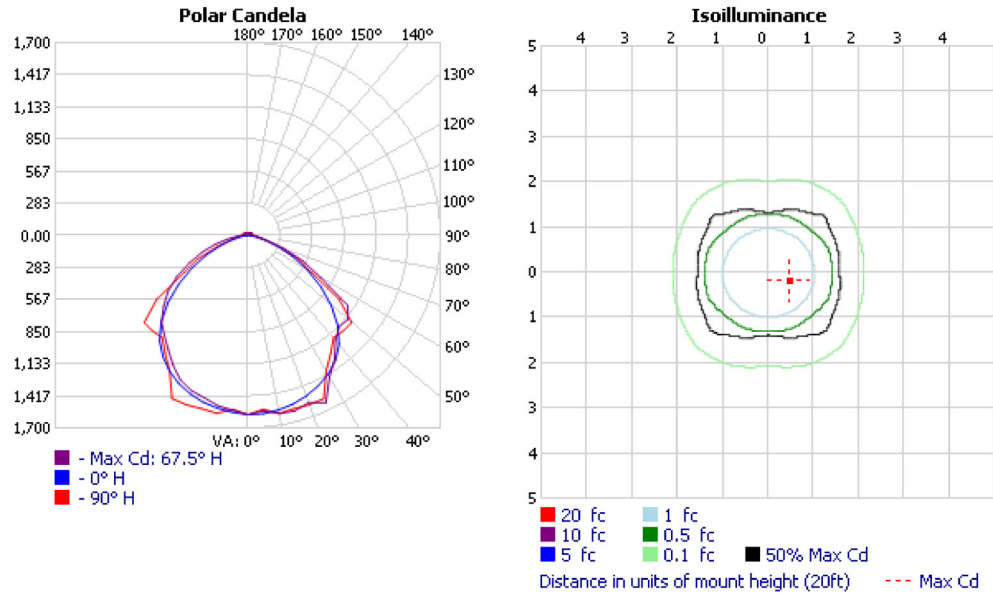


OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-4LM-ST-840-U10-SM-CA



Manufacturer: LUX Dynamics
Test #: n/a
Test Lab: LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog: DATA-8-4lm-ST-840-U10-SM-CA
Description: LED luminaire
Lamp Output: Total luminaire Lumens: 4863.4, absolute photometry *
Ballast / Driver: XI050C150V054BST5 / 1
Input Wattage: 30.06
Luminous Opening: Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd: 1,630.0 at Horizontal: 67.5°, Vertical: 25°
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-8-4LM-ST-840-U10-SM-CA



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,277.6	26.3%
0-40	2,102.2	43.2%
0-60	3,780.2	77.7%
60-90	896.4	18.4%
70-100	396.4	8.2%
90-120	123.2	2.5%
0-90	4,676.6	96.2%
90-180	186.7	3.8%
0-180	4,863.4	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	149.1	3.1%	90-100	47.1	1%
10-20	439.2	9.0%	100-110	40.7	0.8%
20-30	689.3	14.2%	110-120	35.3	0.7%
30-40	824.5	17.0%	120-130	26.3	0.5%
40-50	869.5	17.9%	130-140	17.4	0.4%
50-60	808.5	16.6%	140-150	12.3	0.3%
60-70	547.1	11.3%	150-160	6.6	0.1%
70-80	255.5	5.3%	160-170	1.0	0%
80-90	93.8	1.9%	170-180	0.000	0%

Roadway Summary

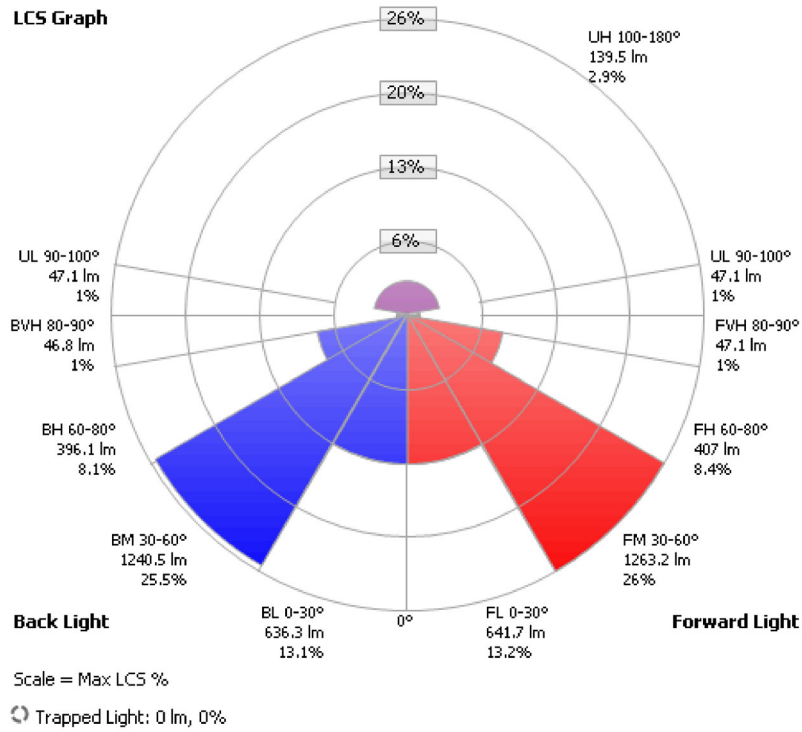
Distribution:	Type VS
Max Cd, 90 Deg Vert:	64.0
Max Cd, 80 to <90 Deg:	186.0
	Lumens % Lamp
Downward Street Side:	2,358.9 48.5%
Downward House Side:	2,319.6 47.7%
Downward Total:	4,678.5 96.2%
Upward Street Side:	92.4 1.9%
Upward House Side:	94.3 1.9%
Upward Total:	186.7 3.8%
Total Lumens:	4,865.1 100%

LCS Table

BUG Rating	B2 - U3 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	641.7	13.2%
Medium(30-60):	1,263.2	26%
High(60-80):	407.0	8.4%
Very High(80-90):	47.1	1%
Back Light		
Low(0-30):	636.3	13.1%
Medium(30-60):	1,240.5	25.5%
High(60-80):	396.1	8.1%
Very High(80-90):	46.8	1%
Uplight		
Low(90-100):	47.1	1%
High(100-180):	139.5	2.9%
Trapped Light:	0.000	0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: DATA-8-4LM-ST-840-U10-SM-CA





Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	1582	1582	1582	1582	1582	1582	1582	1582	1582
5	1580	1558	1568	1554	1540	1562	1562	1548	1566
10	1564	1538	1552	1596	1594	1604	1540	1526	1548
15	1540	1498	1582	1604	1582	1608	1562	1484	1524
20	1508	1468	1552	1570	1590	1572	1528	1458	1488
25	1466	1426	1500	1630	1588	1626	1468	1408	1444
30	1416	1340	1536	1442	1382	1428	1494	1322	1384
35	1348	1244	1442	1334	1274	1318	1418	1228	1308
40	1252	1158	1282	1204	1178	1184	1258	1148	1214
45	1122	1092	1146	1140	1192	1128	1124	1080	1084
50	962	1002	988	1154	1196	1136	968	972	922
55	784	870	902	1076	984	1046	876	862	744
60	604	740	852	742	646	714	832	724	568
65	434	584	666	542	490	526	650	568	404
70	282	440	454	342	288	330	448	428	256
75	158	306	282	186	154	182	278	300	142
80	78	186	164	110	100	108	162	184	68
85	32	96	94	76	70	74	94	100	24
90	16	54	62	52	46	52	64	60	12
95	16	42	50	44	40	44	52	48	12
100	18	40	46	40	38	42	48	40	14
105	20	42	44	40	38	40	46	42	16
110	24	42	40	38	38	38	44	40	20
115	26	38	38	36	34	36	44	36	20
120	24	32	36	36	34	36	40	32	16
125	22	26	30	34	34	34	32	26	16
130	18	18	24	30	32	32	26	22	14
135	16	16	22	26	28	28	24	18	12
140	16	16	20	24	26	24	22	18	12
145	16	18	20	22	24	22	20	18	14
150	0	18	20	22	22	22	20	18	0
155	0	0	20	22	22	22	22	0	0
160	0	0	0	22	22	22	22	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

