	60	---
YL3	TFLU 250S	250W	30FT	60	60	---
YL4	TFLU 250S	250W	30FT	90	60	---
YL5	TFLU 250S	250W	30FT	310	60	---
YL6	TFLU 250S	250W	30FT	230	60	---
YL7	TFLU 250S	250W	30FT	310	60	---
YL8	TFLU 250S	250W	30FT	230	60	---
YL9	TFLU 250S	250W	30FT	310	60	---
YL10	TFLU 250S	250W	30FT	140	60	---
YL11	TFLU 250S	250W	30FT	40	60	---
YL12	TFLU 250S	250W	30FT	230	60	---
YL13	TFLU 250S	250W	30FT	310	60	---
YL14	TFLU 250S	250W	30FT	230	60	---
CHL1	TWA 70S	70W	10FT	---	---	---
CHL2	TWA 70S	70W	10FT	---	---	---

STATISTICS - OVERALL SITE						
DESCRIPTION	SYMBOL	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVERAGE/MIN
SITE	+	3.5 fc	11.5 fc	0.3 fc	38.3:1	11.7:1

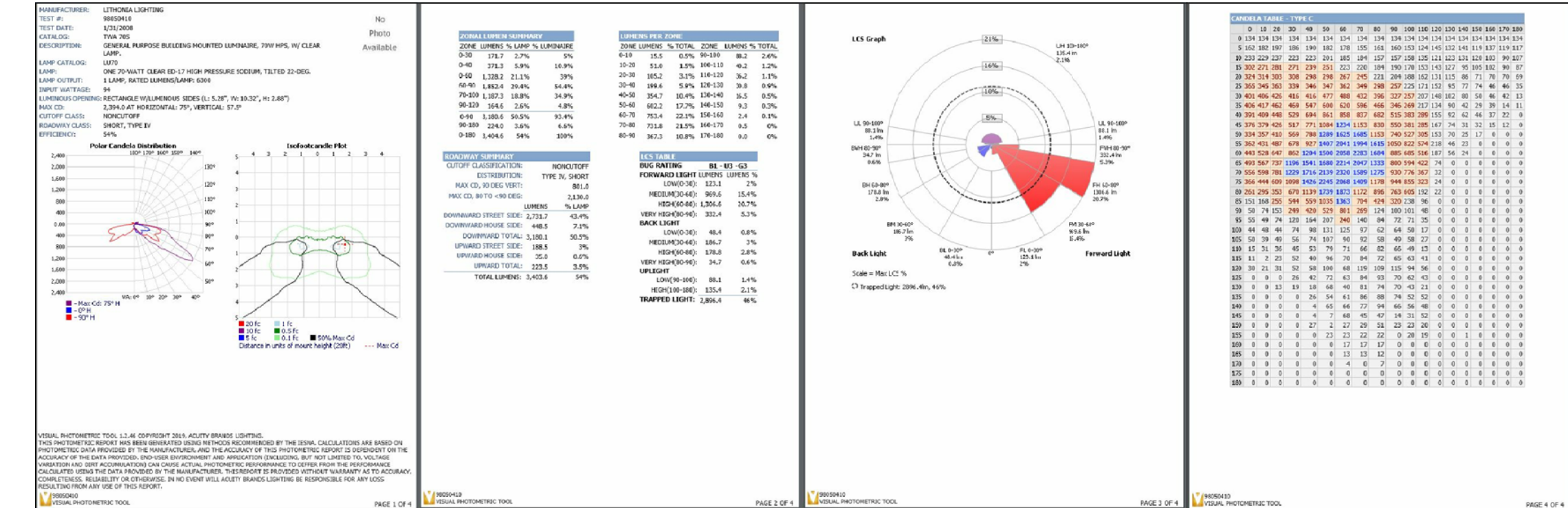


LEGEND

"A" LIGHT FIXTURE, LITHONIA CONTOUR TFLU-250S (WOOD POLE MOUNTED)



"C" LIGHT FIXTURE, LITHONIA CONTOUR TWA-70S (BUILDING MOUNTED)



- NOTES:
- ALL YARD FLOOD FIXTURES ARE MOUNTED 30'-0" ABOVE FINISHED GRADE.
 - EXTERIOR CONTROL HOUSE FIXTURES ARE MOUNTED 10'-0" ABOVE FINISHED GRADE.
 - INCIDENT LIGHT LEVEL POINTS ARE SPACED AT 10' X 10'.
 - THE AVERAGE ILLUMINATION IN THE SUBSTATION YARD IS 3.5 FOOTCANDLES.
 - SECURITY LIGHTING WILL BE CONTROLLED VIA PHOTOCELL AND MAINTENANCE LIGHTING WILL BE CONTROLLED VIA SWITCHES IN THE CONTROL ENCLOSURE.
 - LIGHTING CALCULATIONS WERE PERFORMED USING VISUAL 2016, VERSION 2.08.
 - OVERALL SITE LAYOUT INCLUDES PROPOSED PERIMETER AND PROPOSED WORK LIGHTING.
 - PERIMETER LIGHTING CONTROL OPTIONS ARE ON/OFF/AUTO.
 - WORK LIGHTING CONTROL OPTIONS ARE ON/OFF.

- REFERENCE DRAWINGS:
- S-009 - SWITCHYARD SUBSTATION POWER ONE-LINE DIAGRAM
 - S-010 - SWITCHYARD SUBSTATION GENERAL ARRANGEMENT PLAN
 - S-011 - SWITCHYARD SUBSTATION SECTIONS A-A, B-B
 - S-012 - SWITCHYARD SUBSTATION SECTIONS C-C, D-D, E-E
 - S-014 - SWITCHYARD SUBSTATION FENCE & GROUNDING PLAN
 - S-015 - SWITCHYARD SUBSTATION FENCE & GROUNDING DETAILS
 - S-016 - SWITCHYARD SUBSTATION CONTROL HOUSE ELECTRICAL LAYOUT PLAN

REV	DATE	DES	CHK	APP	DESCRIPTION
A	06/20/19	AAD	DG	AKD	ISSUED FOR CLIENT REVIEW



PROJECT NO: 327851

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE (FEET)
3/32" = 1'-0"

REVIEW 1: 06/20/19 DATE
REVIEW 2: 3/32" = 1'-0" SCALE

FLORIDA

PRELIMINARY
SWITCHYARD SUBSTATION YARD LIGHTING PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

S-013

REV. A