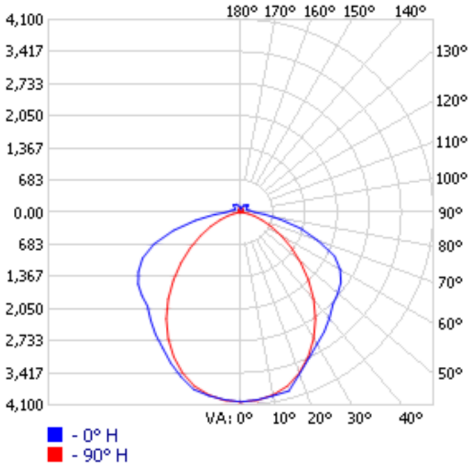
OUTDOOR PHOTOMETRIC REPORT
CATALOG: L-2-12LM-SA-850-1-U1-CP

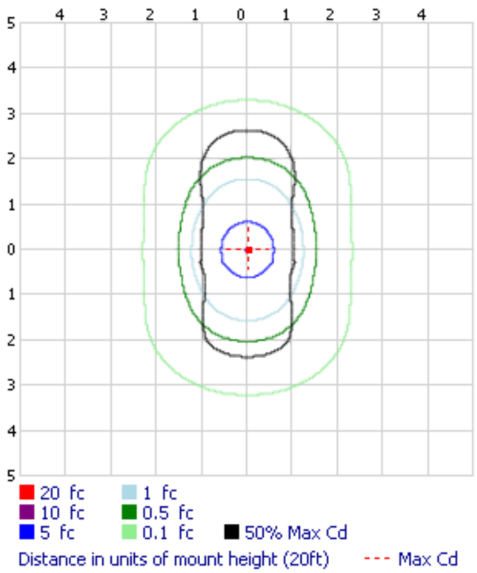
Manufacturer:	LUX Dynamics
Test #:	L012512502
Test Lab:	LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog:	L-2-12lm-SA-850-1-U1-CP
Description:	LED Luminaire
Lamp Output:	Total luminaire Lumens: 12171, absolute photometry *
Ballast / Driver:	OTi 50/120-277/1A4 DIM-1 L G2 / (2)
Input Wattage:	89.91
Luminous Opening:	Rectangle (L: 11.52", W: 12")
Max Cd:	4,034.0 at Horizontal: 0°, Vertical: 0°
Roadway Class:	VERY SHORT, TYPE III

No Photo Available

Polar Candela



Isoilluminance



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3,050.6	25.1%
0-40	4,901.6	40.3%
0-60	8,550.5	70.3%
60-90	2,826.3	23.2%
70-100	1,484.9	12.2%
90-120	370.5	3%
0-90	11,376.8	93.5%
90-180	794.2	6.5%
0-180	12,171.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	378.9	3.1%	90-100	141.9	1.2%
10-20	1,081.1	8.9%	100-110	118.8	1%
20-30	1,590.6	13.1%	110-120	109.8	0.9%
30-40	1,851.0	15.2%	120-130	120.7	1%
40-50	1,884.9	15.5%	130-140	117.6	1%
50-60	1,764.0	14.5%	140-150	87.7	0.7%
60-70	1,483.2	12.2%	150-160	59.2	0.5%
70-80	958.1	7.9%	160-170	30.5	0.3%
80-90	384.9	3.2%	170-180	8.0	0.1%

Roadway Summary

Distribution:	TYPE III, VERY SHORT	
Max Cd, 90 Deg Vert:		320.0
Max Cd, 80 to <90 Deg:		984.0
	Lumens	% Lamp
Downward Street Side:	5,621.9	46.2%
Downward House Side:	5,759.6	47.3%
Downward Total:	11,381.5	93.5%
Upward Street Side:	390.6	3.2%
Upward House Side:	403.4	3.3%
Upward Total:	794.1	6.5%
Total Lumens:	12,175.6	100%

LCS Table

BUG Rating	**B3 - U4 - G3**	
Forward Light	Lumens	Lumens %
Low(0-30):	1,523.6	12.5%
Medium(30-60):	2,729.5	22.4%
High(60-80):	1,188.0	9.8%
Very High(80-90):	180.8	1.5%
Back Light		
Low(0-30):	1,528.7	12.6%
Medium(30-60):	2,772.7	22.8%
High(60-80):	1,254.1	10.3%
Very High(80-90):	204.2	1.7%
Uplight		
Low(90-100):	141.8	1.2%
High(100-180):	652.3	5.4%
Trapped Light:	0.000	0%

L012512502
VISUAL PHOTOMETRIC TOOL

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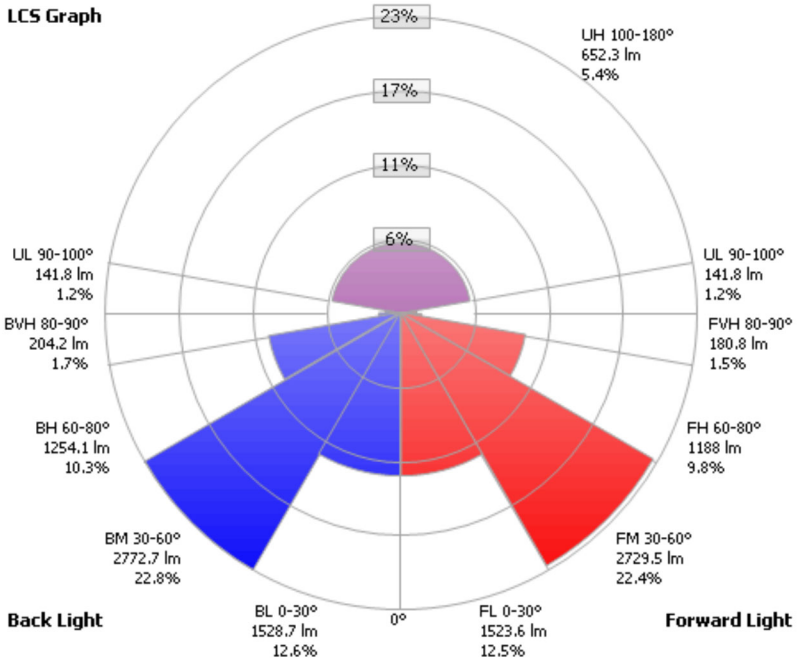
LCS Graph



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	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**	**4034**
5	4007	4004	3999	4007	3990	3977	3989	4001	4008	4015	4005	3995	3985	3972	3975	4001	3998	4002	4004
10	3962	3956	3941	3939	3911	3896	3908	3929	3934	3946	3930	3919	3902	3898	3912	3944	3947	3955	3958
15	3936	3935	3928	3926	3868	3804	3790	3801	3812	3827	3808	3793	3796	3799	3833	3879	3892	3900	3899
20	3655	3666	3690	3740	3753	3730	3658	3623	3627	3636	3622	3619	3646	3681	3714	3742	3734	3730	3727
25	3424	3430	3426	3434	3459	3520	3505	3402	3387	3391	3379	3396	3458	3500	3499	3518	3521	3531	3539
30	3241	3242	3226	3214	3168	3170	3260	3182	3107	3101	3101	3148	3229	3224	3246	3301	3308	3321	3334
35	3097	3090	3061	3011	2916	2848	2908	2917	2784	2769	2781	2874	2934	2935	2982	3070	3117	3152	3172
40	2934	2925	2893	2825	2692	2572	2527	2598	2443	2411	2436	2563	2599	2641	2737	2872	2953	2989	2993
45	2769	2753	2703	2621	2480	2302	2192	2203	2091	2034	2076	2204	2260	2356	2512	2675	2763	2814	2818
50	2692	2666	2589	2447	2256	2061	1887	1790	1728	1664	1718	1829	1934	2105	2284	2487	2638	2726	2756
55	2600	2565	2467	2305	2063	1819	1595	1422	1374	1316	1366	1456	1626	1853	2095	2359	2533	2637	2673
60	2441	2428	2323	2140	1888	1581	1323	1110	1035	993	1035	1132	1346	1623	1926	2190	2393	2497	2522
65	2200	2193	2120	1933	1682	1380	1067	829	735	713	744	850	1086	1398	1726	1988	2186	2291	2315
70	1737	1735	1695	1607	1420	1141	832	647	493	477	502	605	846	1179	1486	1727	1877	1960	1971
75	1312	1312	1284	1203	1052	860	596	400	308	292	312	413	625	922	1146	1298	1410	1479	1490
80	845	848	839	809	716	553	372	244	167	153	170	253	405	606	800	921	967	984	982
85	516	509	488	454	384	288	183	112	70	58	71	119	206	336	458	536	566	578	582
90	292	289	277	243	184	111	50	28	20	16	20	27	49	113	191	259	300	316	320
95	238	243	230	193	133	71	36	25	20	18	21	26	37	73	139	201	241	253	249
100	208	208	198	174	138	94	61	41	30	23	30	40	62	97	144	183	207	216	216
105	169	169	168	156	134	102	74	54	39	28	40	53	74	104	138	162	172	172	170
110	143	143	143	140	127	107	88	67	47	32	46	69	88	107	129	142	144	144	145
115	135	134	134	134	130	124	112	74	50	37	53	76	117	122	131	133	133	134	134
120	134	134	136	141	150	157	115	81	55	43	58	84	128	162	148	139	135	132	132
125	146	150	157	172	191	165	127	88	60	49	60	85	117	181	197	174	155	146	143
130	189	195	208	215	193	157	121	88	65	56	65	87	125	138	212	226	214	200	195
135	229	226	223	169	178	137	120	84	68	63	69	85	126	164	156	223	233	236	234
140	158	158	181	194	151	159	115	86	68	71	70	84	123	142	185	167	184	212	216
145	201	195	174	163	175	126	111	83	64	77	63	86	117	158	157	176	206	201	193
150	195	198	192	159	140	136	109	82	69	82	67	83	108	128	173	174	168	176	177
155	148	150	151	147	148	125	101	83	83	86	78	84	107	124	146	138	184	192	194
160	160	161	158	146	130	111	90	79	88	90	84	80	94	118	128	142	156	154	151
165	132	131	126	118	106	94	82	83	89	91	86	80	87	100	112	127	132	134	136
170	93	94	94	91	84	80	82	85	87	88	87	83	80	83	88	96	98	102	104
175	76	76	77	79	79	80	80	80	81	82	81	80	80	79	78	77	77	77	77
180	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83