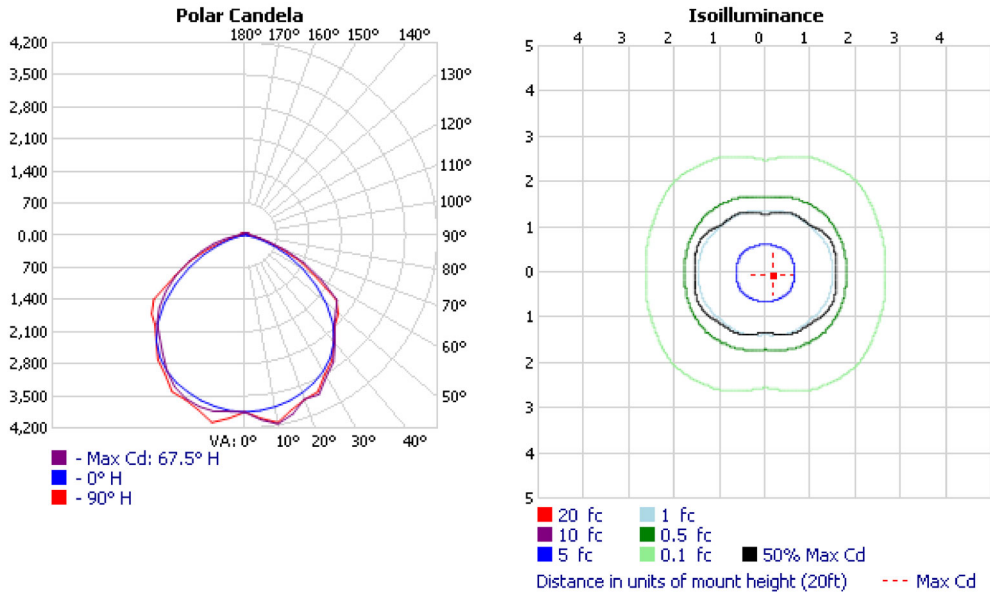


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-12LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510405
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-12lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 12131.6, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 1
Input Wattage: 83
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 4,173.0 at Horizontal: 67.5°, Vertical: 10°
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-4-12LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3,184.7	26.3%
0-40	5,245.3	43.2%
0-60	9,323.3	76.9%
60-90	2,317.4	19.1%
70-100	1,054.3	8.7%
90-120	300.3	2.5%
0-90	11,640.7	96%
90-180	490.9	4%
0-180	12,131.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	379.5	3.1%	90-100	117.6	1%
10-20	1,110.4	9.2%	100-110	97.2	0.8%
20-30	1,694.8	14.0%	110-120	85.5	0.7%
30-40	2,060.6	17.0%	120-130	66.0	0.5%
40-50	2,130.8	17.6%	130-140	45.7	0.4%
50-60	1,947.2	16.1%	140-150	33.2	0.3%
60-70	1,380.7	11.4%	150-160	24.6	0.2%
70-80	680.4	5.6%	160-170	15.7	0.1%
80-90	256.2	2.1%	170-180	5.4	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	173.8
Max Cd, 80 to <90 Deg:	472.3
	Lumens % Lamp
Downward Street Side:	5,855.8 48.3%
Downward House Side:	5,789.2 47.7%
Downward Total:	11,645.0 96%
Upward Street Side:	246.6 2%
Upward House Side:	244.2 2%
Upward Total:	490.8 4%
Total Lumens:	12,135.9 100%

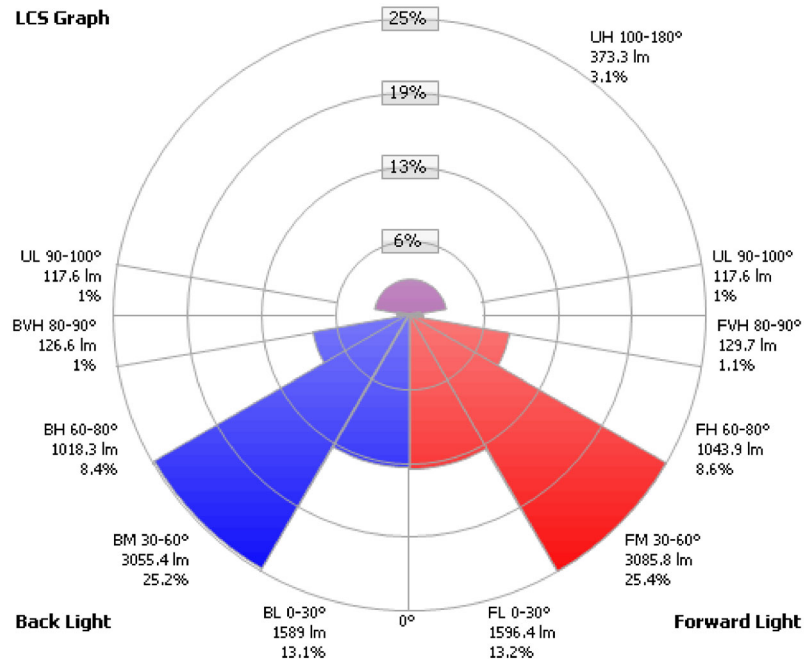
LCS Table

BUG Rating	B3 - U3 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	1,596.4	13.2%
Medium(30-60):	3,085.8	25.4%
High(60-80):	1,043.9	8.6%
Very High(80-90):	129.7	1.1%
Back Light		
Low(0-30):	1,589.0	13.1%
Medium(30-60):	3,055.4	25.2%
High(60-80):	1,018.3	8.4%
Very High(80-90):	126.6	1%
Uplight		
Low(90-100):	117.6	1%
High(100-180):	373.3	3.1%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-12LM-ST-840-U10-SM-CA



LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0 lm, 0%



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	3852	3852	3852	3852	3852	3852	3852	3852	3852
5	3833	3862	3990	4035	4003	4031	3990	3852	3835
10	3792	3904	4058	4173	4143	4166	4052	3895	3785
15	3736	3875	4092	4031	3937	4019	4070	3861	3725
20	3652	3812	3891	3800	3809	3788	3855	3784	3635
25	3551	3676	3639	3828	3762	3818	3608	3637	3542
30	3418	3445	3638	3556	3491	3547	3590	3406	3407
35	3250	3176	3465	3368	3314	3358	3449	3133	3239
40	3025	2939	3142	3051	3010	3038	3132	2898	3007
45	2715	2753	2831	2759	2775	2743	2810	2714	2686
50	2324	2492	2444	2591	2658	2569	2427	2441	2292
55	1895	2152	2143	2452	2429	2434	2097	2097	1844
60	1460	1786	1965	1926	1763	1904	1917	1736	1403
65	1048	1397	1654	1431	1335	1419	1630	1349	990
70	677	1052	1198	958	840	946	1171	1003	625
75	377	747	792	550	466	541	772	712	343
80	182	469	472	323	305	319	460	449	163
85	70	252	276	217	204	215	271	244	61
90	31	146	174	139	125	138	171	143	30
95	33	109	130	107	98	108	130	110	31
100	38	92	113	97	90	98	114	92	36
105	45	99	109	95	89	96	109	98	43
110	53	102	100	93	90	92	100	98	50
115	56	92	100	86	85	86	99	89	50
120	53	81	93	85	84	85	92	76	47
125	48	69	80	83	83	84	79	67	42
130	42	55	69	79	81	79	68	54	37
135	36	47	59	71	75	71	59	47	31
140	36	43	56	65	69	65	56	43	33
145	40	44	53	61	64	61	54	44	35
150	43	46	53	59	62	59	53	47	40
155	47	48	53	58	59	58	53	47	43
160	50	53	54	58	59	57	53	52	47
165	53	56	55	59	59	58	54	54	50
170	55	54	59	59	59	57	58	53	53
175	59	54	54	59	59	57	54	53	57
180	57	57	57	57	57	57	57	57	57