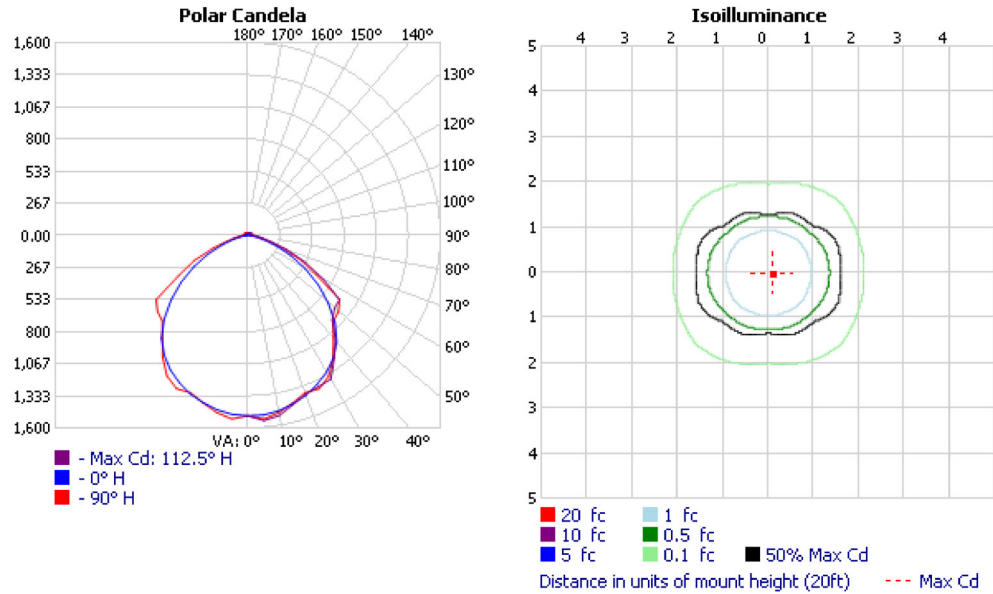


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-4LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510404
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-4lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 4503.7, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 1
Input Wattage: 28
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 1,543.5 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.

L042510404
VISUAL PHOTOMETRIC TOOL

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



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,186.4	26.3%
0-40	1,956.1	43.4%
0-60	3,469.2	77%
60-90	861.8	19.1%
70-100	391.4	8.7%
90-120	112.5	2.5%
0-90	4,331.0	96.2%
90-180	172.7	3.8%
0-180	4,503.7	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	144.3	3.2%	90-100	43.9	1%
10-20	411.9	9.1%	100-110	36.6	0.8%
20-30	630.2	14.0%	110-120	32.0	0.7%
30-40	769.7	17.1%	120-130	24.8	0.5%
40-50	787.2	17.5%	130-140	17.0	0.4%
50-60	725.9	16.1%	140-150	10.2	0.2%
60-70	514.3	11.4%	150-160	5.8	0.1%
70-80	252.4	5.6%	160-170	2.0	0%
80-90	95.1	2.1%	170-180	0.5	0%

Roadway Summary

Distribution:		Type VS
Max Cd, 90 Deg Vert:		64.9
Max Cd, 80 to <90 Deg:		181.7
	Lumens	% Lamp
Downward Street Side:	2,186.3	48.5%
Downward House Side:	2,146.5	47.7%
Downward Total:	4,332.8	96.2%
Upward Street Side:	86.9	1.9%
Upward House Side:	85.8	1.9%
Upward Total:	172.7	3.8%
Total Lumens:	4,505.4	100%

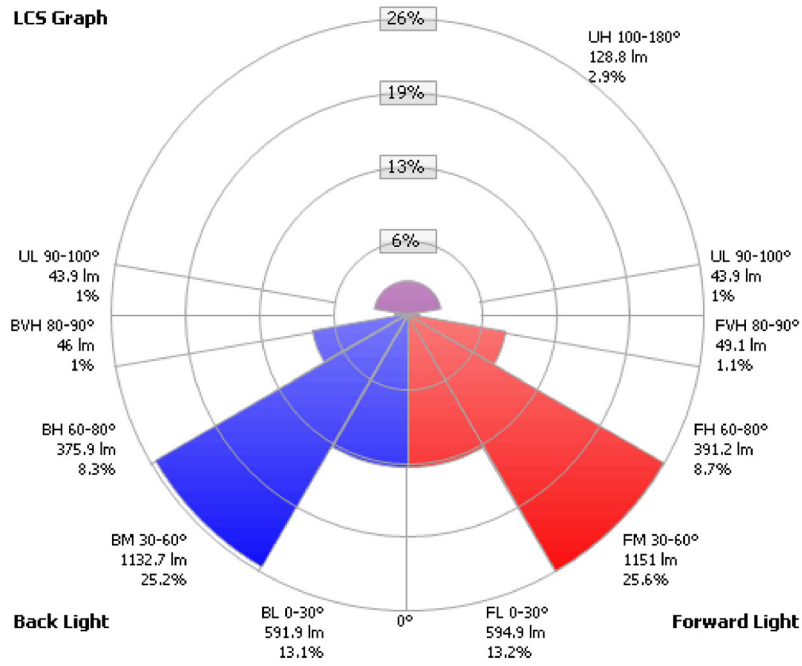
LCS Table

BUG Rating	B2 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	594.9	13.2%
Medium(30-60):	1,151.0	25.6%
High(60-80):	391.2	8.7%
Very High(80-90):	49.1	1.1%
Back Light		
Low(0-30):	591.9	13.1%
Medium(30-60):	1,132.7	25.2%
High(60-80):	375.9	8.3%
Very High(80-90):	46.0	1%
Uplight		
Low(90-100):	43.9	1%
High(100-180):	128.8	2.9%
Trapped Light:	0.000	0%

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



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

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



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	1498	1498	1498	1498	1498	1498	1498	1498	1498
5	1497	1492	1530	1543	1530	1544	1527	1485	1492
10	1480	1498	1532	1520	1495	1518	1526	1489	1471
15	1447	1482	1474	1456	1440	1455	1470	1469	1437
20	1413	1434	1408	1404	1390	1401	1405	1417	1401
25	1363	1362	1349	1388	1404	1386	1337	1344	1349
30	1309	1274	1306	1384	1347	1380	1305	1253	1290
35	1242	1173	1295	1255	1236	1249	1285	1156	1213
40	1148	1089	1197	1140	1107	1132	1176	1071	1117
45	1024	1015	1062	1000	1005	991	1040	995	986
50	871	921	928	947	982	939	904	893	834
55	713	794	782	940	931	931	770	768	678
60	550	662	726	738	662	723	712	635	520
65	390	520	630	534	492	523	609	496	366
70	251	395	453	355	307	343	432	373	231
75	140	285	299	203	171	197	281	262	127
80	69	182	179	120	113	117	167	162	60
85	27	100	104	80	74	78	99	89	22
90	11	57	65	52	46	51	62	52	10
95	12	43	49	40	36	39	48	40	11
100	15	36	44	37	34	37	42	34	13
105	17	38	42	36	34	36	40	36	16
110	20	38	38	35	34	35	36	36	18
115	21	36	38	32	32	32	36	33	18
120	20	31	35	32	32	32	34	29	17
125	18	26	31	31	31	31	30	24	15
130	16	21	26	30	30	30	25	20	12
135	13	18	23	26	28	26	22	17	11
140	13	16	21	24	25	24	21	16	0
145	0	0	20	23	24	23	20	16	0
150	0	0	20	22	23	22	20	0	0
155	0	0	20	21	22	21	20	0	0
160	0	0	0	21	22	21	20	0	0
165	0	0	0	0	22	21	0	0	0
170	0	0	0	0	22	21	0	0	0
175	0	0	0	0	22	21	0	0	0
180	0	0	0	0	21	21	0	0	0