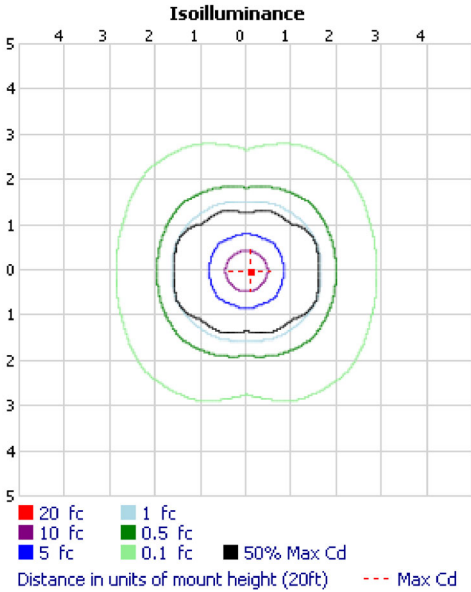
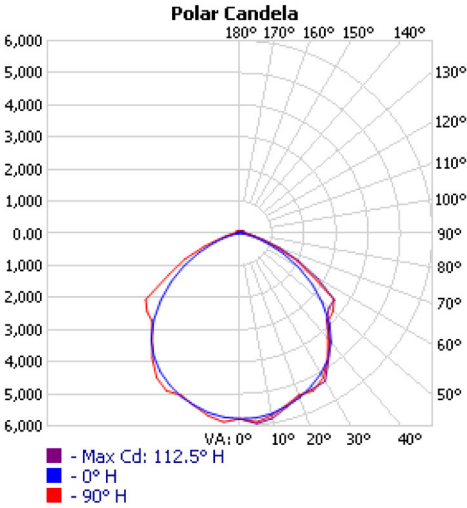


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-16LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-8-16lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 17355.4, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 2
Input Wattage: 110.38
Luminous Opening: Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd: 5,948.0 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-8-16LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	4,572.0	26.3%
0-40	7,538.0	43.4%
0-60	13,368.8	77%
60-90	3,321.0	19.1%
70-100	1,508.4	8.7%
90-120	433.4	2.5%
0-90	16,689.8	96.2%
90-180	665.6	3.8%
0-180	17,355.4	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	556.1	3.2%	90-100	169.1	1%
10-20	1,587.4	9.1%	100-110	140.9	0.8%
20-30	2,428.5	14.0%	110-120	123.5	0.7%
30-40	2,966.0	17.1%	120-130	95.4	0.5%
40-50	3,033.5	17.5%	130-140	65.5	0.4%
50-60	2,797.2	16.1%	140-150	39.3	0.2%
60-70	1,981.7	11.4%	150-160	22.4	0.1%
70-80	972.8	5.6%	160-170	7.6	0%
80-90	366.5	2.1%	170-180	2.0	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	250.0
Max Cd, 80 to <90 Deg:	700.0
	Lumens % Lamp
Downward Street Side:	8,425.0 48.5%
Downward House Side:	8,271.6 47.7%
Downward Total:	16,696.6 96.2%
Upward Street Side:	334.8 1.9%
Upward House Side:	330.6 1.9%
Upward Total:	665.4 3.8%
Total Lumens:	17,362.0 100%

LCS Table

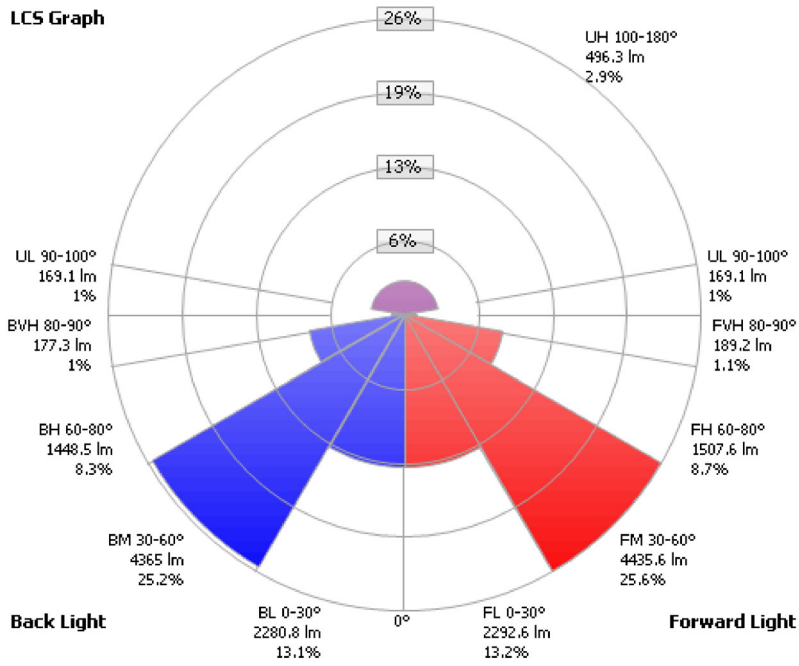
BUG Rating	B3 - U3 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	2,292.6	13.2%
Medium(30-60):	4,435.6	25.6%
High(60-80):	1,507.6	8.7%
Very High(80-90):	189.2	1.1%
Back Light		
Low(0-30):	2,280.8	13.1%
Medium(30-60):	4,365.0	25.2%
High(60-80):	1,448.5	8.3%
Very High(80-90):	177.3	1%
Uplight		
Low(90-100):	169.1	1%
High(100-180):	496.3	2.9%
Trapped Light:	0.000	0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-16LM-ST-840-U10-SM-CA



LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: DATA-8-16LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	5774	5774	5774	5774	5774	5774	5774	5774	5774
5	5770	5748	5896	5946	5896	5948	5886	5724	5748
10	5702	5774	5904	5856	5760	5848	5882	5738	5670
15	5576	5712	5680	5610	5548	5606	5666	5660	5538
20	5444	5526	5426	5410	5358	5400	5414	5462	5400
25	5252	5248	5198	5350	5410	5342	5154	5180	5200
30	5044	4910	5034	5332	5190	5316	5028	4830	4972
35	4786	4522	4990	4838	4764	4814	4950	4456	4676
40	4422	4196	4612	4392	4266	4362	4532	4128	4306
45	3946	3910	4092	3852	3874	3820	4008	3834	3800
50	3356	3550	3578	3650	3784	3620	3482	3442	3214
55	2748	3058	3012	3622	3586	3586	2968	2960	2614
60	2118	2552	2796	2844	2552	2788	2744	2448	2002
65	1504	2002	2426	2058	1896	2014	2346	1912	1410
70	966	1522	1746	1368	1184	1322	1666	1436	892
75	540	1098	1152	784	660	760	1084	1008	490
80	264	700	688	464	434	452	642	624	232
85	104	386	400	308	284	300	380	342	84
90	44	218	250	200	178	196	240	200	40
95	48	164	190	154	140	152	184	154	44
100	56	138	168	142	130	142	162	130	50
105	64	146	160	140	130	140	156	140	60
110	76	148	148	134	130	134	140	140	70
115	80	138	146	124	122	124	140	128	70
120	76	120	136	122	122	122	132	112	64
125	70	102	118	120	120	120	114	94	58
130	62	82	100	114	116	114	96	78	48
135	52	70	88	102	108	102	86	66	44
140	52	62	82	94	98	94	82	62	0
145	0	0	78	88	92	88	78	62	0
150	0	0	76	86	88	86	76	0	0
155	0	0	76	82	84	82	76	0	0
160	0	0	0	82	84	82	76	0	0
165	0	0	0	0	84	82	0	0	0
170	0	0	0	0	84	82	0	0	0
175	0	0	0	0	84	82	0	0	0
180	0	0	0	0	82	82	0	0	0

