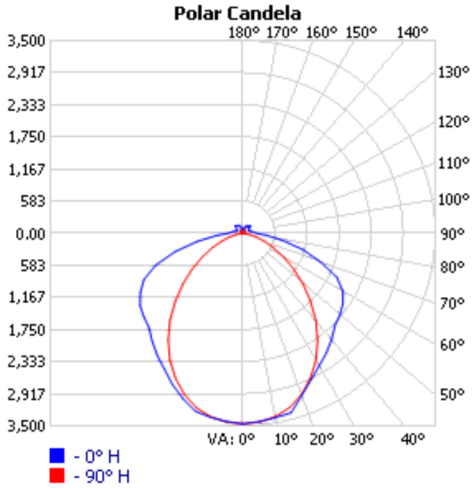
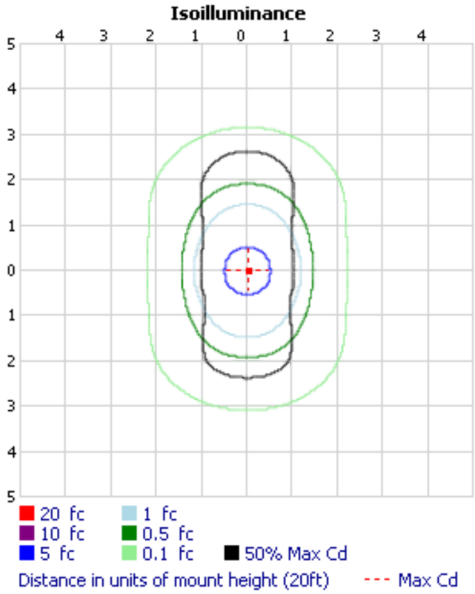
OUTDOOR PHOTOMETRIC REPORT
CATALOG: L-2-10LM-SA-850-1-U1-CP

Manufacturer:	LUX Dynamics
Test #:	L012512501
Test Lab:	LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog:	L-2-10lm-SA-850-1-U1-CP
Description:	LED Luminaire
Lamp Output:	Total luminaire Lumens: 10424.6, absolute photometry *
Ballast / Driver:	OTi 50/120-277/1A4 DIM-1 L G2 / (2)
Input Wattage:	75.7
Luminous Opening:	Rectangle (L: 11.52", W: 12")
Max Cd:	3,459.0 at Horizontal: 0°, Vertical: 0°
Roadway Class:	VERY SHORT, TYPE III

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.
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Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	2,614.3	25.1%
0-40	4,199.9	40.3%
0-60	7,323.5	70.3%
60-90	2,419.9	23.2%
70-100	1,271.3	12.2%
90-120	317.9	3%
0-90	9,743.4	93.5%
90-180	681.2	6.5%
0-180	10,424.6	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	324.9	3.1%	90-100	121.7	1.2%
10-20	926.6	8.9%	100-110	101.9	1%
20-30	1,362.7	13.1%	110-120	94.2	0.9%
30-40	1,585.6	15.2%	120-130	103.6	1%
40-50	1,613.7	15.5%	130-140	100.8	1%
50-60	1,509.9	14.5%	140-150	75.2	0.7%
60-70	1,270.3	12.2%	150-160	50.8	0.5%
70-80	820.0	7.9%	160-170	26.1	0.3%
80-90	329.6	3.2%	170-180	6.8	0.1%

Roadway Summary

Distribution:	TYPE III, VERY SHORT	
Max Cd, 90 Deg Vert:		274.0
Max Cd, 80 to <90 Deg:		843.0
	Lumens	% Lamp
Downward Street Side:	4,813.8	46.2%
Downward House Side:	4,933.6	47.3%
Downward Total:	9,747.5	93.5%
Upward Street Side:	335.2	3.2%
Upward House Side:	345.9	3.3%
Upward Total:	681.1	6.5%
Total Lumens:	10,428.5	100%

LCS Table

BUG Rating	**B3 - U4 - G3**	
Forward Light	Lumens	Lumens %
Low(0-30):	1,305.6	12.5%
Medium(30-60):	2,336.8	22.4%
High(60-80):	1,016.6	9.8%
Very High(80-90):	154.7	1.5%
Back Light		
Low(0-30):	1,310.1	12.6%
Medium(30-60):	2,374.4	22.8%
High(60-80):	1,074.3	10.3%
Very High(80-90):	174.9	1.7%
Uplight		
Low(90-100):	121.7	1.2%
High(100-180):	559.4	5.4%
Trapped Light:	0.000	0%

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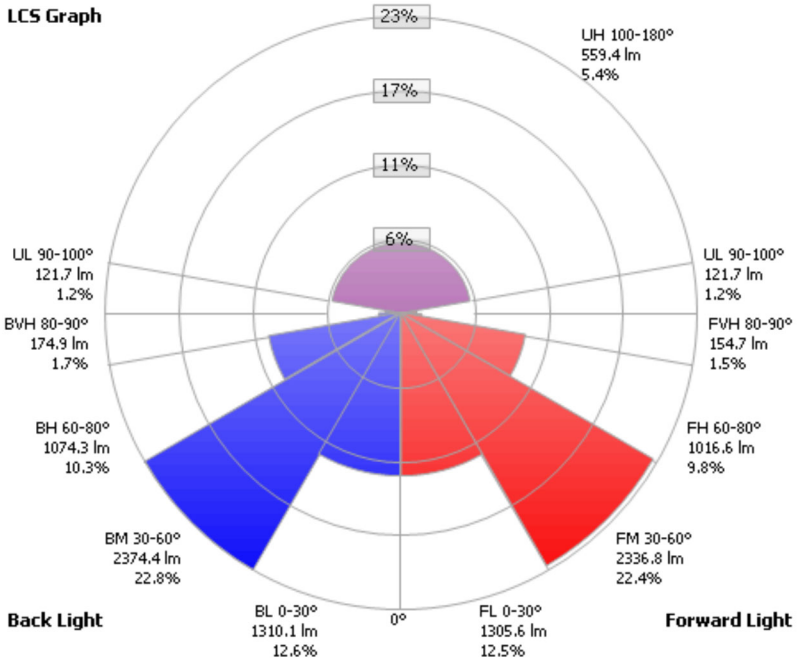
LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%

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Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459	3459
5	3434	3436	3430	3438	3421	3412	3421	3430	3437	3443	3433	3426	3417	3406	3410	3433	3429	3432	3432
10	3397	3393	3380	3379	3355	3341	3351	3370	3373	3382	3369	3359	3345	3341	3354	3382	3385	3391	3393
15	3375	3374	3368	3365	3314	3260	3248	3258	3267	3279	3265	3249	3253	3256	3286	3326	3336	3342	3344
20	3131	3143	3163	3207	3218	3196	3138	3104	3108	3115	3104	3102	3122	3155	3185	3209	3200	3196	3195
25	2933	2937	2934	2941	2960	3015	3003	2914	2900	2904	2894	2910	2963	2999	2999	3013	3018	3024	3031
30	2778	2776	2766	2755	2711	2716	2794	2730	2660	2656	2656	2698	2767	2765	2783	2826	2834	2846	2854
35	2648	2647	2621	2577	2499	2440	2488	2499	2383	2370	2382	2463	2514	2514	2559	2627	2670	2700	2713
40	2512	2503	2482	2418	2302	2200	2162	2224	2091	2063	2080	2190	2225	2262	2345	2462	2529	2563	2566
45	2368	2358	2318	2243	2123	1972	1875	1883	1786	1739	1780	1885	1936	2017	2158	2291	2365	2407	2417
50	2304	2284	2218	2095	1932	1765	1620	1530	1479	1424	1469	1564	1656	1794	1955	2127	2256	2333	2355
55	2222	2198	2113	1973	1766	1549	1367	1218	1176	1127	1165	1249	1393	1587	1793	2017	2167	2256	2285
60	2097	2075	1988	1829	1617	1366	1132	949	887	850	885	971	1154	1383	1651	1872	2050	2143	2154
65	1885	1877	1814	1657	1439	1181	907	712	630	610	637	728	931	1199	1481	1706	1875	1965	1987
70	1490	1487	1455	1376	1222	974	709	516	423	409	429	519	734	1010	1273	1474	1608	1679	1688
75	1121	1122	1100	1030	900	729	518	342	262	250	268	354	535	780	992	1108	1208	1267	1277
80	723	726	718	691	617	473	318	205	143	131	147	217	346	512	685	789	830	843	841
85	443	436	419	389	329	243	157	96	61	49	61	100	179	288	393	458	485	495	498
90	250	248	238	207	157	95	44	24	17	13	17	23	42	94	166	220	258	271	274
95	205	209	197	164	116	59	31	22	17	15	18	22	32	61	119	173	208	217	213
100	178	179	170	149	119	81	53	35	26	20	26	35	53	83	125	157	178	185	185
105	145	145	144	135	115	88	64	46	34	24	34	45	64	88	119	138	147	147	146
110	123	123	123	120	109	91	75	58	40	28	40	59	76	92	111	122	124	124	124
115	116	115	115	115	112	106	96	63	43	32	45	65	101	105	112	114	114	115	115
120	115	115	117	121	129	135	95	70	47	37	50	72	110	139	128	119	116	113	113
125	126	129	136	147	164	144	109	76	51	42	51	73	102	155	169	149	132	125	122
130	163	168	179	185	163	135	104	76	56	48	56	75	107	121	181	194	184	171	167
135	197	194	191	145	152	120	101	72	58	54	59	73	108	141	132	191	200	202	200
140	136	136	156	167	128	137	99	74	58	61	60	73	102	122	159	141	157	182	186
145	172	167	148	139	150	109	94	72	55	66	54	74	100	138	133	151	176	172	165
150	167	170	164	136	120	117	94	70	60	71	57	71	93	110	146	149	144	150	152
155	127	129	130	126	126	107	87	70	71	74	67	72	92	106	125	119	157	164	166
160	137	138	135	125	111	95	78	68	75	77	72	68	81	102	110	122	134	133	130
165	112	112	108	101	90	80	70	71	76	78	73	68	74	85	97	109	113	115	117
170	79	81	80	78	72	69	70	73	75	76	74	71	69	71	76	83	84	87	90
175	66	66	66	67	68	69	69	68	70	70	70	68	68	68	67	66	66	66	66
180	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71