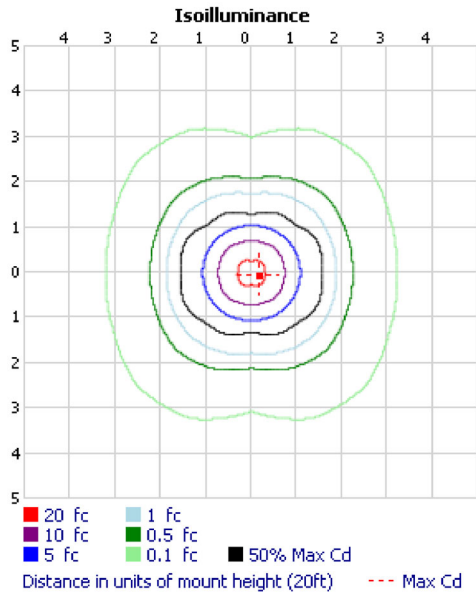
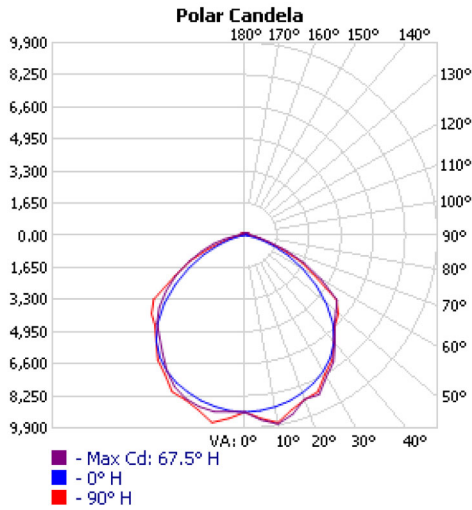


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-28LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-8-28lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 28612.3, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 4
Input Wattage: 192.54
Luminous Opening: Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd: 9,842.0 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-8-28LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	7,511.2	26.3%
0-40	12,371.0	43.2%
0-60	21,988.9	76.9%
60-90	5,465.6	19.1%
70-100	2,486.4	8.7%
90-120	708.2	2.5%
0-90	27,454.5	96%
90-180	1,157.8	4%
0-180	28,612.3	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	895.0	3.1%	90-100	277.3	1%
10-20	2,619.0	9.2%	100-110	229.3	0.8%
20-30	3,997.3	14.0%	110-120	201.6	0.7%
30-40	4,859.8	17.0%	120-130	155.7	0.5%
40-50	5,025.5	17.6%	130-140	107.8	0.4%
50-60	4,592.4	16.1%	140-150	78.4	0.3%
60-70	3,256.4	11.4%	150-160	57.9	0.2%
70-80	1,604.8	5.6%	160-170	37.1	0.1%
80-90	604.3	2.1%	170-180	12.7	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	410.0
Max Cd, 80 to <90 Deg:	1,114.0
	Lumens % Lamp
Downward Street Side:	13,810.8 48.3%
Downward House Side:	13,653.9 47.7%
Downward Total:	27,464.7 96%
Upward Street Side:	581.7 2%
Upward House Side:	575.9 2%
Upward Total:	1,157.6 4%
Total Lumens:	28,622.4 100%

LCS Table

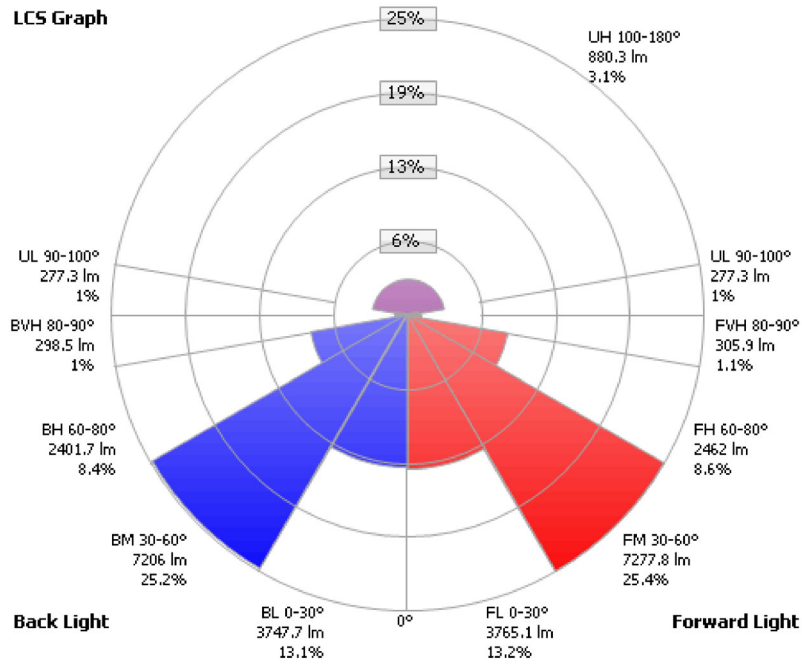
BUG Rating	B4 - U4 - G3	
Forward Light	Lumens	Lumens %
Low(0-30):	3,765.1	13.2%
Medium(30-60):	7,277.8	25.4%
High(60-80):	2,462.0	8.6%
Very High(80-90):	305.9	1.1%
Back Light		
Low(0-30):	3,747.7	13.1%
Medium(30-60):	7,206.0	25.2%
High(60-80):	2,401.7	8.4%
Very High(80-90):	298.5	1%
Uplight		
Low(90-100):	277.3	1%
High(100-180):	880.3	3.1%
Trapped Light:	0.000	0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-28LM-ST-840-U10-SM-CA



LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: DATA-8-28LM-ST-840-U10-SM-CA



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	9086	9086	9086	9086	9086	9086	9086	9086	9086
5	9040	9108	9410	9516	9440	9508	9410	9086	9044
10	8944	9208	9570	9842	9772	9826	9556	9186	8928
15	8812	9138	9652	9508	9286	9478	9600	9106	8786
20	8614	8990	9176	8962	8984	8934	9092	8924	8572
25	8374	8670	8582	9028	8872	9004	8510	8578	8354
30	8062	8126	8580	8386	8234	8366	8468	8032	8036
35	7664	7490	8172	7944	7816	7920	8134	7388	7640
40	7134	6932	7410	7196	7100	7164	7386	6836	7092
45	6404	6494	6678	6506	6544	6470	6628	6400	6336
50	5482	5878	5764	6112	6268	6058	5724	5756	5406
55	4470	5076	5054	5782	5728	5740	4946	4946	4350
60	3444	4212	4634	4542	4158	4490	4522	4094	3310
65	2472	3294	3900	3374	3148	3346	3844	3182	2336
70	1596	2480	2826	2260	1980	2232	2762	2366	1474
75	888	1762	1868	1296	1098	1276	1820	1680	808
80	430	1106	1114	762	720	752	1086	1058	384
85	166	594	652	512	480	506	640	576	144
90	72	344	410	328	294	326	404	338	70
95	78	258	306	252	230	254	306	260	74
100	90	218	266	228	212	230	270	218	86
105	106	234	256	224	210	226	258	232	102
110	126	240	236	220	212	218	236	232	118
115	132	218	236	202	200	202	234	210	118
120	124	190	220	200	198	200	218	180	112
125	114	162	188	196	196	198	186	158	100
130	98	130	162	186	190	186	160	128	88
135	84	112	140	168	176	168	140	110	74
140	86	102	132	154	162	154	132	102	78
145	94	104	126	144	150	144	128	104	82
150	102	108	126	140	146	140	126	110	94
155	110	114	126	136	140	136	126	112	102
160	118	124	128	136	138	134	126	122	110
165	124	132	130	138	138	136	128	128	118
170	130	128	140	138	140	134	136	126	126
175	138	128	128	138	140	134	128	126	134
180	134	134	134	134	134	134	134	134	134



N/A
VISUAL PHOTOMETRIC TOOL

PAGE 4 OF 4