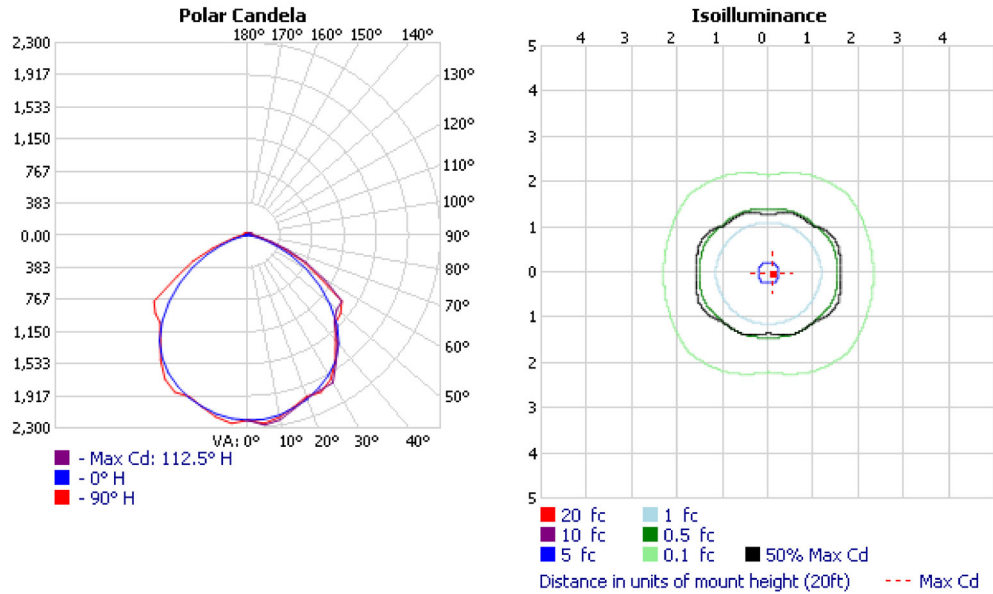


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-6LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510404
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-6lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 6629.8, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 1
Input Wattage: 42
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 2,272.1 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-4-6LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,746.5	26.3%
0-40	2,879.5	43.4%
0-60	5,106.9	77%
60-90	1,268.6	19.1%
70-100	576.2	8.7%
90-120	165.6	2.5%
0-90	6,375.5	96.2%
90-180	254.3	3.8%
0-180	6,629.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	212.4	3.2%	90-100	64.6	1%
10-20	606.4	9.1%	100-110	53.8	0.8%
20-30	927.7	14.0%	110-120	47.2	0.7%
30-40	1,133.0	17.1%	120-130	36.5	0.5%
40-50	1,158.8	17.5%	130-140	25.0	0.4%
50-60	1,068.5	16.1%	140-150	15.0	0.2%
60-70	757.0	11.4%	150-160	8.6	0.1%
70-80	371.6	5.6%	160-170	2.9	0%
80-90	140.0	2.1%	170-180	0.8	0%

Roadway Summary

Distribution:	Type VS	
Max Cd, 90 Deg Vert:	95.5	
Max Cd, 80 to <90 Deg:	267.4	
	Lumens	% Lamp
Downward Street Side:	3,218.3	48.5%
Downward House Side:	3,159.8	47.7%
Downward Total:	6,378.1	96.2%
Upward Street Side:	127.9	1.9%
Upward House Side:	126.3	1.9%
Upward Total:	254.2	3.8%
Total Lumens:	6,632.3	100%

LCS Table

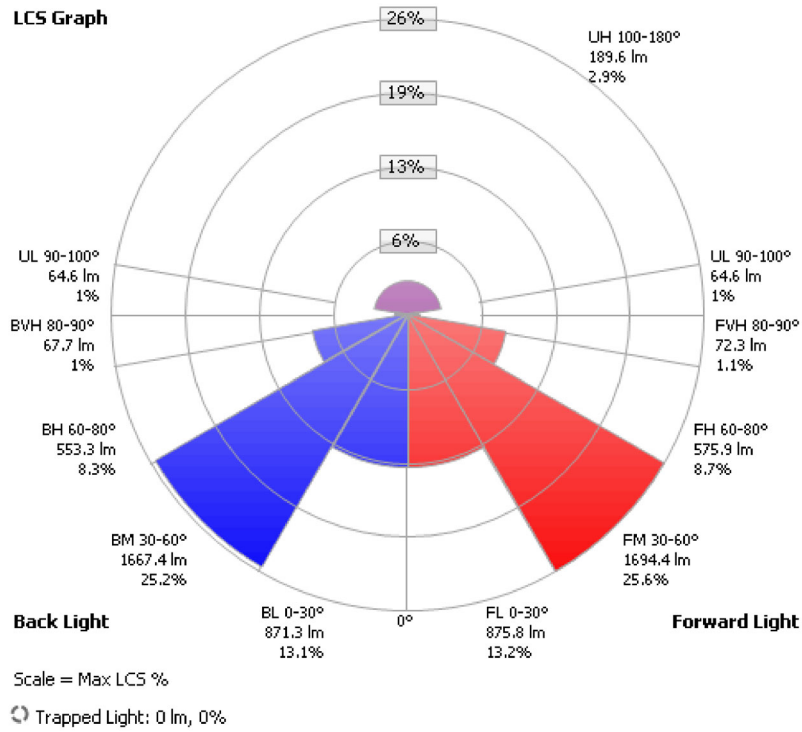
BUG Rating	B2 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	875.8	13.2%
Medium(30-60):	1,694.4	25.6%
High(60-80):	575.9	8.7%
Very High(80-90):	72.3	1.1%
Back Light		
Low(0-30):	871.3	13.1%
Medium(30-60):	1,667.4	25.2%
High(60-80):	553.3	8.3%
Very High(80-90):	67.7	1%
Uplight		
Low(90-100):	64.6	1%
High(100-180):	189.6	2.9%
Trapped Light:	0.000	0%



L042510404
 VISUAL PHOTOMETRIC TOOL

PAGE 2 OF 4

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-6LM-ST-840-U10-SM-CA





Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	2206	2206	2206	2206	2206	2206	2206	2206	2206
5	2204	2196	2252	2271	2252	2272	2248	2187	2196
10	2178	2206	2255	2237	2200	2234	2247	2192	2166
15	2130	2182	2170	2143	2119	2141	2164	2162	2116
20	2080	2111	2073	2067	2047	2063	2068	2086	2063
25	2006	2005	1986	2044	2067	2041	1969	1979	1986
30	1927	1876	1923	2037	1983	2031	1921	1845	1899
35	1828	1727	1906	1848	1820	1839	1891	1702	1786
40	1689	1603	1762	1678	1630	1666	1731	1577	1645
45	1507	1494	1563	1471	1480	1459	1531	1465	1452
50	1282	1356	1367	1394	1445	1383	1330	1315	1228
55	1050	1168	1151	1384	1370	1370	1134	1131	999
60	809	975	1068	1086	975	1065	1048	935	765
65	575	765	927	786	724	769	896	730	539
70	369	581	667	523	452	505	636	549	341
75	206	419	440	299	252	290	414	385	187
80	101	267	263	177	166	173	245	238	89
85	40	147	153	118	108	115	145	131	32
90	17	83	96	76	68	75	92	76	15
95	18	63	73	59	53	58	70	59	17
100	21	53	64	54	50	54	62	50	19
105	24	56	61	53	50	53	60	53	23
110	29	57	57	51	50	51	53	53	27
115	31	53	56	47	47	47	53	49	27
120	29	46	52	47	47	47	50	43	24
125	27	39	45	46	46	46	44	36	22
130	24	31	38	44	44	44	37	30	18
135	20	27	34	39	41	39	33	25	17
140	20	24	31	36	37	36	31	24	0
145	0	0	30	34	35	34	30	24	0
150	0	0	29	33	34	33	29	0	0
155	0	0	29	31	32	31	29	0	0
160	0	0	0	31	32	31	29	0	0
165	0	0	0	0	32	31	0	0	0
170	0	0	0	0	32	31	0	0	0
175	0	0	0	0	32	31	0	0	0
180	0	0	0	0	31	31	0	0	0