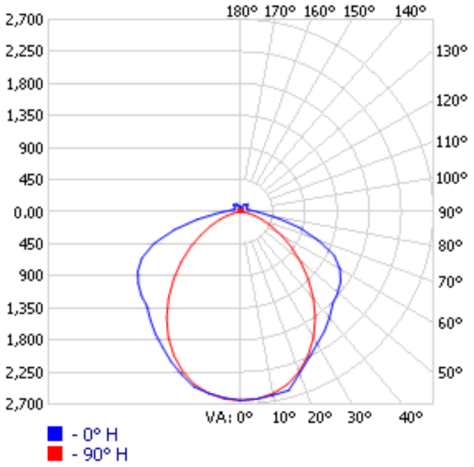
OUTDOOR PHOTOMETRIC REPORT
CATALOG: L-2-8LM-SA-850-1-U1-CP

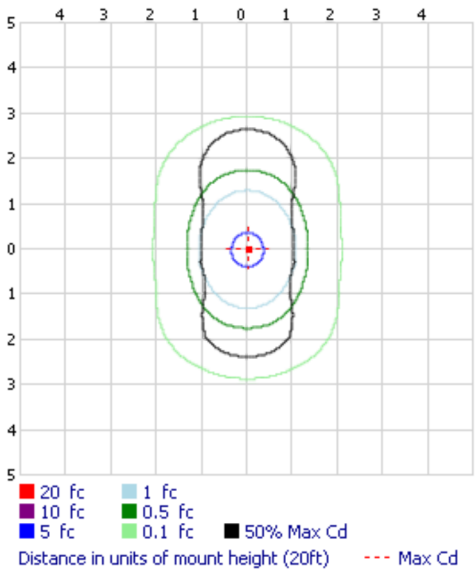
Manufacturer:	LUX Dynamics
Test #:	L122410303
Test Lab:	LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog:	L-2-8lm-SA-850-1-U1-CP
Description:	Parking garage fixture, 2-bar, 8,000lm, SA configuration, 850, 1ft length, U1 driver, Clear Polycarbonate lens
Lamp Output:	Total luminaire Lumens: 8014.2, absolute photometry *
Ballast / Driver:	OTi 50/120-277/1A4 DIM-1 L G2 / (2)
Input Wattage:	57.12
Luminous Opening:	Rectangle w/Luminous Sides (L: 11.52", W: 12", H: 0.72")
Max Cd:	2,647.0 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	2,002.4	25%
0-40	3,219.9	40.2%
0-60	5,624.2	70.2%
60-90	1,860.4	23.2%
70-100	983.3	12.3%
90-120	251.2	3.1%
0-90	7,484.6	93.4%
90-180	529.5	6.6%
0-180	8,014.2	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	248.8	3.1%	90-100	98.8	1.2%
10-20	709.4	8.9%	100-110	78.5	1%
20-30	1,044.3	13.0%	110-120	73.8	0.9%
30-40	1,217.5	15.2%	120-130	79.9	1%
40-50	1,241.5	15.5%	130-140	76.2	1%
50-60	1,162.8	14.5%	140-150	58.0	0.7%
60-70	976.0	12.2%	150-160	38.9	0.5%
70-80	627.8	7.8%	160-170	19.9	0.2%
80-90	256.6	3.2%	170-180	5.3	0.1%

Roadway Summary

Distribution:	TYPE III, VERY SHORT	
Max Cd, 90 Deg Vert:		252.0
Max Cd, 80 to <90 Deg:		635.0
	Lumens	% Lamp
Downward Street Side:	3,701.8	46.2%
Downward House Side:	3,786.0	47.2%
Downward Total:	7,487.8	93.4%
Upward Street Side:	264.2	3.3%
Upward House Side:	265.3	3.3%
Upward Total:	529.4	6.6%
Total Lumens:	8,017.2	100%

LCS Table

BUG Rating	**B2 - U3 - G2**	
Forward Light	Lumens	Lumens %
Low(0-30):	1,003.5	12.5%
Medium(30-60):	1,798.9	22.4%
High(60-80):	778.4	9.7%
Very High(80-90):	120.9	1.5%
Back Light		
Low(0-30):	1,000.0	12.5%
Medium(30-60):	1,824.4	22.8%
High(60-80):	825.8	10.3%
Very High(80-90):	135.8	1.7%
Uplight		
Low(90-100):	98.8	1.2%
High(100-180):	430.6	5.4%
Trapped Light:	0.000	0%

L122410303
VISUAL PHOTOMETRIC TOOL

OUTDOOR PHOTOMETRIC REPORT
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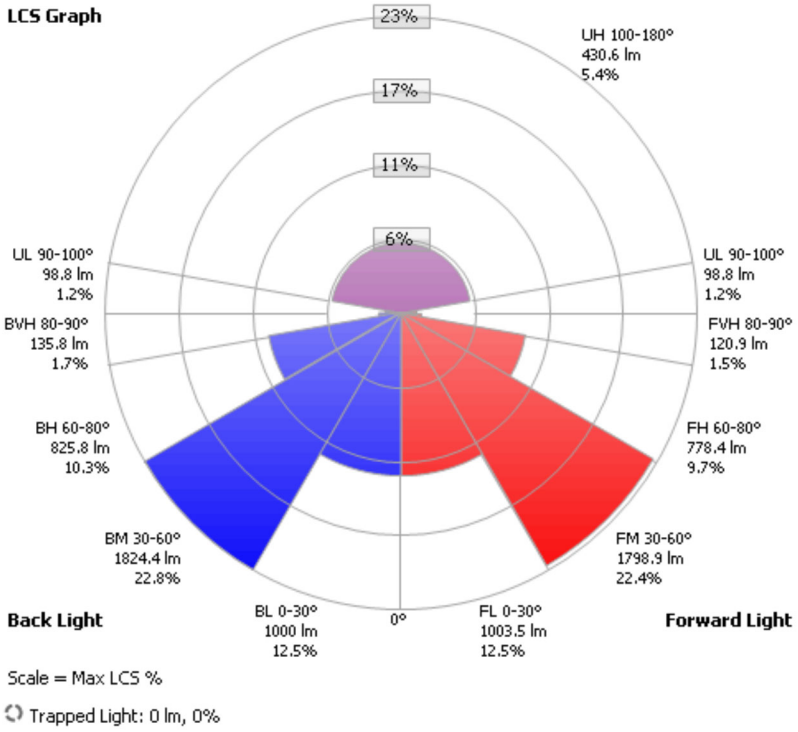

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Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647	2647
5	2636	2634	2630	2637	2626	2616	2624	2631	2631	2635	2628	2622	2614	2604	2606	2622	2618	2620	2622
10	2612	2606	2597	2595	2577	2566	2572	2584	2585	2589	2579	2570	2556	2552	2559	2579	2580	2584	2586
15	2595	2594	2590	2589	2553	2509	2497	2501	2505	2510	2497	2483	2483	2484	2504	2534	2539	2543	2544
20	2409	2415	2431	2466	2477	2461	2412	2384	2386	2387	2374	2369	2383	2404	2421	2439	2434	2432	2432
25	2261	2261	2258	2264	2280	2320	2311	2240	2227	2225	2215	2223	2259	2281	2280	2299	2306	2315	2320
30	2141	2140	2129	2120	2088	2087	2150	2097	2042	2036	2031	2058	2104	2102	2124	2165	2175	2185	2196
35	2043	2038	2017	1987	1928	1877	1916	1925	1832	1817	1820	1876	1910	1922	1959	2021	2057	2079	2092
40	1935	1930	1910	1861	1774	1696	1664	1709	1607	1581	1594	1670	1696	1735	1802	1894	1949	1974	1977
45	1822	1816	1786	1729	1634	1523	1447	1452	1375	1335	1360	1434	1480	1554	1660	1762	1824	1859	1867
50	1773	1756	1703	1612	1492	1362	1245	1178	1139	1095	1125	1192	1274	1392	1507	1643	1744	1802	1823
55	1708	1690	1623	1514	1358	1202	1053	939	905	865	891	956	1075	1228	1384	1554	1671	1742	1758
60	1605	1597	1528	1406	1235	1053	873	733	683	655	678	748	891	1079	1271	1439	1573	1652	1671
65	1442	1438	1381	1268	1105	910	699	548	486	470	489	562	721	937	1132	1309	1435	1512	1534
70	1148	1142	1098	1043	929	748	548	399	326	316	332	403	565	783	980	1126	1229	1285	1299
75	851	853	832	786	685	562	402	266	203	194	208	278	420	613	763	846	919	960	967
80	542	543	540	521	472	371	244	161	112	102	114	172	271	397	519	599	626	635	632
85	334	333	323	302	255	191	122	74	46	38	48	77	135	220	300	350	369	375	375
90	233	232	217	187	137	79	34	19	13	11	13	20	36	83	146	199	232	249	252
95	166	165	154	129	92	51	26	18	14	12	14	18	26	49	91	133	158	170	171
100	136	134	127	111	87	64	42	28	21	16	21	28	42	64	88	113	130	139	140
105	115	114	111	104	89	69	51	37	27	18	26	36	50	68	88	104	113	116	116
110	97	97	97	93	84	73	61	46	33	21	32	45	58	71	83	93	96	96	96
115	91	90	91	91	88	84	71	52	37	25	37	51	78	82	87	89	89	89	90
120	91	92	94	96	102	104	86	59	39	29	40	54	74	110	101	94	91	90	89
125	100	101	106	115	121	109	81	60	42	32	41	56	80	97	132	116	104	98	95
130	126	130	136	113	128	109	89	60	44	37	45	57	83	111	110	148	142	134	130
135	109	109	127	144	124	107	82	58	47	43	48	58	81	99	125	118	127	145	149
140	149	145	139	121	118	90	88	56	46	48	47	56	75	108	108	119	137	129	124
145	117	119	123	124	96	101	79	55	43	52	42	55	74	78	120	124	110	110	112
150	117	114	104	103	111	95	71	55	47	55	45	58	72	88	89	105	131	136	136
155	114	118	119	111	99	81	63	56	55	58	54	59	68	84	96	100	94	87	87
160	108	107	102	94	81	68	60	52	58	59	56	52	68	74	86	97	101	102	103
165	81	80	78	73	68	64	55	54	58	60	57	53	56	70	77	80	83	86	89
170	61	62	63	60	56	53	54	56	58	58	57	55	53	54	57	65	69	72	76
175	51	51	51	52	53	53	53	53	54	54	54	53	53	54	53	51	51	51	51
180	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55