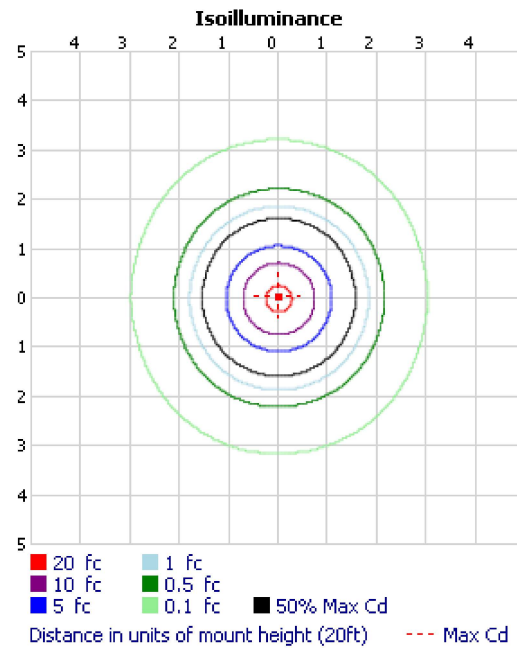
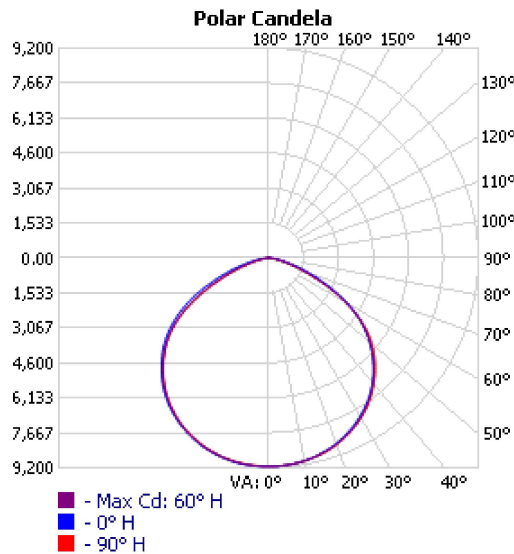


# **OUTDOOR PHOTOMETRIC REPORT** **CATALOG: LHN-18050CL**



**Manufacturer:** ADVANTAGE LIGHTING SOLUTIONS  
**Test Lab:** Dongguan New Testing Centre Co., Ltd  
**Test Date:** 01 July 2020  
**Catalog:** LHN-18050CL  
**Description:** LED  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 25728  
**Ballast / Driver:** 120-277Vac 60Hz  
**Input Wattage:** 179.263  
**Luminous Opening:** Rectangle (L: 23.62", W: 15.75")  
**Max Cd:** 9,141.7 at Horizontal: 60°, 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-18050CL

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Luminaire
0-30	7,260.3	28.2%	28.2%
0-40	12,046.3	46.8%	46.8%
0-60	21,591.3	83.9%	83.9%
60-90	4,108.7	16%	16%
70-100	1,288.5	5%	5%
90-120	7.6	0%	0%
0-90	25,700.1	99.9%	99.9%
90-180	25.2	0.1%	0.1%
0-180	25,725.3	100%	100%

**Roadway Summary**

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	44.3	
Max Cd, 80 to <90 Deg:	623.2	
	Lumens	% Lamp
Downward Street Side:	12,716.8	49.4%
Downward House Side:	12,986.2	50.5%
Downward Total:	25,703.0	99.9%
Upward Street Side:	12.2	0%
Upward House Side:	13.1	0.1%
Upward Total:	25.3	0.1%
Total Lumens:	25,728.2	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	867.5	3.4%	90-100	2.4	0%
10-20	2,512.5	9.8%	100-110	2.4	0%
20-30	3,880.3	15.1%	110-120	2.8	0%
30-40	4,786.0	18.6%	120-130	3.4	0%
40-50	5,055.7	19.7%	130-140	4.0	0%
50-60	4,489.3	17.5%	140-150	3.9	0%
60-70	2,822.6	11.0%	150-160	3.4	0%
70-80	1,080.6	4.2%	160-170	2.3	0%
80-90	205.5	0.8%	170-180	0.7	0%

**LCS Table**

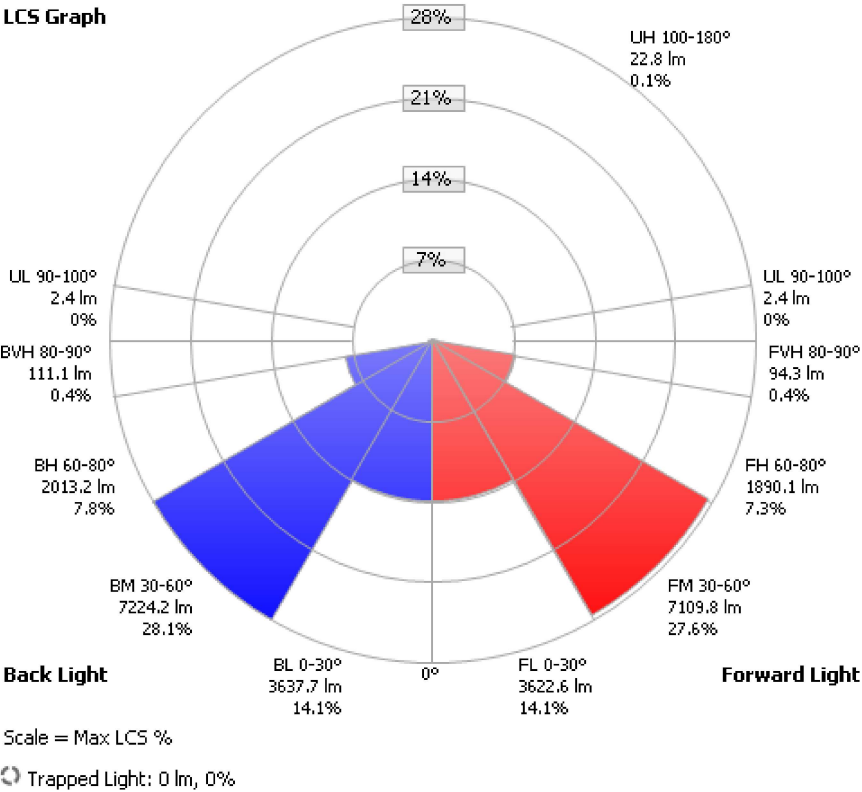
BUG Rating	B4 - U2 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	3,622.6	14.1%
Medium(30-60):	7,109.8	27.6%
High(60-80):	1,890.1	7.3%
Very High(80-90):	94.3	0.4%
Back Light		
Low(0-30):	3,637.7	14.1%
Medium(30-60):	7,224.2	28.1%
High(60-80):	2,013.2	7.8%
Very High(80-90):	111.1	0.4%
Uplight		
Low(90-100):	2.4	0%
High(100-180):	22.8	0.1%
Trapped Light:	0.000	0%



VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT  
CATALOG: LHN-18050CL



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	34
0	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139	9139
5	9111	9115	9115	9108	9110	9112	9108	9114	9114	9121	9120	9120	9126	9120	9118	9116	9112	9108	9104	9109	9110	9115	9109	9111
10	9017	9016	9023	9024	9028	9038	9036	9040	9040	9045	9052	9050	9056	9055	9045	9039	9040	9035	9031	9029	9023	9019	9022	9017
15	8865	8866	8883	8879	8887	8897	8903	8910	8912	8907	8913	8907	8912	8902	8910	8908	8902	8896	8885	8882	8874	8876	8874	8871
20	8649	8654	8666	8672	8689	8692	8705	8715	8711	8708	8709	8709	8721	8707	8715	8699	8697	8693	8669	8674	8668	8660	8655	8651
25	8362	8371	8391	8396	8415	8423	8431	8443	8442	8442	8439	8439	8446	8431	8447	8435	8430	8425	8401	8400	8397	8383	8380	8377
30	8010	8022	8040	8047	8068	8079	8094	8105	8105	8108	8113	8092	8116	8093	8115	8099	8085	8081	8057	8046	8046	8038	8019	8017
35	7592	7602	7621	7628	7642	7653	7676	7688	7684	7701	7700	7684	7716	7689	7703	7675	7661	7654	7641	7617	7607	7602	7596	7600
40	7085	7103	7125	7136	7130	7151	7175	7176	7185	7207	7214	7205	7230	7215	7221	7190	7157	7152	7136	7106	7093	7093	7104	7111
45	6483	6500	6529	6539	6511	6554	6597	6578	6597	6624	6639	6633	6656	6647	6651	6618	6559	6557	6538	6499	6478	6504	6519	6511
50	5791	5817	5836	5848	5814	5842	5918	5888	5900	5949	5972	5968	6006	5986	5978	5935	5869	5852	5857	5789	5776	5828	5828	5821
55	4990	5012	5027	5027	4984	4982	5075	5036	5087	5164	5188	5199	5229	5214	5181	5131	5035	4975	4987	4913	4942	5006	5020	5031
60	4009	4035	4024	4008	3899	3859	3954	3940	4058	4205	4238	4259	4296	4276	4217	4126	3955	3830	3844	3771	3853	3992	4034	4061
65	2875	2893	2861	2817	2669	2594	2674	2666	2828	3021	3100	3146	3188	3152	3062	2927	2718	2577	2580	2521	2623	2803	2875	2921
70	1829	1836	1803	1741	1604	1534	1585	1575	1707	1885	1983	2039	2102	2069	1982	1849	1657	1541	1533	1492	1576	1725	1814	1871
75	1042	1049	1020	963	879	835	860	856	916	1041	1128	1181	1234	1208	1137	1030	901	825	814	792	837	934	1006	1061
80	498	505	486	449	409	390	399	400	434	488	547	584	623	607	558	489	425	387	376	367	383	423	470	501
85	166	171	159	154	150	147	148	153	160	170	189	213	238	232	202	169	152	139	131	128	129	134	147	157
90	3	4	9	12	9	10	11	10	10	8	39	44	28	26	22	9	9	7	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	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	
110	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	
115	2	2	2	2	2	2	2	2	2	3	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	3	4	4	4	4	4	4	4	4	4	
125	3	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	4	4	4	4	4	4	4	4	4	5	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	7	7	7	7	7	7	7	7	
145	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	8	8	8	7	7	7	7	
150	5	6	5	5	5	5	5	6	6	6	5	5	7	7	8	8	8	8	8	8	8	8	8	
155	6	6	6	5	5	6	6	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	7	7	9	9	10	9	10	10	10	10	10	10	10	
170	7	7	7	7	6	6	6	7	7	7	7	7	9	9	9	9	9	10	9	10	9	9	9	
175	7	8	8	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	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	