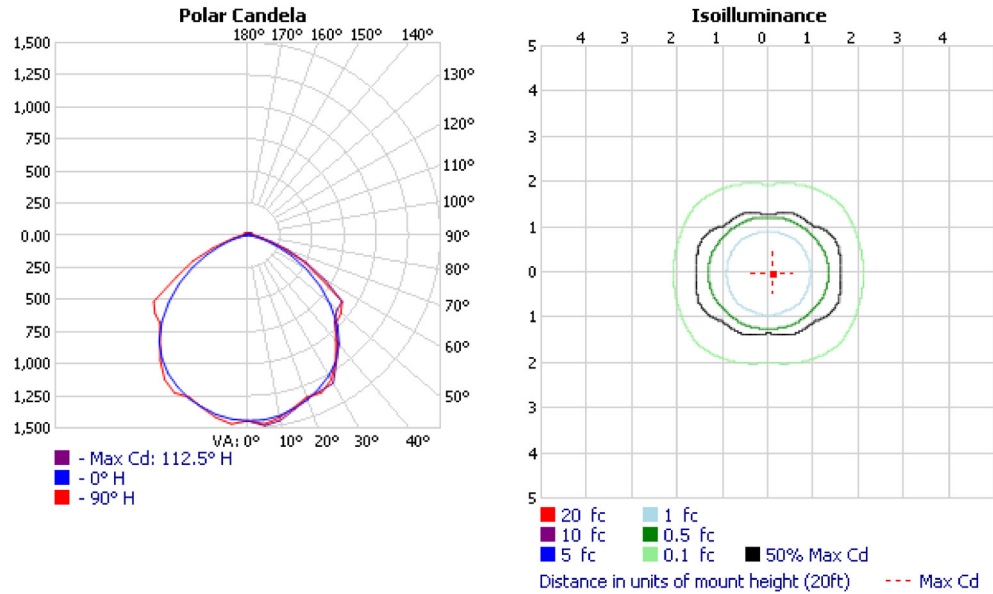


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-2-4LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-2-4lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 4338.9, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 1
Input Wattage: 27.6
Luminous Opening: Rectangle w/Luminous Sides (L: 22.32", W: 2.52", H: 0.96")
Max Cd: 1,487.0 at Horizontal: 112.5°, Vertical: 5°
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-2-4LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,143.0	26.3%
0-40	1,884.5	43.4%
0-60	3,342.2	77%
60-90	830.3	19.1%
70-100	377.1	8.7%
90-120	108.4	2.5%
0-90	4,172.5	96.2%
90-180	166.4	3.8%
0-180	4,338.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	139.0	3.2%	90-100	42.3	1%
10-20	396.9	9.1%	100-110	35.2	0.8%
20-30	607.1	14.0%	110-120	30.9	0.7%
30-40	741.5	17.1%	120-130	23.9	0.5%
40-50	758.4	17.5%	130-140	16.4	0.4%
50-60	699.3	16.1%	140-150	9.8	0.2%
60-70	495.4	11.4%	150-160	5.6	0.1%
70-80	243.2	5.6%	160-170	1.9	0%
80-90	91.6	2.1%	170-180	0.5	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	62.5
Max Cd, 80 to <90 Deg:	175.0
	Lumens % Lamp
Downward Street Side:	2,106.2 48.5%
Downward House Side:	2,067.9 47.7%
Downward Total:	4,174.1 96.2%
Upward Street Side:	83.7 1.9%
Upward House Side:	82.6 1.9%
Upward Total:	166.4 3.8%
Total Lumens:	4,340.5 100%

LCS Table

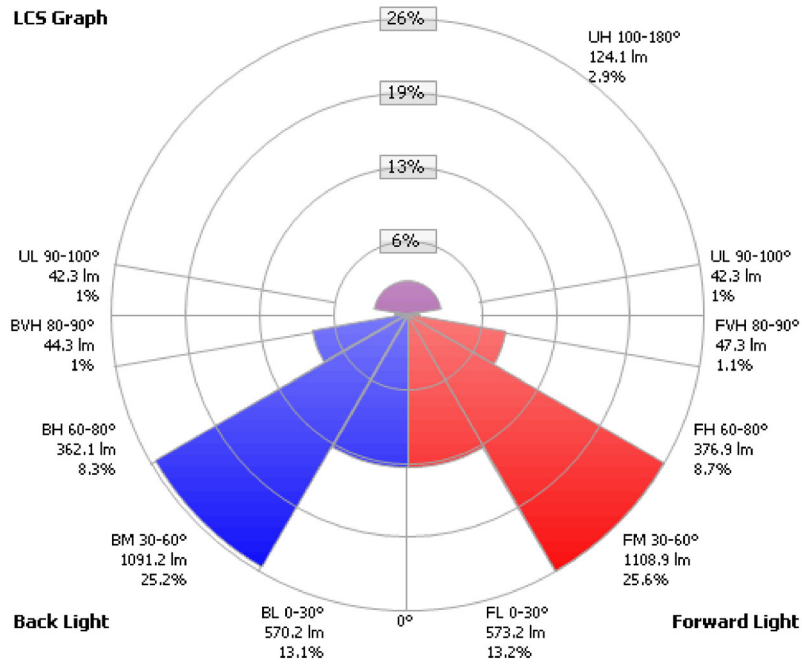
BUG Rating	B2 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	573.2	13.2%
Medium(30-60):	1,108.9	25.6%
High(60-80):	376.9	8.7%
Very High(80-90):	47.3	1.1%
Back Light		
Low(0-30):	570.2	13.1%
Medium(30-60):	1,091.2	25.2%
High(60-80):	362.1	8.3%
Very High(80-90):	44.3	1%
Uplight		
Low(90-100):	42.3	1%
High(100-180):	124.1	2.9%
Trapped Light:	0.000	0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-2-4LM-ST-840-U10-SM-CA



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-2-4LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	1444	1444	1444	1444	1444	1444	1444	1444	1444
5	1442	1437	1474	1486	1474	1487	1472	1431	1437
10	1426	1444	1476	1464	1440	1462	1470	1434	1418
15	1394	1428	1420	1402	1387	1402	1416	1415	1384
20	1361	1382	1356	1352	1340	1350	1354	1366	1350
25	1313	1312	1300	1338	1352	1336	1288	1295	1300
30	1261	1228	1258	1333	1298	1329	1257	1208	1243
35	1196	1130	1248	1210	1191	1204	1238	1114	1169
40	1106	1049	1153	1098	1066	1090	1133	1032	1076
45	986	978	1023	963	968	955	1002	958	950
50	839	888	894	912	946	905	870	860	804
55	687	764	753	906	896	896	742	740	654
60	530	638	699	711	638	697	686	612	500
65	376	500	606	514	474	504	586	478	352
70	242	380	436	342	296	330	416	359	223
75	135	274	288	196	165	190	271	252	122
80	66	175	172	116	108	113	160	156	58
85	26	96	100	77	71	75	95	86	21
90	11	54	62	50	44	49	60	50	10
95	12	41	48	38	35	38	46	38	11
100	14	34	42	36	32	36	40	32	12
105	16	36	40	35	32	35	39	35	15
110	19	37	37	34	32	34	35	35	18
115	20	34	36	31	30	31	35	32	18
120	19	30	34	30	30	30	33	28	16
125	18	26	30	30	30	30	28	24	14
130	16	20	25	28	29	28	24	20	12
135	13	18	22	26	27	26	22	16	11
140	13	16	20	24	24	24	20	16	0
145	0	0	20	22	23	22	20	16	0
150	0	0	19	22	22	22	19	0	0
155	0	0	19	20	21	20	19	0	0
160	0	0	0	20	21	20	19	0	0
165	0	0	0	0	21	20	0	0	0
170	0	0	0	0	21	20	0	0	0
175	0	0	0	0	21	20	0	0	0
180	0	0	0	0	20	20	0	0	0

