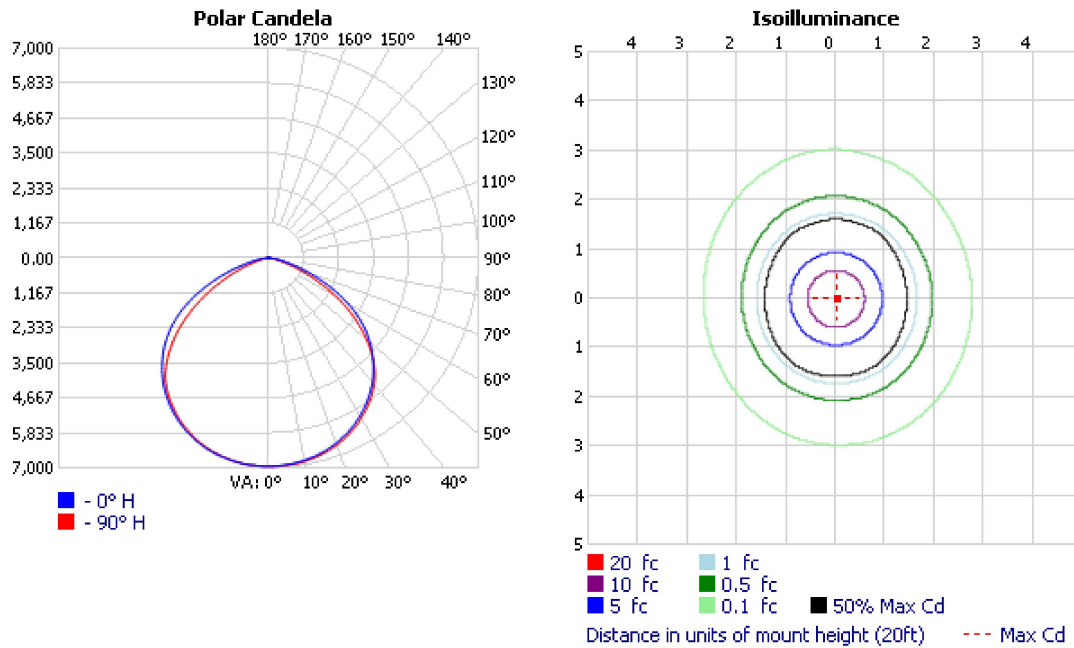


OUTDOOR PHOTOMETRIC REPORT **CATALOG: LHN-13050CL**



Manufacturer: ADVANTAGE LIGHTING SOLUTIONS
Test Lab: Dongguan New Testing Centre Co., Ltd
Test Date: 30 June 2020
Catalog: LHN-13050CL
Description: LED
Lamp Output: 1 lamp, rated Lumens/lamp: 19117
Ballast / Driver: 120-277Vac 60Hz
Input Wattage: 131.596
Luminous Opening: Rectangle (L: 23.62", W: 9.84")
Max Cd: 6,954.1 at Horizontal: 90°, 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-13050CL



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5,521.5	28.9%	28.9%
0-40	9,156.7	47.9%	47.9%
0-60	16,234.5	84.9%	84.9%
60-90	2,852.3	14.9%	14.9%
70-100	880.3	4.6%	4.6%
90-120	12.1	0.1%	0.1%
0-90	19,086.7	99.8%	99.9%
90-180	27.6	0.1%	0.1%
0-180	19,114.3	100%	100%

Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	40.3	
Max Cd, 80 to <90 Deg:	449.2	
	Lumens	% Lamp
Downward Street Side:	9,480.0	49.6%
Downward House Side:	9,609.0	50.3%
Downward Total:	19,089.0	99.9%
Upward Street Side:	13.5	0.1%
Upward House Side:	14.1	0.1%
Upward Total:	27.6	0.1%
Total Lumens:	19,116.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	659.8	3.5%	90-100	7.2	0%
10-20	1,910.9	10.0%	100-110	2.3	0%
20-30	2,950.8	15.4%	110-120	2.6	0%
30-40	3,635.2	19.0%	120-130	3.1	0%
40-50	3,812.5	19.9%	130-140	3.6	0%
50-60	3,265.2	17.1%	140-150	3.4	0%
60-70	1,979.1	10.4%	150-160	2.9	0%
70-80	730.9	3.8%	160-170	1.9	0%
80-90	142.3	0.7%	170-180	0.6	0%

LCS Table

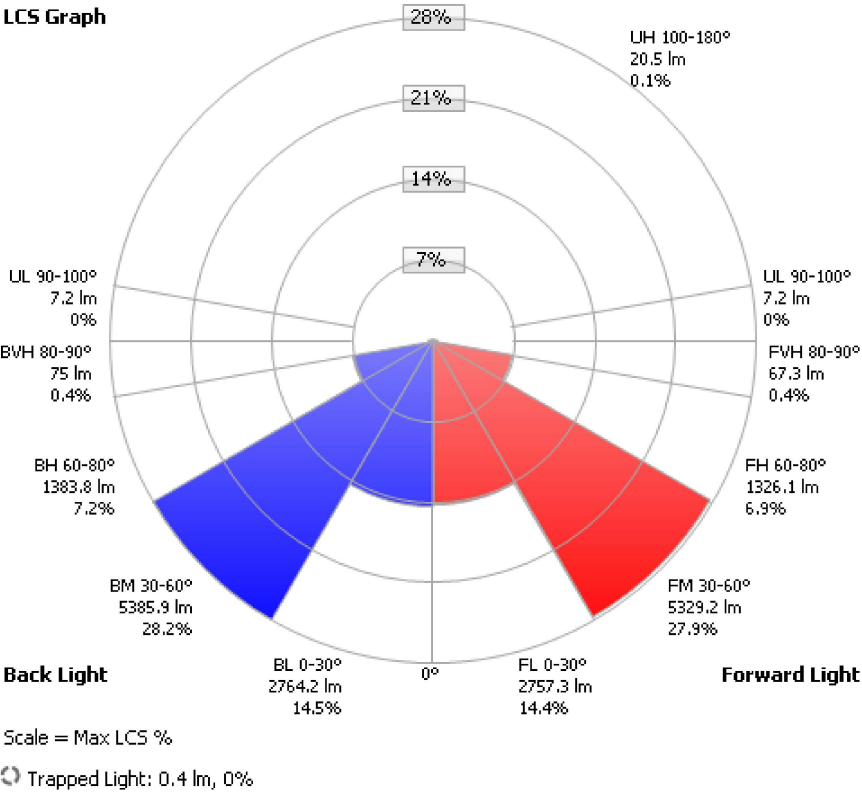
BUG Rating	B4 - U2 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	2,757.3	14.4%
Medium(30-60):	5,329.2	27.9%
High(60-80):	1,326.1	6.9%
Very High(80-90):	67.3	0.4%
Back Light		
Low(0-30):	2,764.2	14.5%
Medium(30-60):	5,385.9	28.2%
High(60-80):	1,383.8	7.2%
Very High(80-90):	75.0	0.4%
Uplight		
Low(90-100):	7.2	0%
High(100-180):	20.5	0.1%
Trapped Light:	0.4	0%



VISUAL PHOTOMETRIC TOOL

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OUTDOOR PHOTOMETRIC REPORT
CATALOG: LHN-13050CL



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	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949	6949
5	6916	6936	6935	6930	6934	6939	6942	6938	6934	6941	6939	6939	6926	6932	6933	6926	6933	6940	6937	6932	6934	6922	6927	6930
10	6851	6865	6871	6865	6881	6885	6885	6892	6888	6878	6879	6876	6875	6876	6873	6873	6867	6864	6862	6861	6860	6865	6864	6860
15	6740	6750	6752	6773	6785	6791	6790	6788	6786	6788	6784	6770	6769	6767	6770	6758	6756	6751	6741	6737	6742	6750	6762	6750
20	6568	6589	6610	6613	6626	6631	6635	6650	6644	6635	6629	6613	6617	6615	6613	6598	6592	6587	6588	6583	6590	6584	6595	6590
25	6357	6387	6404	6411	6430	6423	6426	6437	6442	6437	6431	6403	6412	6414	6404	6387	6372	6376	6362	6360	6367	6367	6377	6378
30	6085	6124	6145	6153	6164	6176	6166	6181	6180	6187	6163	6142	6150	6152	6137	6120	6109	6100	6087	6079	6090	6100	6110	6110
35	5761	5800	5821	5842	5848	5864	5858	5870	5863	5866	5857	5832	5833	5845	5826	5807	5780	5763	5760	5745	5747	5764	5780	5760
40	5391	5412	5441	5454	5464	5477	5476	5483	5484	5488	5480	5461	5470	5467	5448	5416	5386	5380	5353	5357	5355	5367	5385	5390
45	4938	4966	4988	5010	4995	4975	4964	4998	5033	5041	5045	5010	5031	5025	5004	4963	4910	4836	4790	4810	4866	4912	4934	4930
50	4420	4445	4463	4480	4397	4310	4282	4327	4416	4502	4522	4497	4536	4521	4485	4427	4274	4137	4082	4111	4221	4336	4394	4420
55	3817	3826	3847	3801	3635	3540	3505	3548	3649	3813	3909	3892	3949	3914	3858	3722	3497	3342	3269	3299	3420	3604	3760	3800
60	3083	3104	3097	2971	2785	2680	2638	2677	2776	2963	3154	3176	3240	3199	3100	2880	2632	2475	2397	2414	2517	2723	2943	3050
65	2239	2260	2222	2079	1906	1794	1751	1772	1863	2030	2243	2316	2411	2361	2224	2007	1792	1633	1555	1559	1648	1822	2044	2180
70	1425	1446	1386	1272	1140	1053	1016	1032	1099	1223	1386	1479	1592	1540	1389	1230	1065	946	889	889	949	1071	1233	1370
75	806	820	769	682	601	554	535	542	579	654	757	847	919	878	763	661	557	493	463	460	491	560	662	760
80	371	381	353	320	290	272	263	270	281	301	352	403	449	424	357	301	263	235	223	222	233	253	292	350
85	117	122	122	116	112	108	105	105	105	110	119	135	158	145	125	109	97	88	83	80	79	82	91	110
90	9	12	18	29	36	40	40	37	32	25	16	12	18	20	26	34	34	33	30	27	30	23	11	
95	1	1	1	1	5	9	10	9	5	1	0	1	1	1	1	1	5	7	7	4	1	1	1	
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	1	1	2	2	2	3	2	2	3	2	1	1	2	2	2	2	3	4	3	4	3	3	3	
110	2	2	2	2	2	3	3	4	2	2	2	2	3	2	2	3	3	5	4	3	4	3	3	
115	2	2	3	2	2	3	3	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	
120	3	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
125	3	3	4	4	3	3	3	3	3	3	4	3	3	3	4	4	4	4	4	4	4	4	4	
130	3	3	4	4	4	4	4	4	4	4	4	3	4	4	5	4	5	5	5	4	5	5	5	
135	4	4	4	5	5	4	4	4	5	5	4	3	5	5	5	5	5	6	6	5	5	5	5	
140	4	5	4	5	5	5	5	5	5	5	4	4	5	5	5	6	6	6	6	5	6	6	5	
145	4	5	5	5	5	5	5	5	5	5	4	5	6	6	6	6	7	6	6	6	6	6	6	
150	5	5	5	5	5	5	5	5	5	5	4	5	6	6	6	6	7	7	7	7	7	6	7	
155	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	8	8	8	8	8	7	7	8	
160	5	5	5	5	4	5	5	5	5	5	6	5	7	8	8	8	8	8	8	8	8	8	8	
165	5	6	5	5	5	5	5	6	6	6	6	6	8	8	8	8	9	8	8	8	8	8	7	
170	5	6	6	5	5	6	6	6	6	6	6	6	7	7	7	8	8	8	8	8	7	7	7	
175	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	