



- ### LIGHTING PLAN NOTES
- SPEC LIGHTS SHOWN IN TABLE THIS SHEET
  - POLE BASE DETAIL SHOWN ON SHEET 0-4
  - OWNER/DEVELOPER RESPONSIBLE FOR OPERATIONS/MAINTENANCE AND PERMITTING REQUIRED FOR SITE LIGHTING
  - ALL LIGHTS SHALL FEATURE SHIELDING FULL CUTOFF
  - 5,000 LUMEN COLONIAL FIXTURE WITH TYPE III REFLECTOR OR APPROVED EQUAL MOUNTED AT 14' HEIGHT
  - LIGHTING DESIGN PROVIDED BY GE LIGHTING, 19062014, GE REFERENCE A5041228
  - REFER TO ARCH. PLANS FOR SITE LIGHTING ELECTRICAL PLAN
  - LIGHTING WITHIN DEVELOPMENTS PROVIDING CUSTOMER SERVICE TO PUBLIC AFTER 5:00 PM HAS MINIMUM 0.6 FT-CANDLE AT GRADE AND AVG HORIZONTAL ILLUMINATION <math>= 0.4</math> FT-CANDELES AT GRADE SUBJECT TO UNIFORMITY RATIO <math>= 0.8</math> - 1.1
  - LED STATISTICS SHOWN ARE AT 50000 HOURS L85 RATING <math>= 12</math> YEARS @ 12 HRS/DAY
  - L82 = OPERATING HOURS AT WHICH AN AVERAGE OF 15% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF TESTED PLANTS
  - THE POPULATION STILL EMITS 85% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A TESTED LIGHT OUTPUT
  - IN COMPARISON, NON-LED LUMINAIRES ARE RATED WITH MEAN LUMENS MEASURED AT 40,000 HRS OF RATED LIFE. DEPENDENT ON TECHNOLOGY RATED LIFE OF 850 HOURS @ OPERATING HOURS AT WHICH 50% OF TESTED POPULATION OF LUMINAIRES HAS FAILED
  - THREE ARE MODELED AS APPROVED WARMWIT 71, T2, & T3 ORIGINAL BLOCK LIGHT AS 10 YEAR MATURE LUMINAIRE PROVIDED

### WALMART ALLOWED LUMEN TOTAL COMPLIANCE CHART

Instructions: Insert site information into the yellow cells. If you need it, copy and paste the table, save word to unprotect sheet to "go"

Store #	City	State	Area (sq ft)	Number of Parking Spaces	Initial Lumens (Total)	Walmart Allowance (Total)
1000	Leesburg	VA	42,000	2	2,118,700	2,118,700

Item #	Item Description	Qty	Watts	Total Watts	Total Lumens
1	WALMART C-37	1	144	144	3,600
2	WALMART C-37	2	288	576	7,200
3	WALMART C-37	7	144	1,008	12,600
4	WALMART C-37	1	288	288	3,600
5	WALMART C-37	0	0	0	0
6	WALMART C-37	0	0	0	0
7	WALMART C-37	0	0	0	0
8	WALMART C-37	0	0	0	0
9	WALMART C-37	0	0	0	0
10	WALMART C-37	0	0	0	0
11	WALMART C-37	0	0	0	0
12	WALMART C-37	0	0	0	0
13	WALMART C-37	0	0	0	0
14	WALMART C-37	0	0	0	0
15	WALMART C-37	0	0	0	0
16	WALMART C-37	0	0	0	0
17	WALMART C-37	0	0	0	0
18	WALMART C-37	0	0	0	0
19	WALMART C-37	0	0	0	0
20	WALMART C-37	0	0	0	0
21	WALMART C-37	0	0	0	0
22	WALMART C-37	0	0	0	0
23	WALMART C-37	0	0	0	0
24	WALMART C-37	0	0	0	0
25	WALMART C-37	0	0	0	0
26	WALMART C-37	0	0	0	0
27	WALMART C-37	0	0	0	0
28	WALMART C-37	0	0	0	0
29	WALMART C-37	0	0	0	0
30	WALMART C-37	0	0	0	0
31	WALMART C-37	0	0	0	0
32	WALMART C-37	0	0	0	0
33	WALMART C-37	0	0	0	0
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37	WALMART C-37	0	0	0	0
38	WALMART C-37	0	0	0	0
39	WALMART C-37	0	0	0	0
40	WALMART C-37	0	0	0	0
41	WALMART C-37	0	0	0	0
42	WALMART C-37	0	0	0	0
43	WALMART C-37	0	0	0	0
44	WALMART C-37	0	0	0	0
45	WALMART C-37	0	0	0	0
46	WALMART C-37	0	0	0	0
47	WALMART C-37	0	0	0	0
48	WALMART C-37	0	0	0	0
49	WALMART C-37	0	0	0	0
50	WALMART C-37	0	0	0	0

PROJECT IS COMPLIANT?	Total Poles	Light Pole Density (LPD)	Watts per Pole (WPP)	Total Watts	Total Lumens
YES	71	0.0352	107	14,899	1,592,400

### Luminaire Schedule

Symbol	Qty	Label	Arrangement	LPF	Description	Arr. Watts	Arr. Lum. Lumens	80% Rating
Ⓐ	28	SP4_C_25	SINGLE	0.910	1-EASC04HFS000BLCKOP 22 POLE ON 3' BASE	144	14400	82-10-03
Ⓑ	8	SP4_C_25	SINGLE	0.910	1-EASC04HFS000BLCKOP 22 POLE ON 3' BASE	288	83000	85-10-03
Ⓒ	16	SP4_C_25	SINGLE	0.915	1-EASC04HFS000BLCKOP 22 POLE ON 3' BASE	255	21000	85-10-03
Ⓓ	19	D1F4_C_25	BACK-BACK	0.810	2-EASC04HFS000BLCKOP 22 POLE ON 3' BASE	288	30800	82-10-03
Ⓔ	1	D1F4_C_21	BACK-BACK	0.810	2-EASC04HFS000BLCKOP 18 POLE ON 3' BASE	288	30800	82-10-03
Ⓕ	7	SP4_C_21	SINGLE	0.910	1-EASC04HFS000BLCKOP 18 POLE ON 3' BASE	144	14400	82-10-03
Ⓖ	1	SP4_C_21	SINGLE	0.910	1-EASC04HFS000BLCKOP 18 POLE ON 3' BASE	235	23200	85-10-03

### REVISIONS

NO.	DESCRIPTION	DATE
1	REVISED PER COUNTY AND TOWN COMMENTS	08/15/16
2	REVISED PER COUNTY AND TOWN COMMENTS	08/15/16
3	REVISED PER COUNTY AND TOWN COMMENTS	08/15/16

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LED PARKING LOT LIGHTING PLAN  
WALMART SUPERCENTER #1904-005 - SPAM #1  
CATOCH ELECTRON DISTRICT,  
LEESBURG, LOUDOUN COUNTY, VA  
WAL-MART STORES, INC. BENTONVILLE, AR

DRAWN: GBR  
CHECKED: MJB  
DATE: 12/22/16  
SCALE: 1" = 50'  
JOB NO: S148000  
SHEET: C-37  
SHEET 68 OF 103