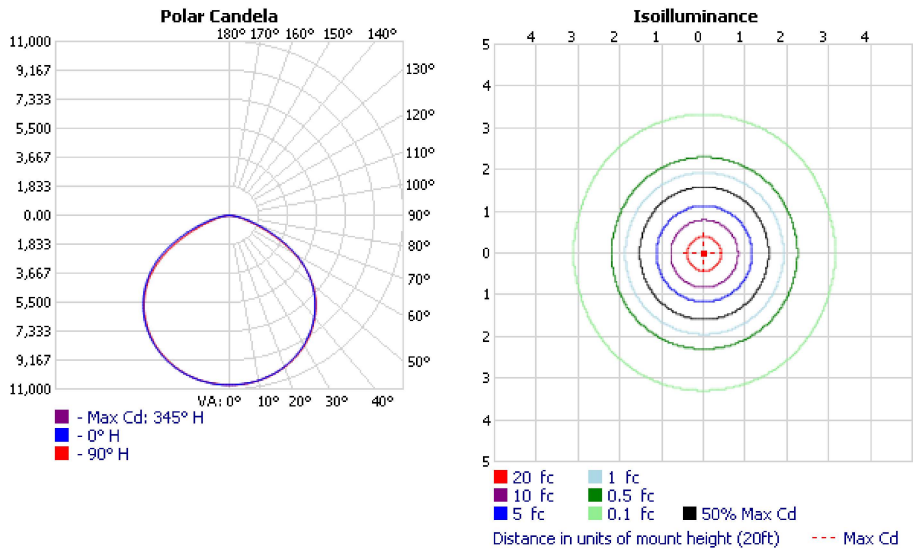


OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-21050CL



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS
Test Lab: Dongguan New Testing Centre Co., Ltd
Test Date: 01 July 2020
Catalog: LHN-21050CL
Description: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 30178
Ballast / Driver: 120-277Vac 60Hz
Input Wattage: 213.715
Luminous Opening: Rectangle (L: 23.62", W: 15.75")
Max Cd: 10,729.1 at Horizontal: 345°, Vertical: 2°
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-21050CL

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	8,516.9	28.2%	28.2%
0-40	14,124.9	46.8%	46.8%
0-60	25,276.2	83.8%	83.8%
60-90	4,868.8	16.1%	16.1%
70-100	1,543.4	5.1%	5.1%
90-120	9.1	0%	0%
0-90	30,145.0	99.9%	99.9%
90-180	29.8	0.1%	0.1%
0-180	30,174.8	100%	100%

Roadway Summary

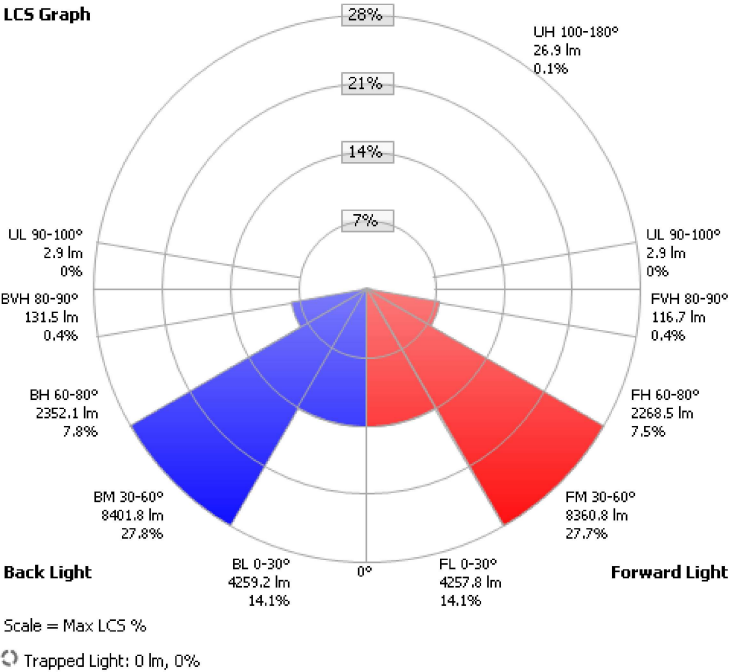
Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	36.9	
Max Cd, 80 to <90 Deg:	717.3	
	Lumens	% Lamp
Downward Street Side:	15,003.8	49.7%
Downward House Side:	15,144.6	50.2%
Downward Total:	30,148.4	99.9%
Upward Street Side:	14.5	0%
Upward House Side:	15.3	0.1%
Upward Total:	29.8	0.1%
Total Lumens:	30,178.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,018.1	3.4%	90-100	2.9	0%
10-20	2,948.0	9.8%	100-110	2.9	0%
20-30	4,550.8	15.1%	110-120	3.3	0%
30-40	5,608.0	18.6%	120-130	4.0	0%
40-50	5,913.0	19.6%	130-140	4.6	0%
50-60	5,238.3	17.4%	140-150	4.5	0%
60-70	3,328.3	11.0%	150-160	4.0	0%
70-80	1,292.3	4.3%	160-170	2.7	0%
80-90	248.2	0.8%	170-180	0.9	0%

LCS Table

BUG Rating	B4 - U2 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	4,257.8	14.1%
Medium(30-60):	8,360.8	27.7%
High(60-80):	2,268.5	7.5%
Very High(80-90):	116.7	0.4%
Back Light		
Low(0-30):	4,259.2	14.1%
Medium(30-60):	8,401.8	27.8%
High(60-80):	2,352.1	7.8%
Very High(80-90):	131.5	0.4%
Uplight		
Low(90-100):	2.9	0%
High(100-180):	26.9	0.1%
Trapped Light:	0.000	0%



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
0	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726	10726
5	10693	10697	10696	10700	10694	10702	10706	10706	10694	10702	10704	10702	10706	10703	10700	10695	10683	10692	10691	10686	10685	1068
10	10606	10607	10609	10613	10604	10618	10610	10619	10600	10605	10606	10598	10603	10599	10597	10593	10598	10604	10596	10589	10593	1058
15	10431	10433	10431	10441	10446	10452	10448	10456	10443	10439	10437	10433	10435	10426	10427	10433	10425	10428	10424	10431	10426	1042
20	10180	10177	10185	10192	10201	10219	10211	10216	10203	10198	10196	10190	10196	10182	10193	10193	10181	10170	10169	10183	10182	1018
25	9858	9853	9871	9872	9883	9902	9895	9902	9883	9888	9877	9869	9879	9861	9865	9862	9851	9843	9828	9852	9849	985
30	9446	9456	9464	9472	9480	9501	9497	9492	9479	9494	9477	9462	9478	9462	9462	9454	9447	9441	9431	9446	9443	944
35	8945	8954	8972	8979	8983	9000	8997	8988	8979	9002	8985	8976	8980	8971	8971	8957	8952	8937	8925	8940	8951	894
40	8351	8371	8380	8368	8375	8399	8399	8395	8390	8409	8401	8397	8405	8398	8391	8368	8354	8341	8340	8339	8342	835
45	7661	7670	7694	7670	7659	7691	7715	7690	7680	7716	7724	7719	7722	7711	7707	7677	7638	7632	7639	7620	7633	764
50	6849	6873	6876	6858	6832	6840	6901	6856	6862	6904	6928	6926	6936	6914	6915	6881	6815	6807	6820	6791	6803	684
55	5904	5930	5912	5883	5846	5820	5894	5854	5900	5964	6004	6011	6019	6003	5969	5925	5826	5780	5813	5769	5815	588
60	4770	4784	4743	4692	4623	4567	4643	4618	4709	4828	4880	4915	4924	4909	4843	4773	4617	4521	4557	4497	4592	471
65	3451	3453	3401	3325	3211	3127	3205	3182	3317	3482	3568	3614	3644	3610	3526	3424	3217	3096	3126	3067	3189	334
70	2212	2209	2160	2067	1950	1866	1910	1895	2022	2185	2290	2354	2386	2355	2271	2155	1986	1875	1886	1841	1933	208
75	1274	1271	1229	1152	1062	1002	1020	1014	1097	1214	1311	1370	1413	1394	1329	1228	1090	1010	1006	978	1041	114
80	618	620	592	542	496	470	476	476	514	576	639	694	717	706	663	595	521	479	470	457	482	53
85	214	215	196	185	174	165	165	172	184	200	223	253	281	275	248	217	192	172	163	162	166	18
90	4	8	37	8	11	14	14	14	13	10	7	3	33	32	28	25	23	22	19	17	9	
95	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
100	2	1	1	2	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	
105	2	2	2	2	2	3	3	3	2	2	2	2	3	3	3	4	4	5	4	5	4	
110	2	2	2	2	2	2	3	2	2	2	2	2	4	4	4	4	4	4	4	4	4	
115	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	
120	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	
125	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	
130	5	5	4	4	5	4	4	4	5	5	5	5	6	6	6	6	6	6	6	6	6	
135	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	
140	6	6	6	6	6	6	6	6	6	6	6	6	7	8	8	8	8	8	8	7	8	
145	6	6	6	6	6	6	6	6	6	6	6	6	8	8	8	8	8	9	9	8	9	
150	6	7	6	6	6	6	6	6	6	7	6	6	9	9	9	9	9	9	9	9	9	
155	7	7	7	7	6	7	7	7	7	7	7	7	10	10	11	11	11	11	11	11	11	1
160	7	7	7	7	7	7	7	7	7	8	8	7	11	11	11	12	12	12	12	12	12	1
165	8	8	8	7	7	7	7	8	8	8	8	8	11	11	11	11	12	12	12	11	11	1
170	8	8	8	8	7	8	8	8	8	8	8	8	10	10	11	11	11	11	11	11	11	1
175	9	9	9	9	8	8	8	8	9	9	9	9	10	10	10	10	11	11	10	10	10	1
180	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	