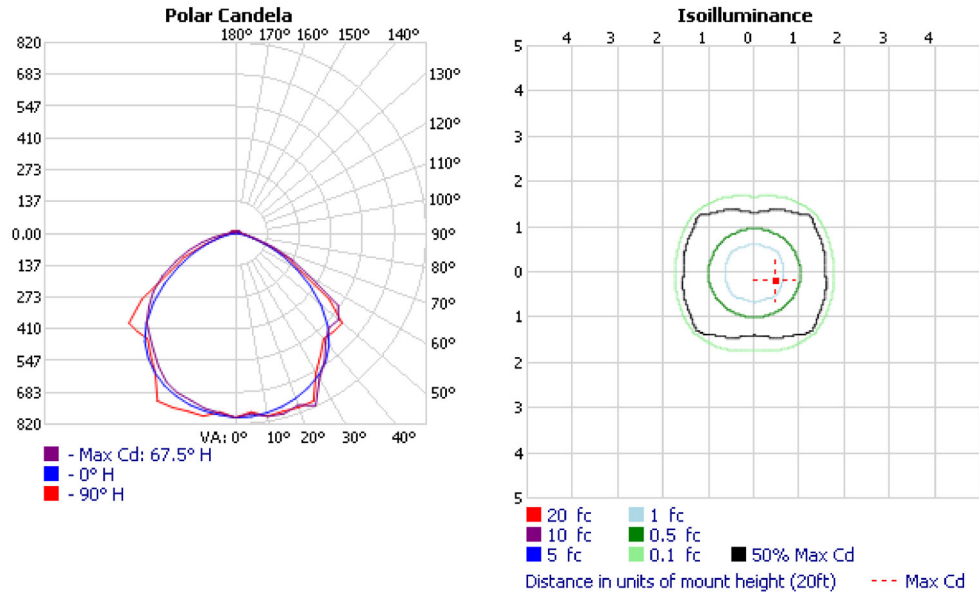


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-2LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510403
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-2lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 2431.7, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 1
Input Wattage: 15.03
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 815.0 at Horizontal: 67.5°, Vertical: 25°
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.

L042510403
VISUAL PHOTOMETRIC TOOL

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



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	638.8	26.3%
0-40	1,051.1	43.2%
0-60	1,890.1	77.7%
60-90	448.2	18.4%
70-100	198.2	8.2%
90-120	61.6	2.5%
0-90	2,338.3	96.2%
90-180	93.4	3.8%
0-180	2,431.7	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	74.5	3.1%	90-100	23.6	1%
10-20	219.6	9.0%	100-110	20.4	0.8%
20-30	344.7	14.2%	110-120	17.7	0.7%
30-40	412.3	17.0%	120-130	13.2	0.5%
40-50	434.8	17.9%	130-140	8.7	0.4%
50-60	404.3	16.6%	140-150	6.1	0.3%
60-70	273.6	11.3%	150-160	3.3	0.1%
70-80	127.8	5.3%	160-170	0.5	0%
80-90	46.9	1.9%	170-180	0.000	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	32.0
Max Cd, 80 to <90 Deg:	93.0
	Lumens % Lamp
Downward Street Side:	1,179.5 48.5%
Downward House Side:	1,159.8 47.7%
Downward Total:	2,339.2 96.2%
Upward Street Side:	46.2 1.9%
Upward House Side:	47.1 1.9%
Upward Total:	93.3 3.8%
Total Lumens:	2,432.6 100%

LCS Table

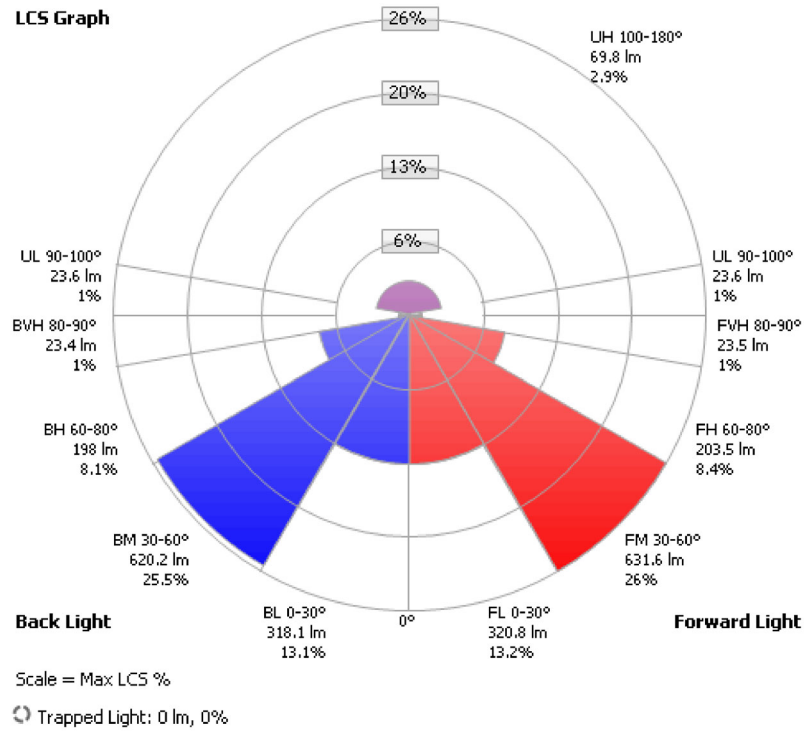
BUG Rating	B1 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	320.8	13.2%
Medium(30-60):	631.6	26%
High(60-80):	203.5	8.4%
Very High(80-90):	23.5	1%
Back Light		
Low(0-30):	318.1	13.1%
Medium(30-60):	620.2	25.5%
High(60-80):	198.0	8.1%
Very High(80-90):	23.4	1%
Uplight		
Low(90-100):	23.6	1%
High(100-180):	69.8	2.9%
Trapped Light:	0.000	0%



L042510403
 VISUAL PHOTOMETRIC TOOL

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





Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	791	791	791	791	791	791	791	791	791
5	790	779	784	777	770	781	781	774	783
10	782	769	776	798	797	802	770	763	774
15	770	749	791	802	791	804	781	742	762
20	754	734	776	785	795	786	764	729	744
25	733	713	750	815	794	813	734	704	722
30	708	670	768	721	691	714	747	661	692
35	674	622	721	667	637	659	709	614	654
40	626	579	641	602	589	592	629	574	607
45	561	546	573	570	596	564	562	540	542
50	481	501	494	577	598	568	484	486	461
55	392	435	451	538	492	523	438	431	372
60	302	370	426	371	323	357	416	362	284
65	217	292	333	271	245	263	325	284	202
70	141	220	227	171	144	165	224	214	128
75	79	153	141	93	77	91	139	150	71
80	39	93	82	55	50	54	81	92	34
85	16	48	47	38	35	37	47	50	12
90	8	27	31	26	23	26	32	30	6
95	8	21	25	22	20	22	26	24	6
100	9	20	23	20	19	21	24	20	7
105	10	21	22	20	19	20	23	21	8
110	12	21	20	19	19	19	22	20	10
115	13	19	19	18	17	18	22	18	10
120	12	16	18	18	17	18	20	16	8
125	11	13	15	17	17	17	16	13	8
130	9	9	12	15	16	16	13	11	7
135	8	8	11	13	14	14	12	9	6
140	8	8	10	12	13	12	11	9	6
145	8	9	10	11	12	11	10	9	7
150	0	9	10	11	11	11	10	9	0
155	0	0	10	11	11	11	11	0	0
160	0	0	0	11	11	11	11	0	0
165	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0