

OUTDOOR PHOTOMETRIC REPORT

CATALOG: IL4-40

MANUFACTURER: ADVANTAGE LIGHTING SOLUTIONS

DESCRIPTION: IL4-40

LAMP CATALOG:

LAMP OUTPUT: 1 LAMP, RATED LUMENS/LAMP: 5392.3

INPUT WATTAGE: 39.54

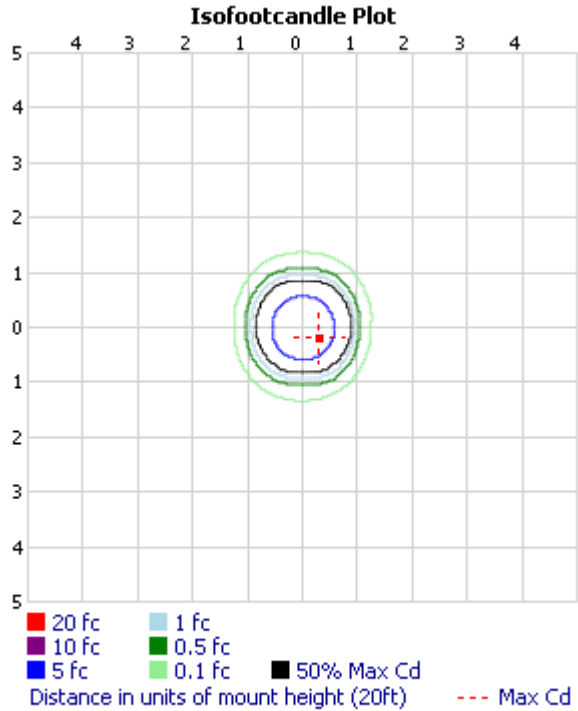
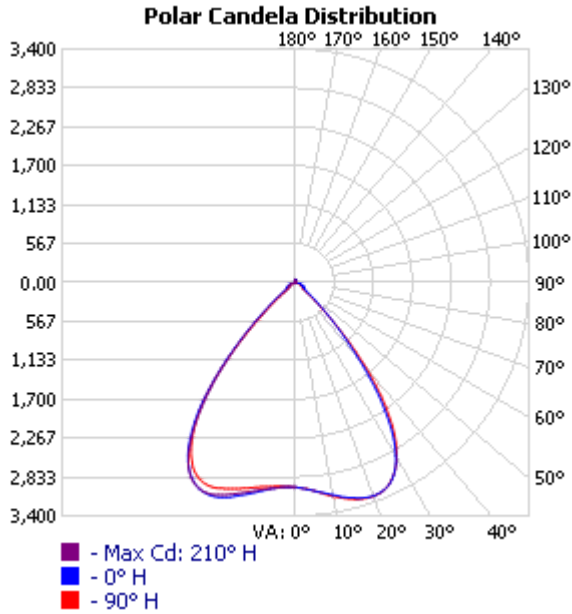
LUMINOUS OPENING: POINT

MAX CD: 3,365.4 AT HORIZONTAL: 210°, VERTICAL: 24°

CUTOFF CLASS: CUTOFF

ROADWAY CLASS: TYPE VS

EFFICIENCY: 100%



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**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2,705.5	50.2%	50.2%
0-40	4,270.6	79.2%	79.2%
0-60	5,164.7	95.8%	95.8%
60-90	173.9	3.2%	3.2%
70-100	77.3	1.4%	1.4%
90-120	7.4	0.1%	0.1%
0-90	5,338.6	99%	99%
90-180	52.9	1%	1%
0-180	5,391.5	100%	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	290.6	5.4%	90-100	1.0	0%
10-20	912.9	16.9%	100-110	2.0	0%
20-30	1,502.1	27.9%	110-120	4.4	0.1%
30-40	1,565.1	29.0%	120-130	7.3	0.1%
40-50	743.3	13.8%	130-140	9.5	0.2%
50-60	150.8	2.8%	140-150	10.1	0.2%
60-70	97.5	1.8%	150-160	9.2	0.2%
70-80	61.0	1.1%	160-170	6.8	0.1%
80-90	15.4	0.3%	170-180	2.6	0%

**ROADWAY SUMMARY**

CUTOFF CLASSIFICATION:	CUTOFF
DISTRIBUTION:	TYPE VS
MAX CD, 90 DEG VERT:	3.8
MAX CD, 80 TO <90 DEG:	46.3
	LUMENS % LAMP
DOWNWARD STREET SIDE:	2,582.2 47.9%
DOWNWARD HOUSE SIDE:	2,757.1 51.1%
DOWNWARD TOTAL:	5,339.3 99%
UPWARD STREET SIDE:	26.8 0.5%
UPWARD HOUSE SIDE:	26.2 0.5%
UPWARD TOTAL:	52.9 1%
TOTAL LUMENS:	5,392.3 100%

**LCS TABLE**

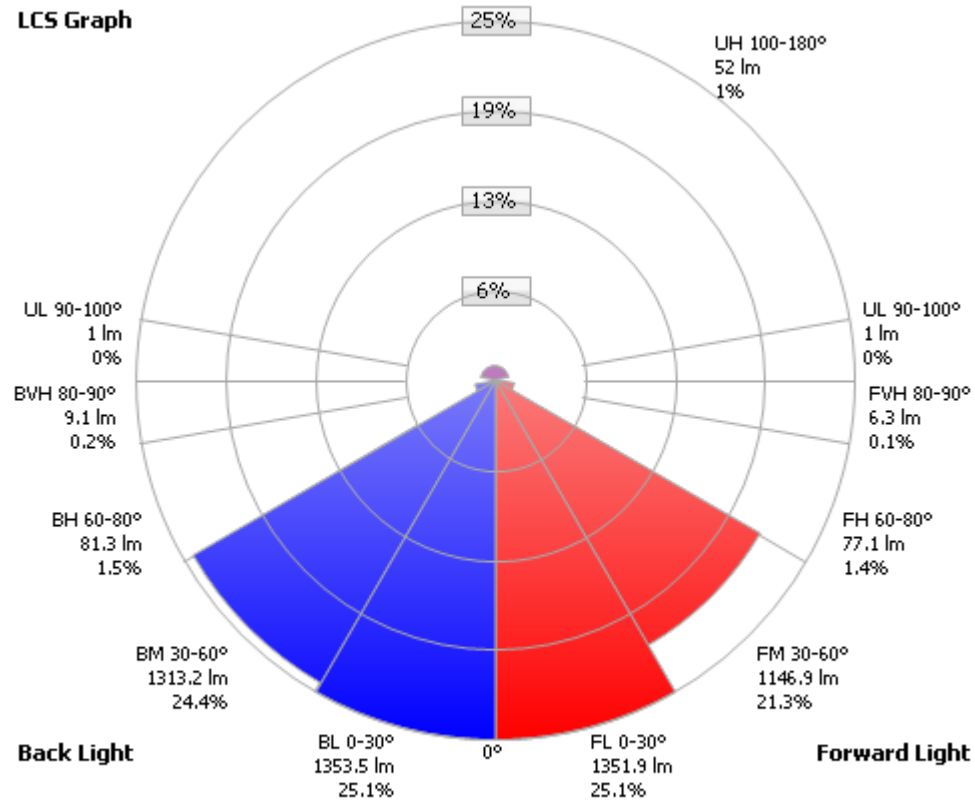
BUG RATING	B3 - U3 - G0	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	1,351.9	25.1%
MEDIUM(30-60):	1,146.9	21.3%
HIGH(60-80):	77.1	1.4%
VERY HIGH(80-90):	6.3	0.1%
BACK LIGHT		
LOW(0-30):	1,353.5	25.1%
MEDIUM(30-60):	1,313.2	24.4%
HIGH(60-80):	81.3	1.5%
VERY HIGH(80-90):	9.1	0.2%
UPLIGHT		
LOW(90-100):	1.0	0%
HIGH(100-180):	52.0	1%
TRAPPED LIGHT:	0.0	0%



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## LCS Graph



**Back Light**

**Forward Light**

Scale = Max LCS %

Trapped Light: 0lm, 0%

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**CANDELA TABLE - TYPE C**

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	2980	2980	2980	2980	2980	2980	2980	2980	2980	2980	2980	2980	2980
5	3043	3049	3045	3042	3025	3006	2998	2983	2972	2980	2999	3016	3043
10	3140	3160	3166	3158	3129	3097	3090	3049	3019	3023	3067	3115	3140
15	3245	3266	3283	3263	3247	3222	3212	3183	3120	3105	3175	3231	3245
20	3307	3335	3345	3311	3321	3318	3322	3311	3225	3187	3284	3336	3307
25	3235	3287	3260	3235	3288	3328	3316	3365	3285	3204	3313	3323	3235
30	2916	3037	2973	2946	3049	3169	3115	3242	3155	3019	3117	3097	2916
35	2271	2500	2416	2375	2540	2767	2627	2848	2734	2575	2584	2530	2271
40	1393	1728	1629	1531	1784	2111	1848	2147	2029	1836	1785	1702	1393
45	660	899	769	633	913	1240	972	1307	1149	871	940	888	660
50	269	308	217	172	301	522	409	564	404	227	314	352	269
55	152	131	117	120	129	179	180	189	132	120	126	146	152
60	135	109	103	109	107	115	136	116	108	112	107	114	135
65	123	95	88	92	91	98	123	100	94	98	92	98	123
70	102	79	66	68	71	82	108	84	75	73	70	79	102
75	68	59	49	47	54	65	73	67	57	51	51	59	68
80	36	35	27	23	33	43	46	46	36	25	29	35	36
85	14	9	5	7	9	19	22	21	11	8	7	10	14
90	4	1	0	1	1	2	4	2	1	0	0	1	4
95	1	1	0	1	0	1	1	1	1	1	0	1	1
100	2	2	0	1	1	1	1	1	1	1	1	1	2
105	3	3	1	2	2	2	2	2	2	1	2	2	3
110	4	4	2	2	2	3	3	3	3	2	3	3	4
115	6	5	4	4	4	4	5	5	4	4	4	5	6
120	8	7	6	6	6	6	7	7	6	6	6	7	8
125	9	9	8	8	8	8	9	8	8	7	8	9	9
130	11	11	10	10	10	10	11	10	10	10	10	11	11
135	14	13	12	12	12	12	13	13	12	12	12	12	14
140	16	15	14	14	14	14	15	14	14	14	14	14	16
145	18	16	15	16	16	16	17	17	16	16	16	16	18
150	20	19	17	17	17	18	19	19	18	17	17	18	20
155	22	21	19	19	19	20	21	21	20	19	19	20	22
160	24	23	22	21	21	22	23	23	22	21	22	23	24
165	26	25	24	24	23	24	25	25	24	24	24	25	26
170	27	27	27	26	26	26	27	27	26	26	26	26	27
175	29	28	28	28	28	28	28	28	28	28	27	28	29
180	29	29	29	29	29	29	29	29	29	29	29	29	29