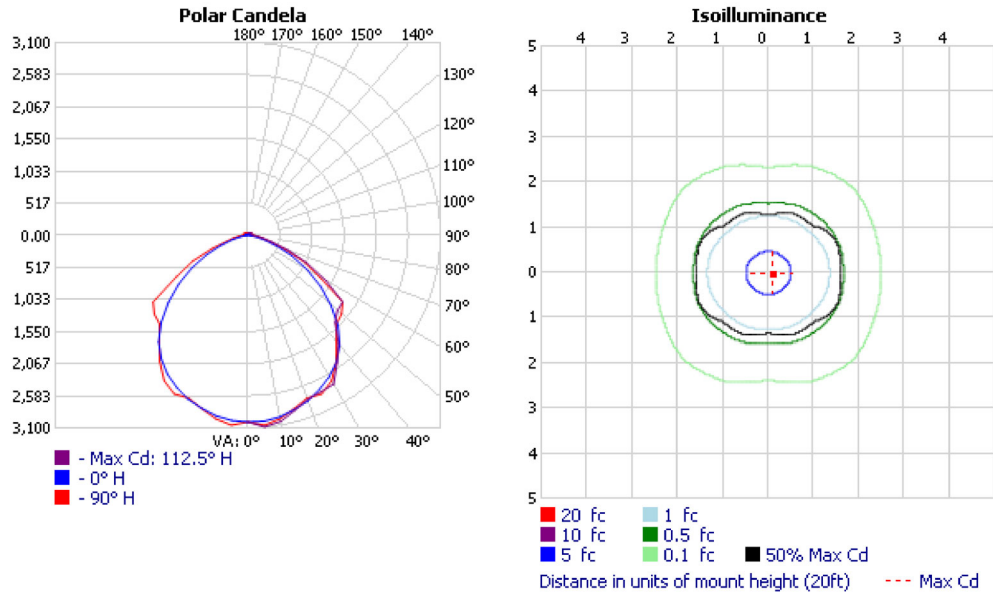


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-8LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-8-8lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 9024.8, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 1
Input Wattage: 56
Luminous Opening: Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd: 3,093.0 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-8-8LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,377.5	26.3%
0-40	3,919.8	43.4%
0-60	6,951.8	77%
60-90	1,726.9	19.1%
70-100	784.4	8.7%
90-120	225.4	2.5%
0-90	8,678.7	96.2%
90-180	346.1	3.8%
0-180	9,024.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	289.2	3.2%	90-100	87.9	1%
10-20	825.5	9.1%	100-110	73.2	0.8%
20-30	1,262.8	14.0%	110-120	64.2	0.7%
30-40	1,542.3	17.1%	120-130	49.6	0.5%
40-50	1,577.4	17.5%	130-140	34.0	0.4%
50-60	1,454.6	16.1%	140-150	20.4	0.2%
60-70	1,030.5	11.4%	150-160	11.6	0.1%
70-80	505.9	5.6%	160-170	4.0	0%
80-90	190.6	2.1%	170-180	1.0	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	130.0
Max Cd, 80 to <90 Deg:	364.0
	Lumens % Lamp
Downward Street Side:	4,381.0 48.5%
Downward House Side:	4,301.2 47.7%
Downward Total:	8,682.2 96.2%
Upward Street Side:	174.1 1.9%
Upward House Side:	171.9 1.9%
Upward Total:	346.0 3.8%
Total Lumens:	9,028.2 100%

LCS Table

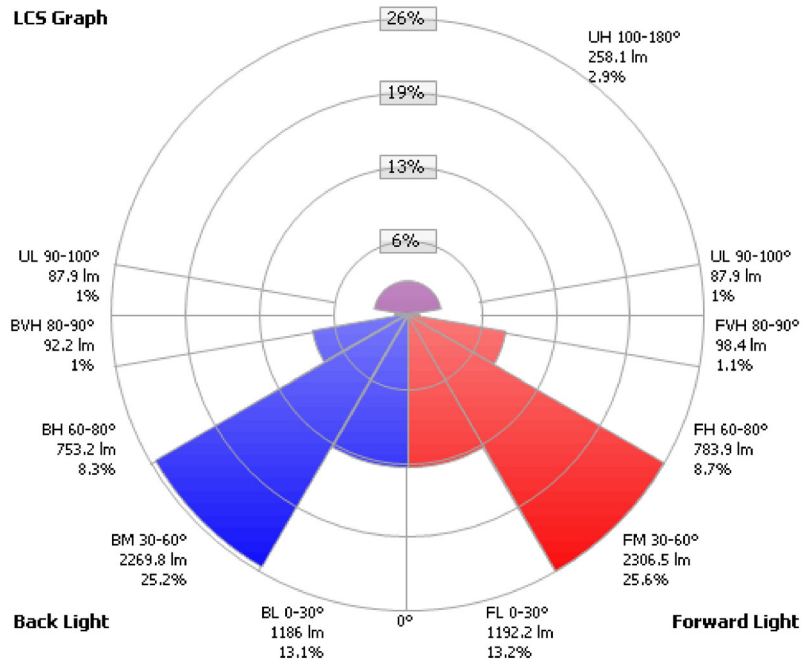
BUG Rating	B3 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	1,192.2	13.2%
Medium(30-60):	2,306.5	25.6%
High(60-80):	783.9	8.7%
Very High(80-90):	98.4	1.1%
Back Light		
Low(0-30):	1,186.0	13.1%
Medium(30-60):	2,269.8	25.2%
High(60-80):	753.2	8.3%
Very High(80-90):	92.2	1%
Uplight		
Low(90-100):	87.9	1%
High(100-180):	258.1	2.9%
Trapped Light:	0.000	0%



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



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

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



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	3002	3002	3002	3002	3002	3002	3002	3002	3002
5	3000	2989	3066	3092	3066	3093	3061	2976	2989
10	2965	3002	3070	3045	2995	3041	3059	2984	2948
15	2900	2970	2954	2917	2885	2915	2946	2943	2880
20	2831	2874	2822	2813	2786	2808	2815	2840	2808
25	2731	2729	2703	2782	2813	2778	2680	2694	2704
30	2623	2553	2618	2773	2699	2764	2615	2512	2585
35	2489	2351	2595	2516	2477	2503	2574	2317	2432
40	2299	2182	2398	2284	2218	2268	2357	2147	2239
45	2052	2033	2128	2003	2014	1986	2084	1994	1976
50	1745	1846	1861	1898	1968	1882	1811	1790	1671
55	1429	1590	1566	1883	1865	1865	1543	1539	1359
60	1101	1327	1454	1479	1327	1450	1427	1273	1041
65	782	1041	1262	1070	986	1047	1220	994	733
70	502	791	908	711	616	687	866	747	464
75	281	571	599	408	343	395	564	524	255
80	137	364	358	241	226	235	334	324	121
85	54	201	208	160	148	156	198	178	44
90	23	113	130	104	93	102	125	104	21
95	25	85	99	80	73	79	96	80	23
100	29	72	87	74	68	74	84	68	26
105	33	76	83	73	68	73	81	73	31
110	40	77	77	70	68	70	73	73	36
115	42	72	76	64	63	64	73	67	36
120	40	62	71	63	63	63	69	58	33
125	36	53	61	62	62	62	59	49	30
130	32	43	52	59	60	59	50	41	25
135	27	36	46	53	56	53	45	34	23
140	27	32	43	49	51	49	43	32	0
145	0	0	41	46	48	46	41	32	0
150	0	0	40	45	46	45	40	0	0
155	0	0	40	43	44	43	40	0	0
160	0	0	0	43	44	43	40	0	0
165	0	0	0	0	44	43	0	0	0
170	0	0	0	0	44	43	0	0	0
175	0	0	0	0	44	43	0	0	0
180	0	0	0	0	43	43	0	0	0

