

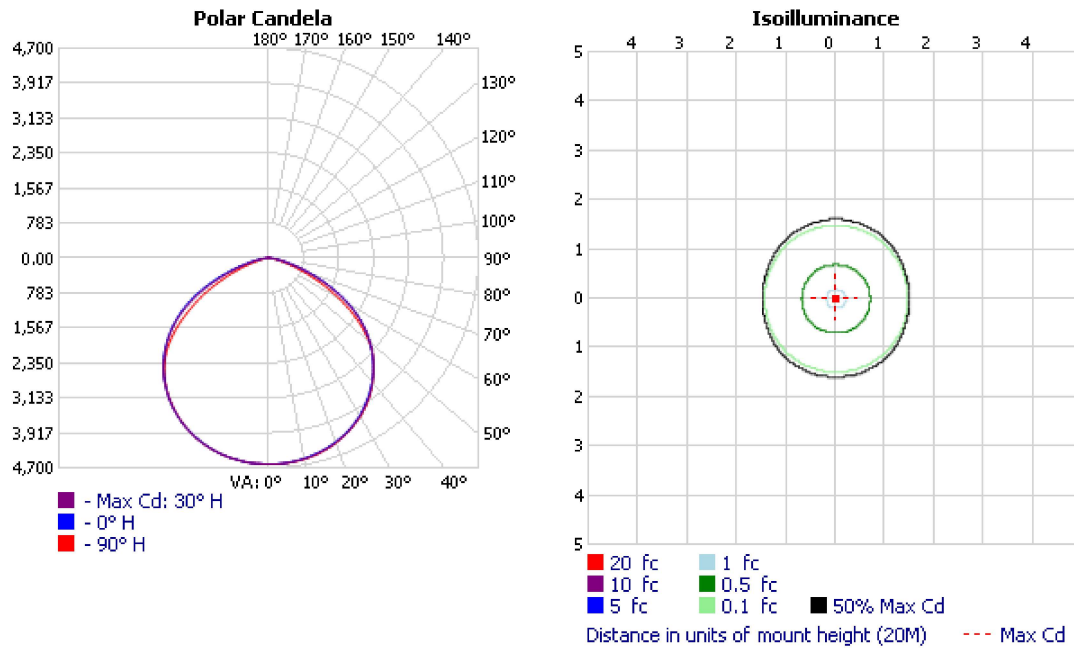
**OUTDOOR PHOTOMETRIC REPORT**

CATALOG: LHN-9050CL



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS  
 Test Lab: Dongguan New Testing Centre Co., Ltd  
 Test Date: 30 June 2020  
 Catalog: LHN-9050CL  
 Description: LED  
 Lamp Output: 1 lamp, rated Lumens/lamp: 12888  
 Ballast / Driver: 120-277Vac 60Hz  
 Input Wattage: 89.9742  
 Luminous Opening: Rectangle (L: 23.62", W: 9.84")  
 Max Cd: 4,616.9 at Horizontal: 30°, Vertical: 2°  
 CUTOFF CLASS: Cutoff  
 Roadway Class: Type VS  
 Efficiency: 100%

No  
 Photo  
 Available



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**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	3,672.2	28.5%	28.5%
0-40	6,094.1	47.3%	47.3%
0-60	10,880.6	84.4%	84.4%
60-90	1,988.2	15.4%	15.4%
70-100	609.9	4.7%	4.7%
90-120	6.9	0.1%	0.1%
0-90	12,868.9	99.9%	99.9%
90-180	18.1	0.1%	0.1%
0-180	12,887.0	100%	100%

**Roadway Summary**

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	22.9	
Max Cd, 80 to <90 Deg:	301.7	
	Lumens	% Lamp
Downward Street Side:	6,409.1	49.7%
Downward House Side:	6,461.2	50.1%
Downward Total:	12,870.3	99.9%
Upward Street Side:	8.6	0.1%
Upward House Side:	9.5	0.1%
Upward Total:	18.1	0.1%
Total Lumens:	12,888.5	100%

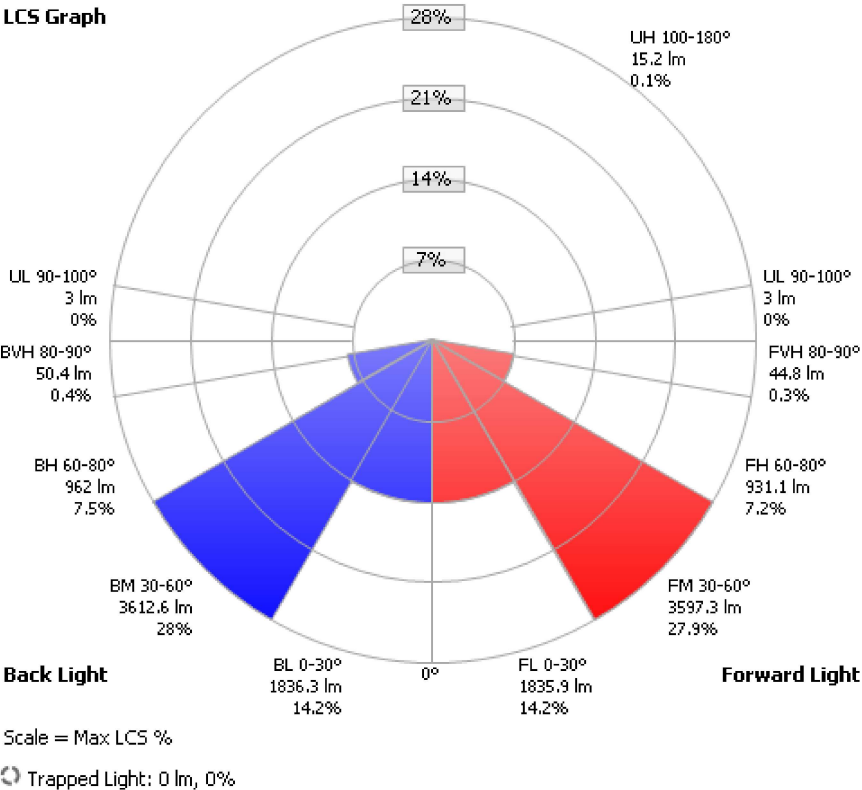
**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	438.3	3.4%	90-100	3.0	0%
10-20	1,270.5	9.9%	100-110	1.9	0%
20-30	1,963.5	15.2%	110-120	1.9	0%
30-40	2,422.0	18.8%	120-130	2.3	0%
40-50	2,556.0	19.8%	130-140	2.7	0%
50-60	2,230.5	17.3%	140-150	2.5	0%
60-70	1,381.3	10.7%	150-160	2.0	0%
70-80	511.7	4.0%	160-170	1.3	0%
80-90	95.2	0.7%	170-180	0.4	0%

**LCS Table**

BUG Rating	B3 - U2 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	1,835.9	14.2%
Medium(30-60):	3,597.3	27.9%
High(60-80):	931.1	7.2%
Very High(80-90):	44.8	0.3%
Back Light		
Low(0-30):	1,836.3	14.2%
Medium(30-60):	3,612.6	28%
High(60-80):	962.0	7.5%
Very High(80-90):	50.4	0.4%
Uplight		
Low(90-100):	3.0	0%
High(100-180):	15.2	0.1%
Trapped Light:	0.000	0%

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Candela Table - Type C

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345
0	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614	4614
5	4602	4603	4606	4603	4604	4609	4608	4605	4604	4606	4606	4607	4606	4603	4606	4602	4600	4604	4604	4603	4607	4609	4605	4606
10	4558	4561	4565	4568	4566	4575	4574	4570	4571	4564	4563	4562	4563	4564	4562	4560	4566	4562	4569	4567	4568	4564	4564	4564
15	4484	4493	4499	4500	4502	4502	4506	4504	4507	4502	4495	4493	4495	4495	4496	4493	4486	4500	4494	4493	4496	4500	4497	4495
20	4380	4390	4397	4399	4398	4404	4406	4401	4401	4402	4398	4387	4387	4392	4399	4400	4388	4397	4392	4389	4393	4390	4391	4395
25	4247	4256	4264	4263	4262	4270	4267	4262	4263	4265	4259	4254	4249	4253	4261	4262	4252	4253	4252	4257	4255	4250	4256	4255
30	4072	4079	4090	4089	4086	4091	4099	4093	4092	4088	4086	4085	4083	4084	4084	4090	4078	4080	4074	4078	4081	4083	4087	4075
35	3852	3867	3874	3884	3878	3877	3886	3876	3884	3879	3876	3871	3874	3877	3873	3880	3861	3864	3864	3863	3869	3872	3876	3864
40	3606	3618	3620	3632	3627	3622	3619	3621	3627	3632	3632	3625	3622	3625	3626	3627	3614	3611	3613	3607	3608	3611	3617	3614
45	3307	3318	3326	3332	3327	3327	3320	3325	3328	3332	3330	3329	3336	3332	3329	3334	3309	3304	3298	3294	3314	3313	3319	3314
50	2964	2975	2976	2981	2964	2953	2947	2949	2976	2986	2987	2982	2998	2987	2983	2991	2941	2913	2879	2893	2929	2963	2966	2964
55	2568	2569	2561	2558	2503	2456	2435	2457	2505	2561	2586	2579	2611	2597	2577	2556	2462	2386	2344	2356	2423	2512	2549	2554
60	2092	2090	2064	2028	1929	1860	1839	1865	1934	2035	2093	2108	2160	2127	2093	2024	1892	1799	1758	1768	1836	1949	2031	2064
65	1542	1535	1492	1430	1319	1247	1222	1246	1318	1430	1516	1551	1636	1590	1527	1436	1295	1200	1158	1164	1229	1345	1448	1504
70	993	983	940	884	790	723	703	728	789	887	959	994	1075	1030	966	883	767	695	661	670	719	814	902	954
75	561	552	516	469	407	368	356	370	411	478	538	565	613	582	532	471	400	353	331	338	374	432	495	544
80	263	261	239	211	184	168	164	170	188	220	258	279	302	285	256	218	176	152	143	144	163	193	229	264
85	87	86	81	74	69	67	66	68	73	81	90	103	109	102	86	70	61	56	52	52	54	59	66	74
90	6	5	9	15	20	22	23	22	20	17	12	11	6	8	10	13	16	17	16	16	14	10	6	18
95	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
105	1	1	1	1	2	4	1	3	3	2	1	1	1	2	2	3	4	2	2	4	5	2	2	2
110	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	4	3	3	3	4	2	2	2
115	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
120	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
125	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3
130	2	2	2	3	3	3	3	3	3	3	3	2	3	3	4	4	4	4	3	3	4	4	3	3
135	3	2	3	3	3	3	4	4	4	4	3	2	3	3	4	4	5	5	4	4	4	4	4	4
140	3	3	3	3	4	4	4	4	4	4	3	3	3	4	4	5	5	5	5	4	5	4	3	3
145	3	3	3	4	4	4	4	4	4	4	3	3	4	4	4	5	5	5	5	5	5	4	4	4
150	3	3	3	3	4	4	4	4	4	3	3	4	4	5	4	4	5	6	6	5	5	4	5	5
155	3	4	4	3	3	3	4	4	3	4	4	3	5	5	5	5	5	5	5	5	5	5	5	5
160	4	4	4	4	3	4	3	4	4	4	4	4	5	5	6	6	6	6	6	6	5	5	6	6
165	4	4	4	4	3	3	4	4	4	4	4	4	5	5	5	5	6	6	6	5	5	5	5	5
170	4	4	4	4	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
175	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4
180	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4