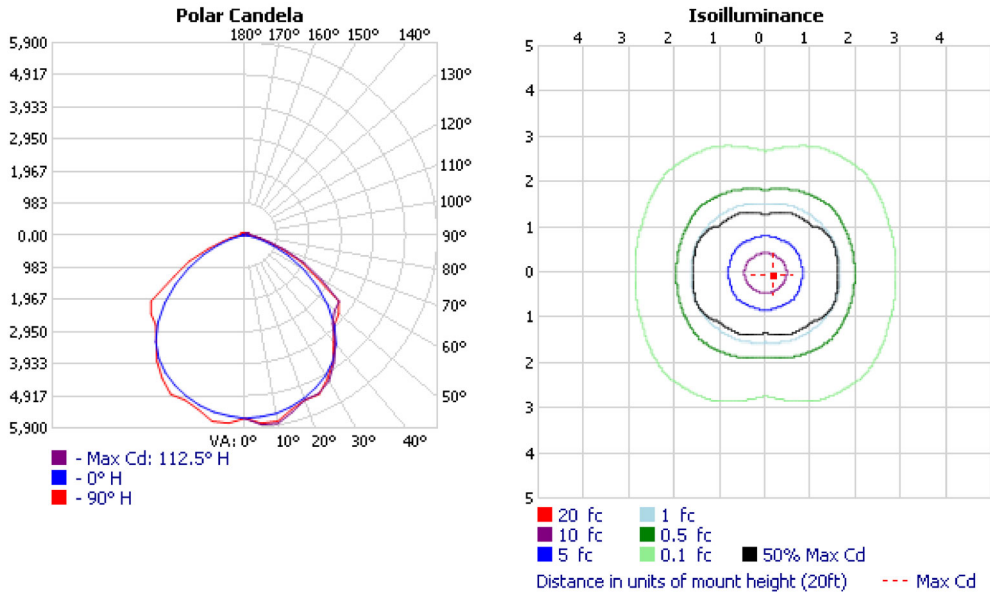


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-16LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: L042510406
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-4-16lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 17184.1, absolute photometry *
Ballast / Driver: XI085C240V054BST1 / 2
Input Wattage: 119.83
Luminous Opening: Rectangle w/Luminous Sides (L: 44.76", W: 2.52", H: 0.96")
Max Cd: 5,849.0 at Horizontal: 112.5°, 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-4-16LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	4,521.4	26.3%
0-40	7,448.9	43.3%
0-60	13,211.6	76.9%
60-90	3,301.9	19.2%
70-100	1,515.8	8.8%
90-120	442.1	2.6%
0-90	16,513.5	96.1%
90-180	670.6	3.9%
0-180	17,184.1	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	545.2	3.2%	90-100	172.2	1%
10-20	1,572.1	9.1%	100-110	143.8	0.8%
20-30	2,404.1	14.0%	110-120	126.2	0.7%
30-40	2,927.4	17.0%	120-130	97.1	0.6%
40-50	3,001.2	17.5%	130-140	65.9	0.4%
50-60	2,761.5	16.1%	140-150	37.1	0.2%
60-70	1,958.3	11.4%	150-160	23.8	0.1%
70-80	972.8	5.7%	160-170	4.5	0%
80-90	370.8	2.2%	170-180	0.000	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	253.0
Max Cd, 80 to <90 Deg:	688.0
	Lumens % Lamp
Downward Street Side:	8,318.1 48.4%
Downward House Side:	8,201.9 47.7%
Downward Total:	16,520.0 96.1%
Upward Street Side:	339.5 2%
Upward House Side:	330.8 1.9%
Upward Total:	670.3 3.9%
Total Lumens:	17,190.3 100%

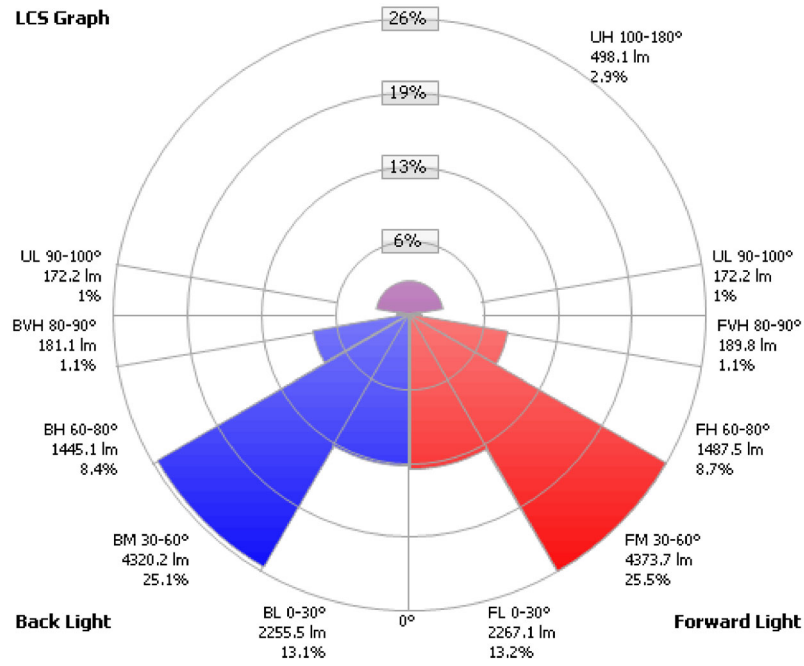
LCS Table

BUG Rating	B3 - U3 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	2,267.1	13.2%
Medium(30-60):	4,373.7	25.5%
High(60-80):	1,487.5	8.7%
Very High(80-90):	189.8	1.1%
Back Light		
Low(0-30):	2,255.5	13.1%
Medium(30-60):	4,320.2	25.1%
High(60-80):	1,445.1	8.4%
Very High(80-90):	181.1	1.1%
Uplight		
Low(90-100):	172.2	1%
High(100-180):	498.1	2.9%
Trapped Light:	0.000	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-4-16LM-ST-840-U10-SM-CA



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: DATA-4-16LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	5604	5604	5604	5604	5604	5604	5604	5604	5604
5	5576	5607	5772	5821	5771	5818	5753	5578	5550
10	5539	5647	5808	5848	5781	5849	5779	5606	5496
15	5434	5606	5687	5602	5519	5604	5683	5539	5385
20	5308	5451	5402	5374	5368	5364	5402	5386	5244
25	5143	5205	5149	5345	5372	5348	5114	5140	5071
30	4953	4857	5026	5194	5069	5150	5043	4795	4868
35	4698	4475	4925	4780	4704	4758	4894	4425	4604
40	4345	4159	4516	4329	4231	4301	4438	4112	4251
45	3876	3867	4030	3813	3872	3799	3956	3830	3778
50	3315	3500	3501	3604	3752	3587	3428	3423	3206
55	2705	3014	2986	3561	3513	3525	2956	2951	2595
60	2083	2505	2768	2773	2507	2718	2737	2432	1989
65	1477	1958	2382	2039	1894	2012	2309	1900	1405
70	947	1477	1719	1353	1192	1332	1651	1425	896
75	531	1073	1141	798	683	782	1092	1007	495
80	260	677	688	480	452	471	657	624	234
85	103	373	405	317	293	310	389	344	86
90	47	214	253	204	184	200	245	201	40
95	50	161	191	160	147	159	188	154	44
100	57	138	171	147	137	147	166	129	51
105	66	145	163	144	136	144	159	138	61
110	76	148	152	140	136	139	145	140	73
115	77	138	148	129	128	128	144	128	74
120	72	121	138	126	125	126	133	112	69
125	65	104	119	124	124	123	115	95	64
130	57	83	102	116	119	115	98	78	54
135	46	71	90	105	110	104	88	67	48
140	0	63	84	95	100	95	83	62	0
145	0	0	80	91	94	91	80	0	0
150	0	0	78	87	91	88	78	0	0
155	0	0	77	83	86	84	78	0	0
160	0	0	77	83	84	83	78	0	0
165	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0