



GENERAL PHOTOMETRIC NOTES

PARKING LOT LUMINAIRES SHALL BE AS FOLLOWS:

- OA MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: KVF-1000M-SYMF-480-RP12-DF-LFP
SINGLE OR TWIN AS SHOWN.
- OB1 MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: KVF-1000M-ASYMF-480-RP12-DF-LFP-EHS
SINGLE OR TWIN AS SHOWN.
- OB2 MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: KVF-1000M-ASYMF-480-RP12-DF-LFP
SINGLE OR TWIN AS SHOWN.
- E1 MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: TWH-2500M-277-SF-NAHD-FS (FULL SHIELD)
- E2 MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: TWH-1000M-277-SF-NAHD-FS (FULL SHIELD)
- WW1 MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: WST-175M-FT-277-SF-NAHD
- OC MANUFACTURER: LITHONIA LIGHTING
LUMINAIRE CATALOG NO.: TTF-400M-7A-277-SF-SCWA-18-SF-TFFV
TILT ANGLE: 45 DEGREES FROM HORIZONTAL- FULL EXTERNAL V8OR
TILT ANGLE: 75 DEGREES FROM HORIZONTAL- FULL EXTERNAL V8OR

- A. ALL "OK" PARKING LOT POLES WILL BE LITHONIA POLE
RTS-37-58-DM100-ODS-80-NAHD-UG-4828-0. ALL OB AND OB1 PARKING LOT
POLES WILL BE LITHONIA POLE RTS-27-68-DM100-ODS-80-NAHD-UG-4828-0. ALL
POLES WILL BE 40-00' OR LESS IN HEIGHT.
- B. ALL NECESSARY MOUNTING BRACKETS, CONG. BASES, ANCHOR BOLTS, SHOULD BE
PROVIDED FOR COMPLETE INSTALLATION.
- C. FIXTURE AND POLES ARE TO BE PROVIDED COMPLETE WITH BALLASTS, SOCKETS,
LAMPS, ACCESS PLATES, AND ALL MOUNTING BASES AND ACCESSORIES REQUIRED
FOR A COMPLETE SITE LIGHTING AND POLE MOUNTED FIXTURE INSTALLATION.
- D. ALL BALLASTS TO BE CERTIFIED BY OEM AND ETL.
- E. INSTALL POLE AND GROUND MOUNTED FIXTURES ON CONCRETE BASES AND MOUNT IN
ABSOLUTE VERTICAL ALIGNMENT.
- F. ALL WIRING SHALL BE COPPER AND ROUTED IN CONDUIT.
- G. A HOUSE SIDE SHIELD SHALL BE PLACED ON ANY PERMITTER LIGHT POLE THAT
SHEDS EXCESSIVE LIGHT ON AN ADJACENT PROPERTY.

PHOTOMETRIC CALCULATIONS

NOTATION:	OA	NOTATION:	OB1
INITIAL LUMENS:	110000	INITIAL LUMENS:	110000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	1000	FIXTURE WATTS:	1000
NUMBER LUMINAIRES:	7	NUMBER LUMINAIRES:	4
MOUNTING HEIGHT:	40 FEET	MOUNTING HEIGHT:	30 FEET
NOTATION:	E	NOTATION:	OB2
INITIAL LUMENS:	20000	INITIAL LUMENS:	110000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	250	FIXTURE WATTS:	1000
NUMBER LUMINAIRES:	17	NUMBER LUMINAIRES:	5
MOUNTING HEIGHT:	18 FEET	MOUNTING HEIGHT:	30 FEET
NOTATION:	E1	NOTATION:	E1
INITIAL LUMENS:	35000	INITIAL LUMENS:	5800
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	400	FIXTURE WATTS:	100
NUMBER LUMINAIRES:	8	NUMBER LUMINAIRES:	3
MOUNTING HEIGHT:	24 FEET	MOUNTING HEIGHT:	12 FEET
NOTATION:	OC	NOTATION:	WW1
INITIAL LUMENS:	20000	INITIAL LUMENS:	35000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	400	FIXTURE WATTS:	175
NUMBER LUMINAIRES:	2	NUMBER LUMINAIRES:	9
MOUNTING HEIGHT:	18 FEET	MOUNTING HEIGHT:	24 FEET/28 FEET

ILLUMINANCE IS IN HORIZONTAL FOOTCANDLES.
TARGET PLANE AT Z = 0 FEET.

SUMMARY	13 FC
AVERAGE	13.5 FC
MAXIMUM	

THIS PLAN IS BASED UPON A SITE PLAN RECEIVED 12-08-06
FROM MATTERN & CRAIG CONSULTING ENGINEERS.

REFER TO SHEET C-3A PREPARED BY MATTERN & CRAIG
CONSULTING ENGINEERS FOR PROFFERS.

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THE HOME DEPOT - SITE DEVELOPMENT PLANS
FRANKLIN ROAD AND VALLEY AVENUE

SITE LIGHTING PLAN

CITY OF ROANOKE, VIRGINIA

Vertical Scale:

N/A

Horizontal Scale:

1" = 30'

Commission No.

2358-A

Sheet No.:

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