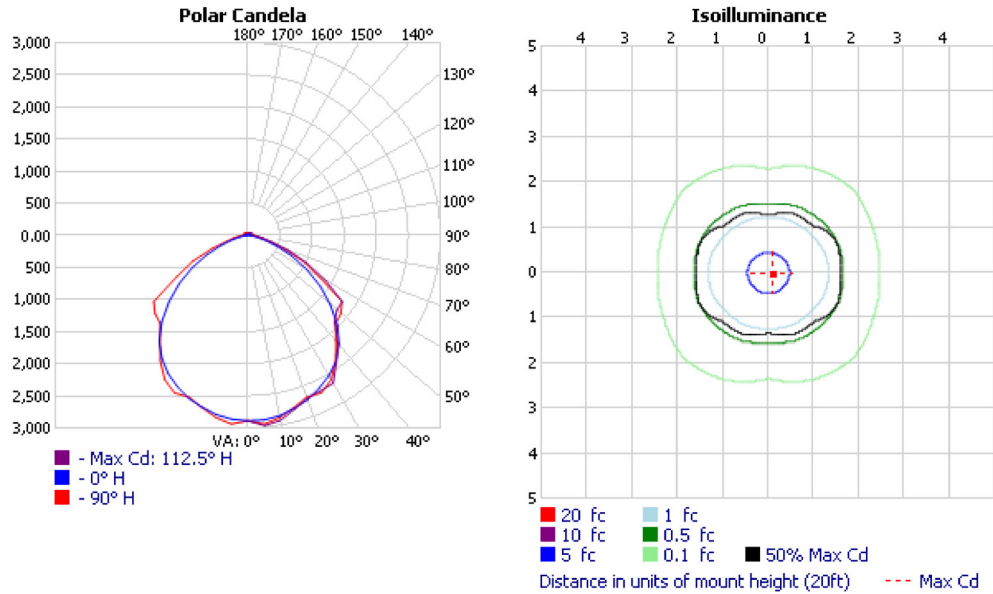


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-8LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510404
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-8lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 8677.7, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 1
Input Wattage: 55.19
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 2,974.0 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-4-8LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,286.0	26.3%
0-40	3,769.0	43.4%
0-60	6,684.4	77%
60-90	1,660.5	19.1%
70-100	754.2	8.7%
90-120	216.7	2.5%
0-90	8,344.9	96.2%
90-180	332.8	3.8%
0-180	8,677.7	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	278.1	3.2%	90-100	84.6	1%
10-20	793.7	9.1%	100-110	70.4	0.8%
20-30	1,214.2	14.0%	110-120	61.7	0.7%
30-40	1,483.0	17.1%	120-130	47.7	0.5%
40-50	1,516.7	17.5%	130-140	32.7	0.4%
50-60	1,398.6	16.1%	140-150	19.6	0.2%
60-70	990.9	11.4%	150-160	11.2	0.1%
70-80	486.4	5.6%	160-170	3.8	0%
80-90	183.2	2.1%	170-180	1.0	0%

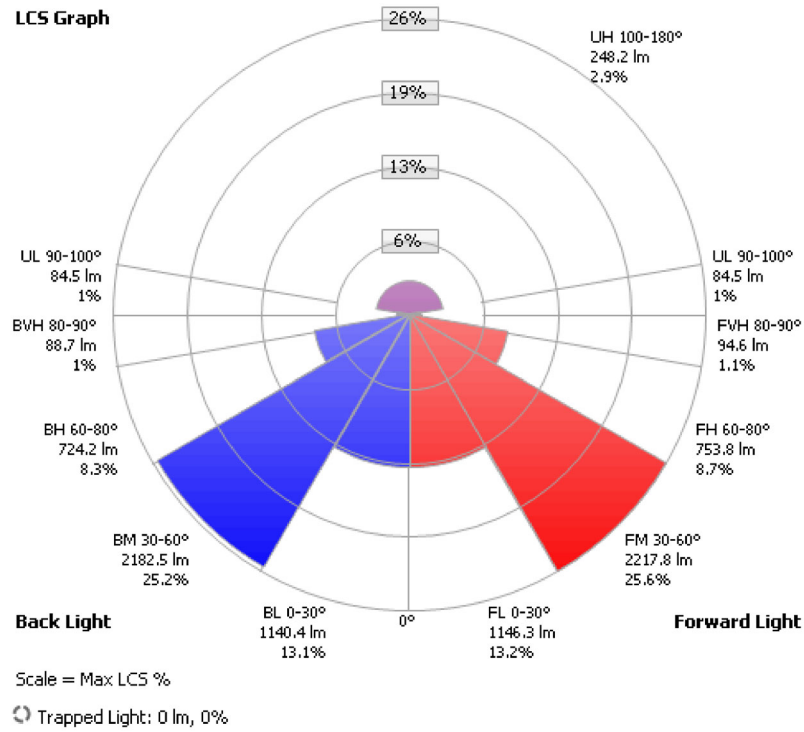
Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	125.0
Max Cd, 80 to <90 Deg:	350.0
	Lumens % Lamp
Downward Street Side:	4,212.5 48.5%
Downward House Side:	4,135.8 47.7%
Downward Total:	8,348.3 96.2%
Upward Street Side:	167.4 1.9%
Upward House Side:	165.3 1.9%
Upward Total:	332.7 3.8%
Total Lumens:	8,681.0 100%

LCS Table

BUG Rating	B3 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	1,146.3	13.2%
Medium(30-60):	2,217.8	25.6%
High(60-80):	753.8	8.7%
Very High(80-90):	94.6	1.1%
Back Light		
Low(0-30):	1,140.4	13.1%
Medium(30-60):	2,182.5	25.2%
High(60-80):	724.2	8.3%
Very High(80-90):	88.7	1%
Uplight		
Low(90-100):	84.5	1%
High(100-180):	248.2	2.9%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-8LM-ST-840-U10-SM-CA



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-8LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	2887	2887	2887	2887	2887	2887	2887	2887	2887
5	2885	2874	2948	2973	2948	2974	2943	2862	2874
10	2851	2887	2952	2928	2880	2924	2941	2869	2835
15	2788	2856	2840	2805	2774	2803	2833	2830	2769
20	2722	2763	2713	2705	2679	2700	2707	2731	2700
25	2626	2624	2599	2675	2705	2671	2577	2590	2600
30	2522	2455	2517	2666	2595	2658	2514	2415	2486
35	2393	2261	2495	2419	2382	2407	2475	2228	2338
40	2211	2098	2306	2196	2133	2181	2266	2064	2153
45	1973	1955	2046	1926	1937	1910	2004	1917	1900
50	1678	1775	1789	1825	1892	1810	1741	1721	1607
55	1374	1529	1506	1811	1793	1793	1484	1480	1307
60	1059	1276	1398	1422	1276	1394	1372	1224	1001
65	752	1001	1213	1029	948	1007	1173	956	705
70	483	761	873	684	592	661	833	718	446
75	270	549	576	392	330	380	542	504	245
80	132	350	344	232	217	226	321	312	116
85	52	193	200	154	142	150	190	171	42
90	22	109	125	100	89	98	120	100	20
95	24	82	95	77	70	76	92	77	22
100	28	69	84	71	65	71	81	65	25
105	32	73	80	70	65	70	78	70	30
110	38	74	74	67	65	67	70	70	35
115	40	69	73	62	61	62	70	64	35
120	38	60	68	61	61	61	66	56	32
125	35	51	59	60	60	60	57	47	29
130	31	41	50	57	58	57	48	39	24
135	26	35	44	51	54	51	43	33	22
140	26	31	41	47	49	47	41	31	0
145	0	0	39	44	46	44	39	31	0
150	0	0	38	43	44	43	38	0	0
155	0	0	38	41	42	41	38	0	0
160	0	0	0	41	42	41	38	0	0
165	0	0	0	0	42	41	0	0	0
170	0	0	0	0	42	41	0	0	0
175	0	0	0	0	42	41	0	0	0
180	0	0	0	0	41	41	0	0	0