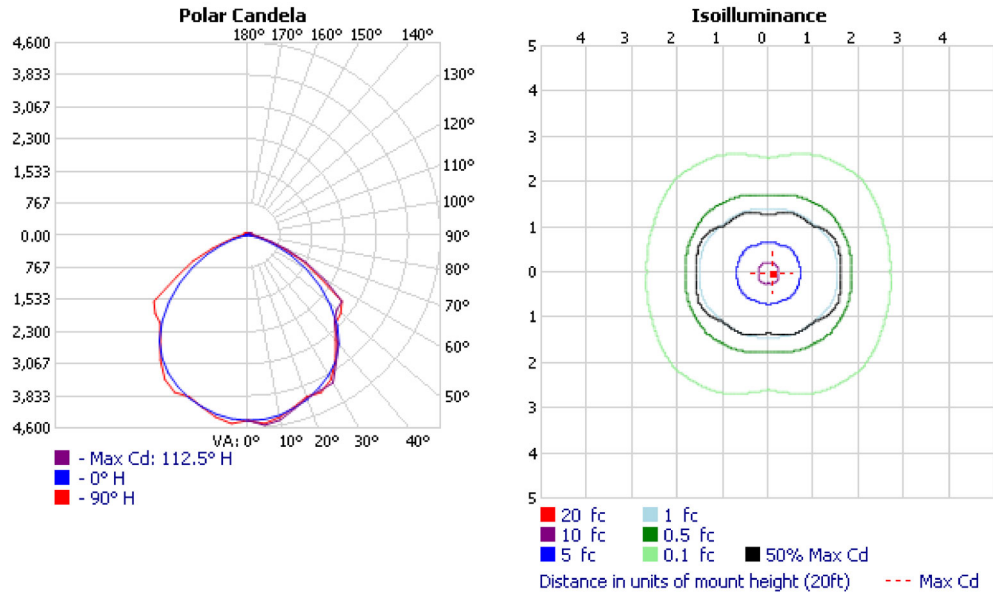


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-12LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-8-12lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 13276.9, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 1
Input Wattage: 84
Luminous Opening: Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd: 4,550.2 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-8-12LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3,497.6	26.3%
0-40	5,766.6	43.4%
0-60	10,227.1	77%
60-90	2,540.6	19.1%
70-100	1,153.9	8.7%
90-120	331.6	2.5%
0-90	12,767.7	96.2%
90-180	509.2	3.8%
0-180	13,276.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	425.5	3.2%	90-100	129.4	1%
10-20	1,214.4	9.1%	100-110	107.8	0.8%
20-30	1,857.8	14.0%	110-120	94.5	0.7%
30-40	2,269.0	17.1%	120-130	73.0	0.5%
40-50	2,320.6	17.5%	130-140	50.1	0.4%
50-60	2,139.9	16.1%	140-150	30.1	0.2%
60-70	1,516.0	11.4%	150-160	17.1	0.1%
70-80	744.2	5.6%	160-170	5.8	0%
80-90	280.3	2.1%	170-180	1.5	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	191.3
Max Cd, 80 to <90 Deg:	535.5
	Lumens % Lamp
Downward Street Side:	6,445.1 48.5%
Downward House Side:	6,327.8 47.7%
Downward Total:	12,772.9 96.2%
Upward Street Side:	256.2 1.9%
Upward House Side:	252.9 1.9%
Upward Total:	509.0 3.8%
Total Lumens:	13,281.9 100%

LCS Table

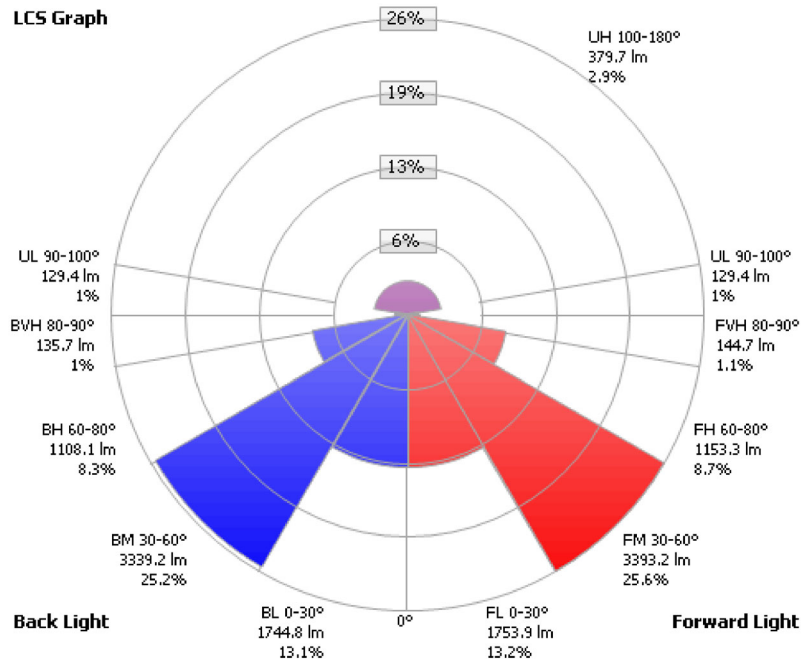
BUG Rating	B3 - U3 - G2
Forward Light	Lumens Lumens %
Low(0-30):	1,753.9 13.2%
Medium(30-60):	3,393.2 25.6%
High(60-80):	1,153.3 8.7%
Very High(80-90):	144.7 1.1%
Back Light	
Low(0-30):	1,744.8 13.1%
Medium(30-60):	3,339.2 25.2%
High(60-80):	1,108.1 8.3%
Very High(80-90):	135.7 1%
Uplight	
Low(90-100):	129.4 1%
High(100-180):	379.7 2.9%
Trapped Light:	0.000 0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-12LM-ST-840-U10-SM-CA



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-12LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	4417	4417	4417	4417	4417	4417	4417	4417	4417
5	4414	4397	4510	4549	4510	4550	4503	4379	4397
10	4362	4417	4517	4480	4406	4474	4500	4390	4338
15	4266	4370	4345	4292	4244	4289	4334	4330	4237
20	4165	4227	4151	4139	4099	4131	4142	4178	4131
25	4018	4015	3976	4093	4139	4087	3943	3963	3978
30	3859	3756	3851	4079	3970	4067	3846	3695	3804
35	3661	3459	3817	3701	3644	3683	3787	3409	3577
40	3383	3210	3528	3360	3263	3337	3467	3158	3294
45	3019	2991	3130	2947	2964	2922	3066	2933	2907
50	2567	2716	2737	2792	2895	2769	2664	2633	2459
55	2102	2339	2304	2771	2743	2743	2271	2264	2000
60	1620	1952	2139	2176	1952	2133	2099	1873	1532
65	1151	1532	1856	1574	1450	1541	1795	1463	1079
70	739	1164	1336	1047	906	1011	1274	1099	682
75	413	840	881	600	505	581	829	771	375
80	202	536	526	355	332	346	491	477	177
85	80	295	306	236	217	230	291	262	64
90	34	167	191	153	136	150	184	153	31
95	37	125	145	118	107	116	141	118	34
100	43	106	129	109	99	109	124	99	38
105	49	112	122	107	99	107	119	107	46
110	58	113	113	103	99	103	107	107	54
115	61	106	112	95	93	95	107	98	54
120	58	92	104	93	93	93	101	86	49
125	54	78	90	92	92	92	87	72	44
130	47	63	76	87	89	87	73	60	37
135	40	54	67	78	83	78	66	50	34
140	40	47	63	72	75	72	63	47	0
145	0	0	60	67	70	67	60	47	0
150	0	0	58	66	67	66	58	0	0
155	0	0	58	63	64	63	58	0	0
160	0	0	0	63	64	63	58	0	0
165	0	0	0	0	64	63	0	0	0
170	0	0	0	0	64	63	0	0	0
175	0	0	0	0	64	63	0	0	0
180	0	0	0	0	63	63	0	0	0

