



MEDHURST DRIVE

WOODROFFE AVENUE

ILLUMINATION LEVELS ARE THE RESULT OF CONDITIONS OR REQUESTS BY OTHERS
 RED LEONARD ASSOCIATES IS NOT RESPONSIBLE
 FOR INCIDENTS CAUSED BY INSUFFICIENT LIGHTING
 AND DOES NOT RECOMMEND THESE LEVELS FOR
 SECURITY AND SAFETY REASONS

THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS
 REGULATED BY LOCAL ORDINANCES

- NOTE:
- ALL AREA LIGHTS ON NEW 15 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE
 - LIGHTING IS DESIGNED SO THAT ALL FIXTURES HAVE ZERO LUMENS ABOVE 90 DEGREES
 - LIGHTING IS DESIGNED TO RESULT IN .5 FC MAXIMUM LIGHT SPILLAGE ONTO ADJACENT PROPERTIES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	2.62	12.2	0.2	13.10	61.00
PROPERTY LINE	0.12	0.5	0.0	N.A.	N.A.
UNDEFINED	0.45	11.7	0.0	N.A.	N.A.
UNDER CANOPY	21.23	28	14	1.52	2.00

LUMINAIRE SCHEDULE												
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LATF	DIMMING LUMEN MULTIPLIER	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	2	A2B	SINGLE	3300	1.040	1.000	1.040	B1-U0-G1	29	58	Cree Inc	OSQ-ML-B-DA-XX + OSQM-B-4L-30K7-2M-UL-NM-XX + OSQ-BLSMF
	2	A2B1	SINGLE	1820	1.040	1.000	1.040	B1-U0-G1	16	32	Cree Inc	OSQ-ML-B-DA-XX + OSQM-B-4L-30K7-2M-UL-NM-XX-Q1 + OSQ-BLSMF
	1	A2B2	SINGLE	2150	1.040	1.000	1.040	B1-U0-G1	18	18	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-4L-30K7-2M-UL-NM-XX-Q2 + OSQ-BLSMF
	1	A3B8	SINGLE	3250	1.040	1.000	1.040	B1-U0-G1	27	27	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-4L-30K7-3M-UL-NM-XX-Q8 + OSQ-BLSMF
	1	A4-2	BACK-BACK	15498	1.040	1.000	1.040	B3-U0-G3	104	208	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-30K7-4M-UL-NM-XX
	1	A472	BACK-BACK	3950	1.040	1.000	1.040	B1-U0-G1	26	52	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-4L-30K7-4M-UL-NM-XX-Q7
	1	A48	SINGLE	4120	1.040	1.000	1.040	B1-U0-G1	27	27	Cree Inc	OSQ-ML-B-DA-XX + OSQM-B-4L-30K7-4M-UL-NM-XX-Q8
	3	A4B1	SINGLE	1820	1.040	1.000	1.040	B0-U0-G1	16	48	Cree Inc	OSQ-ML-B-DA-XX + OSQM-B-4L-30K7-4M-UL-NM-XX-Q1 + OSQ-BLSMF
	24	CAN	SINGLE	10999	1.040	0.550	0.572	B3-U0-G0	64.68	1552.32	CREE, INC.	CAN-228-PS-RM-06-E-UL-XX-700-30K (SET DIAL @ 1)
	9	L	SINGLE	1800	1.040	1.000	1.040	B1-U0-G0	20.5	184.5	Cree Lighting	LR6X-18L-30K
	6	WP1	SINGLE	3262	1.040	0.140	0.146	B1-U0-G1	5.5	33	Cree Inc.	SEC-EDG-2M-WM-02-E-UL-XX-700-30K-DIM (SET @ 1.1V)
	5	WP3	SINGLE	9674	1.040	0.560	0.582	B2-U0-G2	60.3	301.5	Cree Inc.	SEC-EDG-4M-WM-06-E-UL-XX-700-30K-DIM (SET @ 3.9V)
	5	WP4	SINGLE	3262	1.040	0.280	0.291	B1-U0-G1	10.5	52.5	Cree Inc.	SEC-EDG-4M-WM-02-E-UL-XX-700-30K-DIM (SET @ 1.9V)

* LUMENS AREA BASED ON CCT=5700K X .763 SCALE FACTOR FOR CCT=3000K

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A2B	18
2	A2B	18
3	A2B1	18
4	A2B1	18
5	A2B2	18
6	A3B8	18
7	A4-2	18
8	A472	18
9	A48	18
10	A4B1	18
11	A4B1	18
12	A4B1	18
13	CAN	17.5
14	CAN	17.5
15	CAN	17.5
16	CAN	17.5
17	CAN	17.5
18	CAN	17.5
19	CAN	17.5
20	CAN	17.5
21	CAN	17.5
22	CAN	17.5
23	CAN	17.5
24	CAN	17.5
25	CAN	17.5
26	CAN	17.5
27	CAN	17.5
28	CAN	17.5
29	CAN	17.5
30	CAN	17.5
31	CAN	17.5
32	CAN	17.5
33	CAN	17.5
34	CAN	17.5
35	CAN	17.5
36	CAN	17.5
37	L	12
38	L	12
39	L	12
40	L	12
41	L	12
42	L	12
43	L	12
44	L	12
45	L	12
46	WP1	14.5
47	WP1	14.5
48	WP1	14.5
49	WP1	14.5
50	WP1	14.5
51	WP1	14.5
52	WP3	14.5
53	WP3	14.5
54	WP3	14.5
55	WP3	14.5
56	WP3	14.5
57	WP4	14.5
58	WP4	14.5
59	WP4	14.5
60	WP4	14.5
61	WP4	14.5

REV.	BY	DATE	DESCRIPTION
R1	FNE	4/16/21	REVISED AREA LIGHT LOCATIONS TO GET BETTER LIGHTING AT ENTRANCES & REDUCE AMOUNT OF POLES
R2	FNE	4/27/21	REVISED TO GET 0 FC @ P/L & CHANGE ALL FIXTURES TO 30K
R3	FNE	8/2/21	REVISED PER UPDATED SITE PLAN, MEET P/L MAX OF .5 FC



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SCALE: 1" = 30'
 LAYOUT BY: FNE
 DWG SIZE: D
 DATE: 4/9/21

PROJECT NAME:
CIRCLE K
OTTAWA, ON
 DRAWING NUMBER:
RL-7298-S1-R3



DWG # 17094

D07 # D07-12-21-0056