

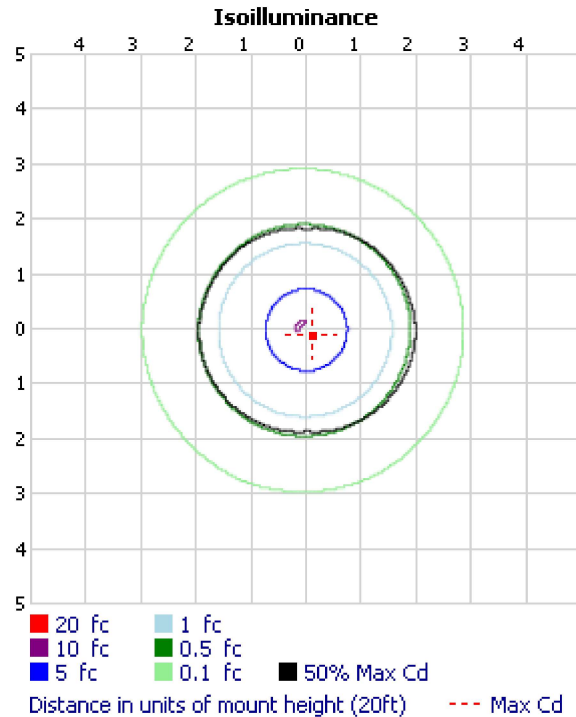
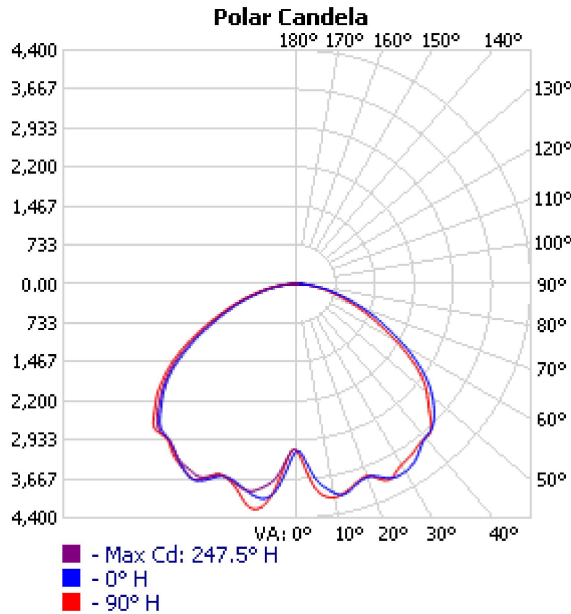
OUTDOOR PHOTOMETRIC REPORT

CATALOG: RSZ180104502-10



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS
 Test #: RSZ180104502-10
 Test Lab: BACL
 Test Date: 2018-01-08
 Description: HB2-10040(C)
 Lamp Output: 1 lamp, rated Lumens/lamp: 14299
 Input Wattage: 103.4
 Luminous Opening: Circular (Dia: 14.17")
 Max Cd: 4,343.4 at Horizontal: 247.5°, Vertical: 10°
 CUTOFF CLASS: Cutoff
 Roadway Class: Type VS
 Efficiency: 100%

No
 Photo
 Available



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RSZ180104502-10
VISUAL PHOTOMETRIC TOOL

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Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,338.0	23.3%	23.3%
0-40	5,792.2	40.5%	40.5%
0-60	11,145.2	77.9%	77.9%
60-90	3,031.5	21.2%	21.2%
70-100	1,348.4	9.4%	9.4%
90-120	109.9	0.8%	0.8%
0-90	14,176.6	99.1%	99.1%
90-180	121.6	0.9%	0.9%
0-180	14,298.2	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	368.7	2.6%	90-100	81.8	0.6%
10-20	1,121.4	7.8%	100-110	23.9	0.2%
20-30	1,847.9	12.9%	110-120	4.2	0%
30-40	2,454.2	17.2%	120-130	2.2	0%
40-50	2,789.3	19.5%	130-140	2.4	0%
50-60	2,563.7	17.9%	140-150	2.5	0%
60-70	1,764.9	12.3%	150-160	2.4	0%
70-80	944.5	6.6%	160-170	1.6	0%
80-90	322.1	2.3%	170-180	0.5	0%

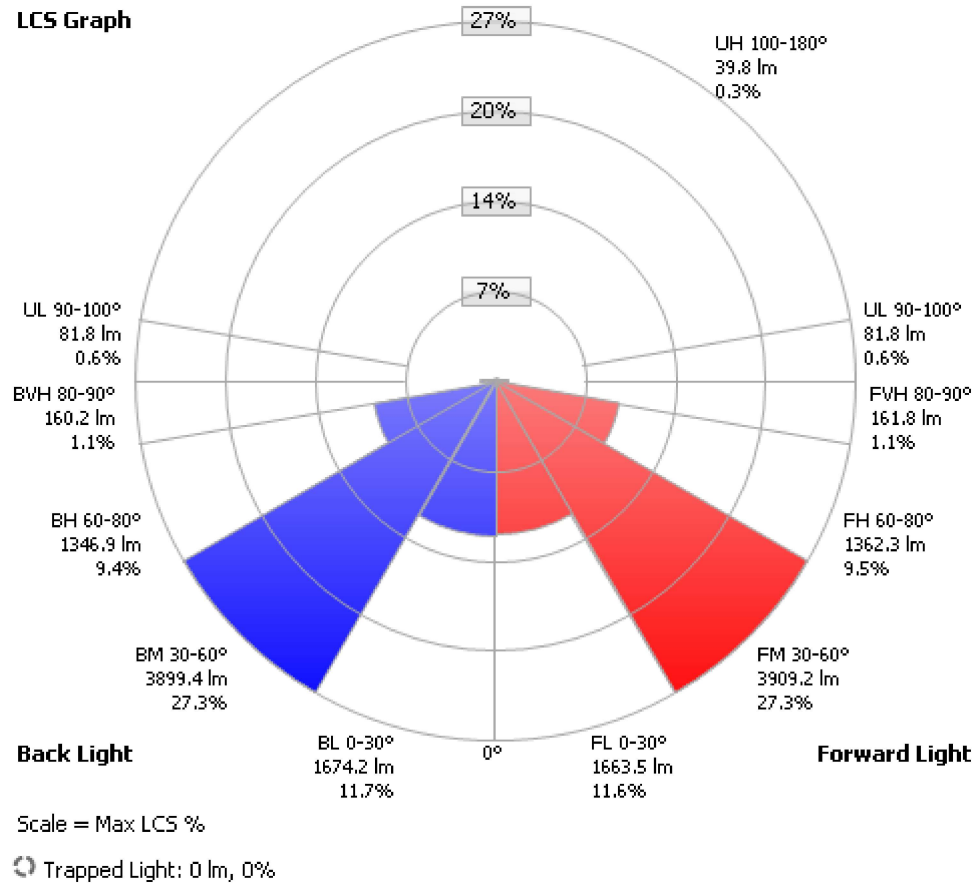
Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	151.6
Max Cd, 80 to <90 Deg:	643.1
	Lumens % Lamp
Downward Street Side:	7,096.9 49.6%
Downward House Side:	7,080.7 49.5%
Downward Total:	14,177.6 99.2%
Upward Street Side:	62.0 0.4%
Upward House Side:	59.6 0.4%
Upward Total:	121.6 0.9%
Total Lumens:	14,299.2 100%

LCS Table

BUG Rating	B3 - U3 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	1,663.5	11.6%
Medium(30-60):	3,909.2	27.3%
High(60-80):	1,362.3	9.5%
Very High(80-90):	161.8	1.1%
Back Light		
Low(0-30):	1,674.2	11.7%
Medium(30-60):	3,899.4	27.3%
High(60-80):	1,346.9	9.4%
Very High(80-90):	160.2	1.1%
Uplight		
Low(90-100):	81.8	0.6%
High(100-180):	39.8	0.3%
Trapped Light:	0.000	0%

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Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141	3141
5	3637	3717	3815	3855	3846	3821	3805	3811	3792	3793	3755	3699	3642	3576	3523	3523	3637
10	3988	4131	4170	4102	4079	3958	3947	3957	4087	4247	4335	4343	4294	4126	3966	3898	3988
15	3983	4042	3893	3843	3956	3828	3867	3895	3961	3993	4074	3996	4117	4039	4015	3982	3983
20	3865	3842	3769	3751	3840	3826	3831	3903	3862	3849	3842	3753	3880	3856	3906	3877	3865
25	4025	4010	3964	3975	4070	4045	4038	4138	4066	4026	3968	3922	4012	3956	3974	4003	4025
30	4076	3984	3968	3981	3928	4009	3943	4025	4137	4136	4143	4164	4123	4153	4072	4035	4076
35	3950	3903	3837	3820	3838	3827	3795	3900	3949	4005	3954	4019	4002	4029	3951	3952	3950
40	3760	3777	3730	3679	3774	3716	3750	3807	3781	3829	3775	3761	3806	3822	3764	3791	3760
45	3638	3620	3604	3513	3545	3495	3558	3562	3656	3718	3755	3676	3807	3768	3751	3716	3638
50	3330	3286	3274	3156	3189	3137	3202	3214	3307	3360	3447	3415	3474	3427	3450	3370	3330
55	2903	2831	2790	2705	2755	2704	2764	2785	2904	2978	3016	2992	3061	3021	3045	2968	2903
60	2350	2280	2205	2133	2170	2171	2195	2238	2343	2433	2487	2485	2544	2504	2492	2436	2350
65	1794	1753	1652	1608	1612	1611	1617	1681	1773	1834	1866	1896	1951	1923	1886	1856	1794
70	1310	1272	1203	1166	1147	1142	1176	1214	1295	1337	1356	1376	1419	1382	1350	1367	1310
75	890	836	821	777	764	776	821	812	878	916	987	983	995	981	972	952	890
80	539	498	493	468	455	459	473	501	545	571	643	621	635	639	637	596	539
85	261	249	226	220	217	217	225	241	272	294	315	343	336	342	325	308	261
90	114	108	112	117	102	103	112	106	109	128	133	145	151	152	143	140	114
95	79	76	63	60	64	62	60	75	69	85	80	79	72	77	95	80	79
100	37	38	39	38	42	38	39	35	35	38	45	41	45	45	44	47	37
105	19	20	20	18	20	19	19	19	18	20	23	23	27	25	27	23	19
110	8	9	8	8	9	8	8	9	8	9	11	9	12	11	11	11	8
115	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3
120	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
125	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3
130	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
135	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
140	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4
145	5	5	5	5	5	5	5	5	3	3	3	3	3	3	3	3	5
150	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	6
155	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	6
160	7	7	7	7	7	7	7	7	4	4	4	4	4	4	4	4	7
165	7	7	7	7	7	7	7	7	4	4	4	4	4	4	4	4	7
170	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	6
175	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	6
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6