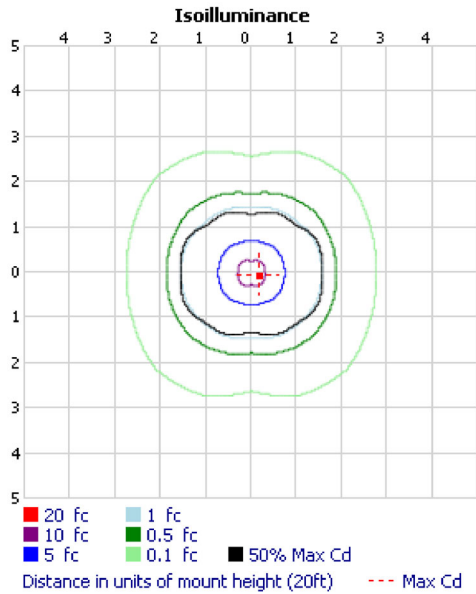
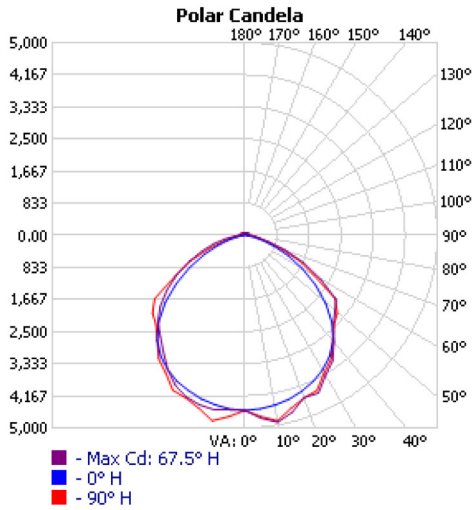


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-14LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510405
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-14lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 14306.2, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 2
Input Wattage: 96.27
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 4,921.0 at Horizontal: 67.5°, Vertical: 10°
Roadway Class: Type VS

No
Photo
Available



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2025, 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: DATA-4-14LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3,755.6	26.3%
0-40	6,185.5	43.2%
0-60	10,994.5	76.9%
60-90	2,732.8	19.1%
70-100	1,243.2	8.7%
90-120	354.1	2.5%
0-90	13,727.3	96%
90-180	578.9	4%
0-180	14,306.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	447.5	3.1%	90-100	138.7	1%
10-20	1,309.5	9.2%	100-110	114.6	0.8%
20-30	1,998.6	14.0%	110-120	100.8	0.7%
30-40	2,429.9	17.0%	120-130	77.9	0.5%
40-50	2,512.8	17.6%	130-140	53.9	0.4%
50-60	2,296.2	16.1%	140-150	39.2	0.3%
60-70	1,628.2	11.4%	150-160	29.0	0.2%
70-80	802.4	5.6%	160-170	18.5	0.1%
80-90	302.2	2.1%	170-180	6.3	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	205.0
Max Cd, 80 to <90 Deg:	557.0
	Lumens % Lamp
Downward Street Side:	6,905.4 48.3%
Downward House Side:	6,826.9 47.7%
Downward Total:	13,732.4 96%
Upward Street Side:	290.8 2%
Upward House Side:	288.0 2%
Upward Total:	578.8 4%
Total Lumens:	14,311.2 100%

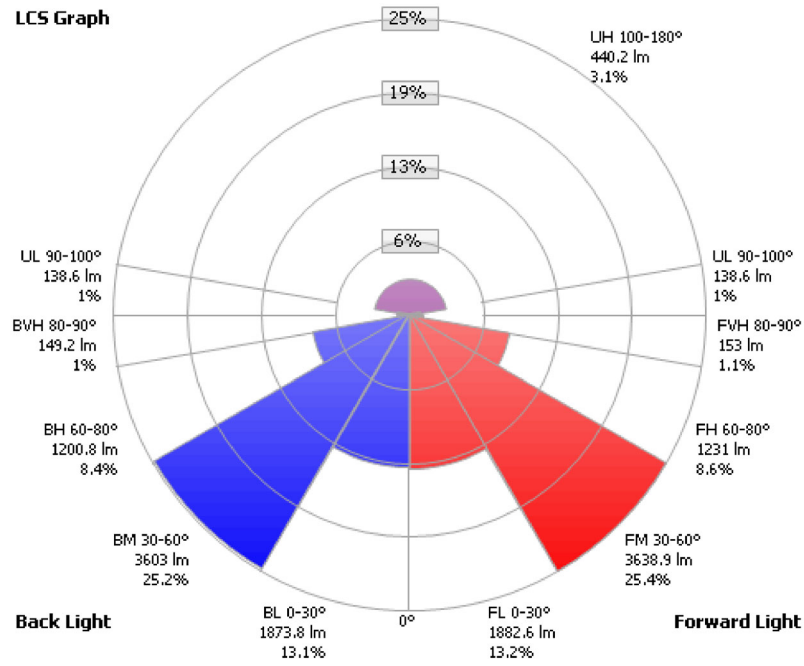
LCS Table

BUG Rating	B3 - U3 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	1,882.6	13.2%
Medium(30-60):	3,638.9	25.4%
High(60-80):	1,231.0	8.6%
Very High(80-90):	153.0	1.1%
Back Light		
Low(0-30):	1,873.9	13.1%
Medium(30-60):	3,603.0	25.2%
High(60-80):	1,200.8	8.4%
Very High(80-90):	149.2	1%
Uplight		
Low(90-100):	138.6	1%
High(100-180):	440.2	3.1%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-14LM-ST-840-U10-SM-CA



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	4543	4543	4543	4543	4543	4543	4543	4543	4543
5	4520	4554	4705	4758	4720	4754	4705	4543	4522
10	4472	4604	4785	4921	4886	4913	4778	4593	4464
15	4406	4569	4826	4754	4643	4739	4800	4553	4393
20	4307	4495	4588	4481	4492	4467	4546	4462	4286
25	4187	4335	4291	4514	4436	4502	4255	4289	4177
30	4031	4063	4290	4193	4117	4183	4234	4016	4018
35	3832	3745	4086	3972	3908	3960	4067	3694	3820
40	3567	3466	3705	3598	3550	3582	3693	3418	3546
45	3202	3247	3339	3253	3272	3235	3314	3200	3168
50	2741	2939	2882	3056	3134	3029	2862	2878	2703
55	2235	2538	2527	2891	2864	2870	2473	2473	2175
60	1722	2106	2317	2271	2079	2245	2261	2047	1655
65	1236	1647	1950	1687	1574	1673	1922	1591	1168
70	798	1240	1413	1130	990	1116	1381	1183	737
75	444	881	934	648	549	638	910	840	404
80	215	553	557	381	360	376	543	529	192
85	83	297	326	256	240	253	320	288	72
90	36	172	205	164	147	163	202	169	35
95	39	129	153	126	115	127	153	130	37
100	45	109	133	114	106	115	135	109	43
105	53	117	128	112	105	113	129	116	51
110	63	120	118	110	106	109	118	116	59
115	66	109	118	101	100	101	117	105	59
120	62	95	110	100	99	100	109	90	56
125	57	81	94	98	98	99	93	79	50
130	49	65	81	93	95	93	80	64	44
135	42	56	70	84	88	84	70	55	37
140	43	51	66	77	81	77	66	51	39
145	47	52	63	72	75	72	64	52	41
150	51	54	63	70	73	70	63	55	47
155	55	57	63	68	70	68	63	56	51
160	59	62	64	68	69	67	63	61	55
165	62	66	65	69	69	68	64	64	59
170	65	64	70	69	70	67	68	63	63
175	69	64	64	69	70	67	64	63	67
180	67	67	67	67	67	67	67	67	67