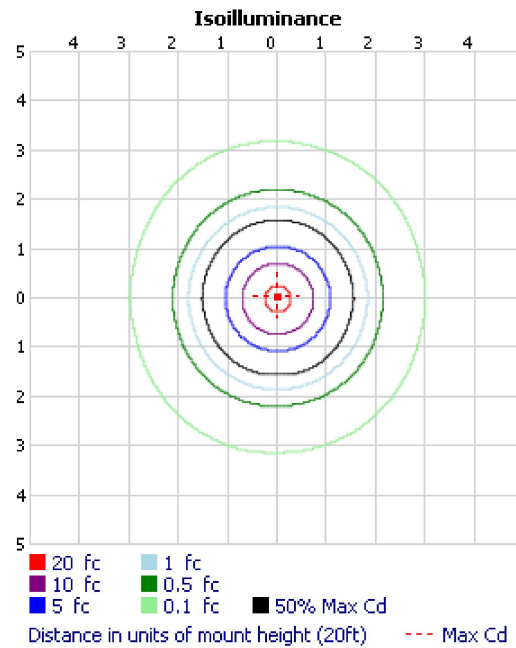
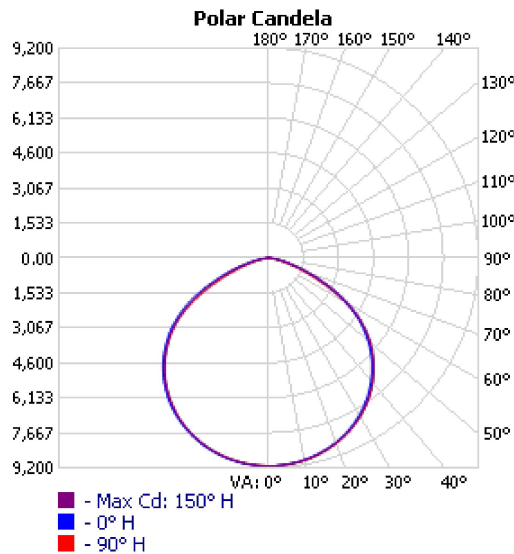


OUTDOOR PHOTOMETRIC REPORT **CATALOG: LHN-18040CL**



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS
Test Lab: Dongguan New Testing Centre Co., Ltd
Test Date: 01 July 2020
Catalog: LHN-18040CL
Description: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 25377
Ballast / Driver: 120-277Vac 60Hz
Input Wattage: 180.15
Luminous Opening: Rectangle (L: 23.62", W: 15.75")
Max Cd: 9,113.4 at Horizontal: 150°, Vertical: 1°
CUTOFF CLASS: Cutoff
Roadway Class: Type VS
Efficiency: 100%

No
 Photo
 Available



Visual Photometric Tool 1.2.46 copyright 2021, Acuity Brands Lighting.

This Photometric report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Photometric report is dependent on the accuracy of the data provided. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual Photometric performance to differ from the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.



OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-18040CL



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	7,213.4	28.4%	28.4%
0-40	11,947.2	47.1%	47.1%
0-60	21,337.3	84.1%	84.1%
60-90	4,011.8	15.8%	15.8%
70-100	1,246.1	4.9%	4.9%
90-120	7.3	0%	0%
0-90	25,349.1	99.9%	99.9%
90-180	24.6	0.1%	0.1%
0-180	25,373.7	100%	100%

Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	38.0	
Max Cd, 80 to <90 Deg:	597.5	
	Lumens	% Lamp
Downward Street Side:	12,576.3	49.6%
Downward House Side:	12,775.7	50.3%
Downward Total:	25,352.0	99.9%
Upward Street Side:	11.9	0%
Upward House Side:	12.7	0%
Upward Total:	24.6	0.1%
<hr/>		
Total Lumens:	25,376.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	864.1	3.4%	90-100	2.3	0%
10-20	2,498.7	9.8%	100-110	2.3	0%
20-30	3,850.6	15.2%	110-120	2.7	0%
30-40	4,733.8	18.7%	120-130	3.3	0%
40-50	4,981.4	19.6%	130-140	3.9	0%
50-60	4,408.8	17.4%	140-150	3.8	0%
60-70	2,768.0	10.9%	150-160	3.3	0%
70-80	1,048.9	4.1%	160-170	2.2	0%
80-90	194.9	0.8%	170-180	0.7	0%

LCS Table

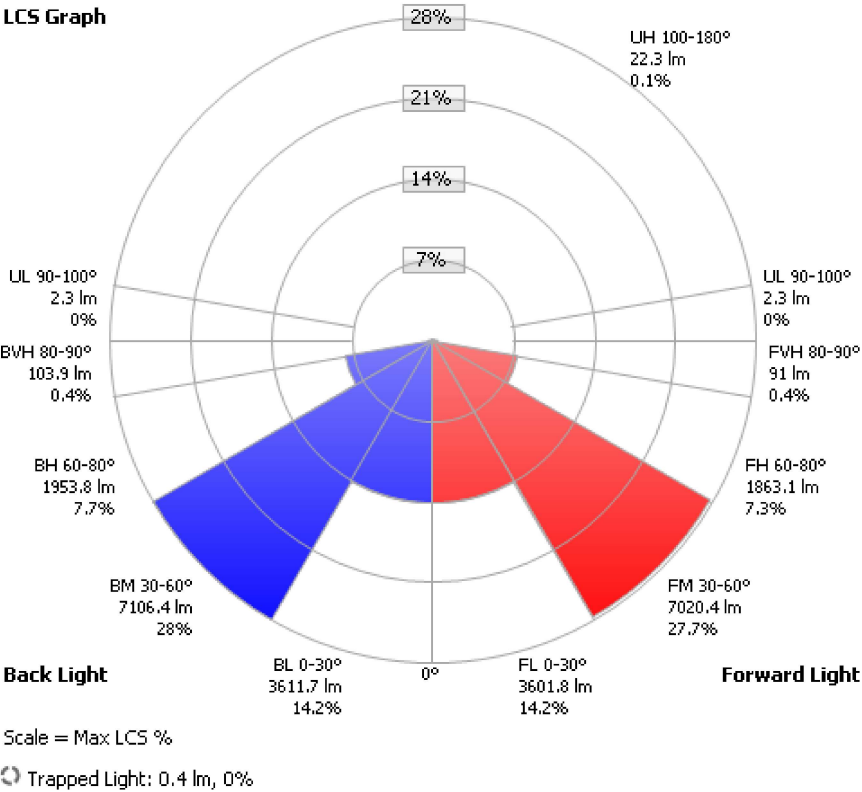
BUG Rating	B4 - U2 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	3,601.8	14.2%
Medium(30-60):	7,020.4	27.7%
High(60-80):	1,863.1	7.3%
Very High(80-90):	91.0	0.4%
Back Light		
Low(0-30):	3,611.7	14.2%
Medium(30-60):	7,106.4	28%
High(60-80):	1,953.8	7.7%
Very High(80-90):	103.9	0.4%
Uplight		
Low(90-100):	2.3	0%
High(100-180):	22.3	0.1%
Trapped Light:	0.4	0%



VISUAL PHOTOMETRIC TOOL

PAGE 2 OF 4

OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-18040CL



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	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109	9109
5	9077	9078	9079	9077	9083	9079	9088	9086	9077	9081	9078	9083	9090	9085	9088	9081	9084	9081	9085	9080	9071	9079	9075	9070
10	8980	8987	8994	8989	8994	8998	9010	9006	8994	8998	8996	8998	9013	9007	9006	9002	8998	8992	8984	8993	8982	8985	8989	8980
15	8817	8827	8837	8839	8843	8843	8867	8860	8854	8856	8851	8848	8867	8863	8858	8849	8849	8839	8836	8848	8828	8834	8829	8820
20	8599	8609	8621	8623	8633	8633	8652	8650	8646	8645	8632	8632	8653	8653	8648	8637	8638	8630	8635	8631	8613	8616	8602	8600
25	8309	8316	8328	8340	8360	8359	8375	8374	8366	8364	8364	8353	8380	8381	8375	8366	8359	8347	8348	8344	8330	8328	8326	8320
30	7944	7954	7966	7984	8001	8002	8022	8019	8009	8017	8014	8011	8038	8030	8030	8015	8006	8004	7997	7991	7971	7978	7968	7960
35	7510	7515	7533	7546	7561	7564	7597	7595	7580	7602	7600	7588	7624	7609	7612	7589	7581	7574	7565	7556	7540	7538	7536	7520
40	6989	7003	7028	7030	7041	7055	7092	7089	7068	7093	7093	7086	7126	7118	7123	7088	7073	7057	7064	7039	7033	7044	7036	7020
45	6396	6418	6429	6444	6432	6448	6490	6473	6463	6497	6517	6506	6553	6547	6541	6509	6471	6460	6470	6428	6415	6445	6444	6420
50	5701	5723	5738	5743	5719	5733	5789	5767	5769	5825	5838	5837	5888	5878	5869	5842	5773	5766	5774	5722	5710	5759	5754	5720
55	4896	4919	4920	4913	4887	4881	4959	4932	4950	5030	5043	5056	5119	5101	5084	5042	4950	4917	4943	4872	4892	4959	4960	4920
60	3928	3951	3933	3908	3836	3783	3868	3855	3935	4066	4099	4122	4189	4180	4129	4055	3902	3821	3856	3776	3865	3982	3994	4020
65	2814	2826	2796	2739	2620	2539	2603	2591	2716	2899	2973	3009	3092	3069	2998	2889	2689	2576	2600	2526	2654	2810	2859	2900
70	1785	1788	1754	1680	1566	1484	1519	1510	1623	1791	1882	1931	2032	2009	1940	1819	1632	1528	1535	1483	1589	1737	1817	1870
75	1013	1015	986	925	847	791	806	805	874	979	1062	1108	1188	1172	1111	1013	880	813	808	783	841	942	1013	1060
80	481	485	464	421	385	365	367	370	397	449	506	541	598	588	543	477	414	378	367	357	382	424	474	510
85	156	160	145	138	135	132	132	135	140	148	167	192	230	224	195	165	149	136	129	125	128	134	148	157
90	23	23	4	6	9	10	10	10	11	10	11	38	27	24	26	8	8	6	5	4	3	2	2	
95	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
100	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
105	2	1	1	1	1	2	2	2	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	
110	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	
115	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	
120	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	4	4	
125	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	
130	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	
135	5	5	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6	
140	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	7	7	6	6	6	6	6	
145	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	
150	5	6	5	5	5	5	5	5	5	5	5	5	7	7	8	8	8	8	8	8	7	8	7	
155	6	6	6	5	5	6	5	6	6	6	6	6	9	9	9	9	9	9	9	9	9	9	9	
160	6	6	6	6	5	6	5	6	6	6	6	6	9	9	10	10	10	10	10	10	10	10	10	
165	6	6	6	6	6	6	6	6	7	7	6	6	9	9	10	9	10	10	10	9	10	10	9	
170	7	7	7	7	6	6	6	6	7	7	7	7	9	9	9	9	9	9	9	9	9	8	9	
175	8	8	8	7	7	7	7	7	7	7	7	7	8	8	8	9	9	9	8	8	9	8	8	
180	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	