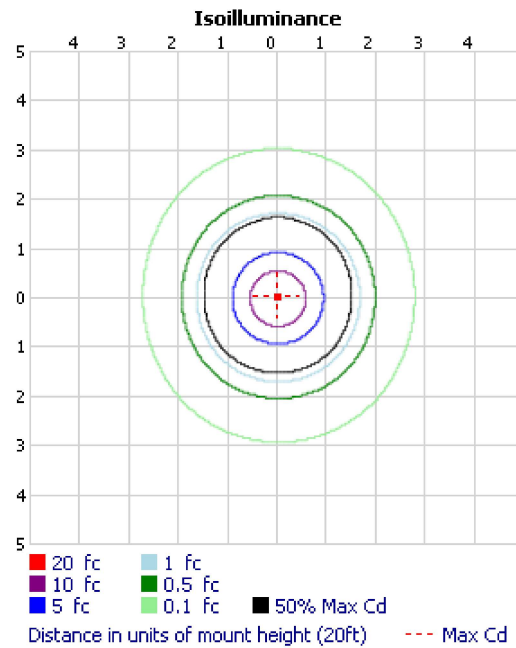
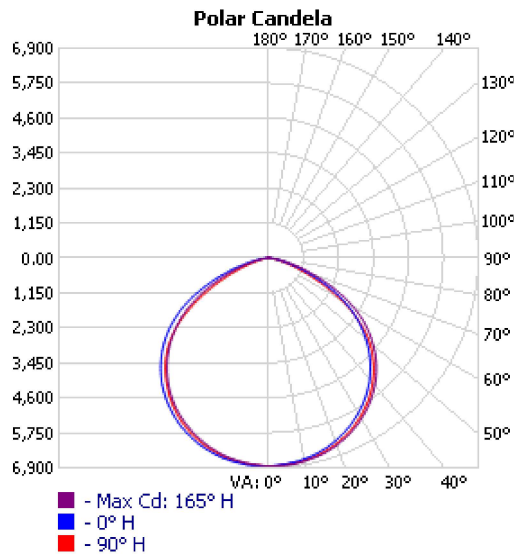


OUTDOOR PHOTOMETRIC REPORT **CATALOG: LHN-13040CL**



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS
 Test Lab: Dongguan New Testing Centre Co., Ltd
 Test Date: 30 June 2020
 Catalog: LHN-13040CL
 Description: LED
 Lamp Output: 1 lamp, rated Lumens/lamp: 18886
 Ballast / Driver: 120-277Vac 60Hz
 Input Wattage: 132.369
 Luminous Opening: Rectangle (L: 23.62", W: 9.84")
 Max Cd: 6,841.7 at Horizontal: 165°, Vertical: 2°
 CUTOFF CLASS: Cutoff
 Roadway Class: Type VS
 Efficiency: 100%

No
 Photo
 Available



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VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-13040CL



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5,412.3	28.7%	28.7%
0-40	8,964.6	47.5%	47.5%
0-60	15,972.4	84.6%	84.6%
60-90	2,891.1	15.3%	15.3%
70-100	878.9	4.7%	4.7%
90-120	6.0	0%	0%
0-90	18,863.5	99.9%	99.9%
90-180	19.9	0.1%	0.1%
0-180	18,883.4	100%	100%

Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	18.9	
Max Cd, 80 to <90 Deg:	463.8	
	Lumens	% Lamp
Downward Street Side:	9,220.8	48.8%
Downward House Side:	9,644.9	51.1%
Downward Total:	18,865.7	99.9%
Upward Street Side:	9.7	0.1%
Upward House Side:	10.2	0.1%
Upward Total:	19.9	0.1%
Total Lumens:	18,885.6	100%

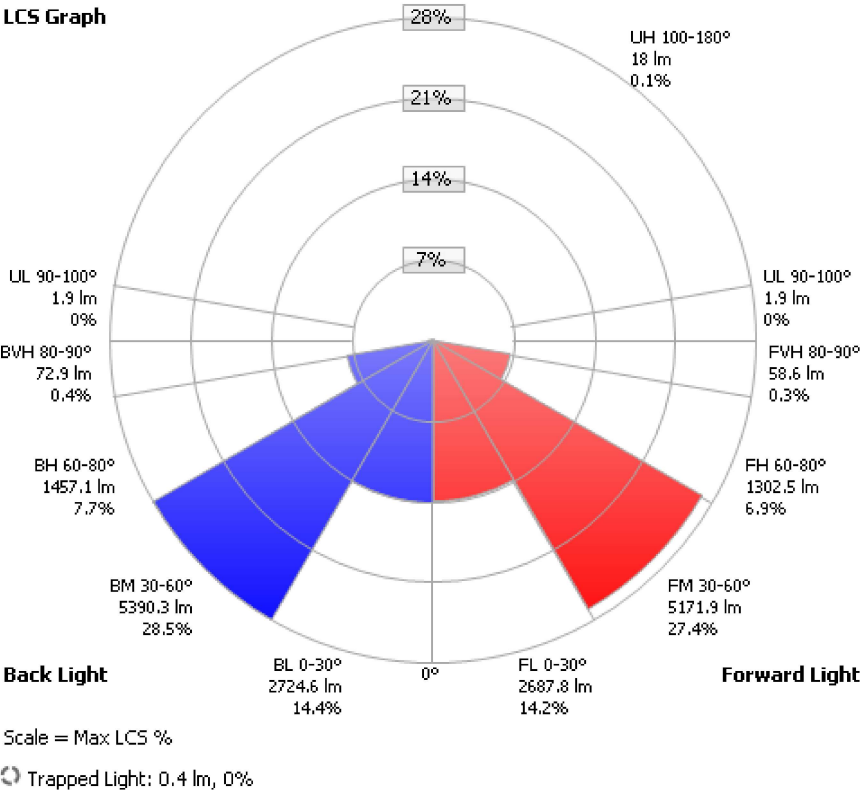
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	647.9	3.4%	90-100	1.9	0%
10-20	1,874.9	9.9%	100-110	1.8	0%
20-30	2,889.5	15.3%	110-120	2.2	0%
30-40	3,552.2	18.8%	120-130	2.7	0%
40-50	3,735.5	19.8%	130-140	3.2	0%
50-60	3,272.3	17.3%	140-150	3.1	0%
60-70	2,014.2	10.7%	150-160	2.6	0%
70-80	745.5	3.9%	160-170	1.8	0%
80-90	131.5	0.7%	170-180	0.6	0%

LCS Table

BUG Rating	B4 - U2 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	2,687.8	14.2%
Medium(30-60):	5,171.9	27.4%
High(60-80):	1,302.5	6.9%
Very High(80-90):	58.6	0.3%
Back Light		
Low(0-30):	2,724.6	14.4%
Medium(30-60):	5,390.3	28.5%
High(60-80):	1,457.1	7.7%
Very High(80-90):	72.9	0.4%
Uplight		
Low(90-100):	1.9	0%
High(100-180):	18.0	0.1%
Trapped Light:	0.4	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-13040CL



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	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830	6830
5	6789	6784	6803	6797	6805	6802	6808	6812	6817	6828	6823	6830	6834	6824	6817	6814	6812	6799	6806	6800	6792	6790	6786	6795
10	6709	6711	6712	6724	6740	6744	6759	6781	6780	6768	6777	6783	6785	6779	6772	6766	6761	6741	6752	6738	6727	6719	6712	6711
15	6578	6575	6588	6609	6621	6630	6646	6672	6680	6678	6681	6688	6693	6676	6677	6673	6655	6633	6623	6617	6606	6598	6591	6588
20	6398	6407	6423	6449	6464	6474	6494	6512	6529	6536	6541	6552	6550	6534	6534	6518	6510	6472	6466	6446	6429	6415	6406	6400
25	6167	6191	6199	6223	6257	6269	6298	6326	6330	6336	6342	6347	6357	6341	6333	6320	6299	6269	6251	6224	6209	6192	6186	6177
30	5890	5898	5923	5948	5984	5991	6030	6067	6072	6082	6099	6100	6110	6093	6081	6052	6032	6004	5977	5948	5933	5918	5904	5895
35	5559	5569	5591	5621	5658	5671	5709	5756	5764	5781	5799	5801	5804	5790	5777	5750	5710	5669	5645	5607	5587	5587	5573	5566
40	5169	5183	5201	5238	5264	5288	5325	5375	5391	5418	5436	5435	5453	5422	5410	5370	5330	5280	5249	5228	5181	5186	5173	5171
45	4712	4729	4746	4789	4801	4825	4872	4918	4963	4986	5000	5006	5021	4995	4961	4929	4886	4839	4796	4768	4729	4723	4714	4711
50	4184	4201	4223	4257	4268	4291	4331	4387	4422	4475	4502	4501	4535	4494	4458	4416	4368	4287	4236	4210	4198	4201	4179	4188
55	3585	3595	3613	3630	3612	3605	3630	3701	3776	3874	3910	3919	3964	3912	3869	3817	3699	3583	3506	3492	3515	3567	3579	3571
60	2883	2888	2886	2865	2793	2738	2749	2818	2947	3091	3186	3223	3278	3210	3158	3051	2862	2697	2615	2602	2656	2764	2842	2895
65	2068	2070	2042	1997	1888	1811	1810	1870	2003	2181	2315	2379	2469	2388	2305	2153	1946	1784	1713	1707	1772	1898	2002	2035
70	1303	1297	1260	1206	1111	1051	1045	1091	1193	1341	1465	1539	1639	1563	1470	1319	1150	1032	983	987	1043	1145	1241	1271
75	725	719	686	638	581	542	539	570	635	742	826	892	948	892	817	711	603	535	506	511	548	615	686	711
80	337	335	312	283	254	236	234	250	283	336	393	431	464	434	386	324	273	236	224	225	244	278	317	341
85	106	108	97	89	86	84	84	88	94	106	131	153	163	154	129	102	88	78	73	72	73	79	96	111
90	8	4	8	10	11	13	14	14	13	11	12	13	19	7	10	12	12	12	10	9	6	4	2	
95	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	
100	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	
105	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	
110	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	
115	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	
120	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	
125	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	
130	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	
135	4	4	4	3	4	4	4	4	4	4	4	4	3	5	4	5	5	5	5	5	5	4	4	
140	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	
145	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	5	6	6	6	6	6	5	5	
150	4	4	4	4	4	4	4	5	5	4	4	4	6	6	6	6	6	6	6	6	6	6	6	
155	5	5	5	4	4	5	5	5	5	5	4	5	7	7	7	7	7	7	7	7	7	7	7	
160	5	5	5	5	4	5	5	5	5	5	5	5	7	7	7	8	8	8	8	8	8	7	8	
165	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	8	8	7	7	8	7	7	
170	6	6	5	5	5	5	5	5	6	6	5	5	7	7	7	7	7	7	7	7	7	6	7	
175	6	6	6	6	6	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	6	6	
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	