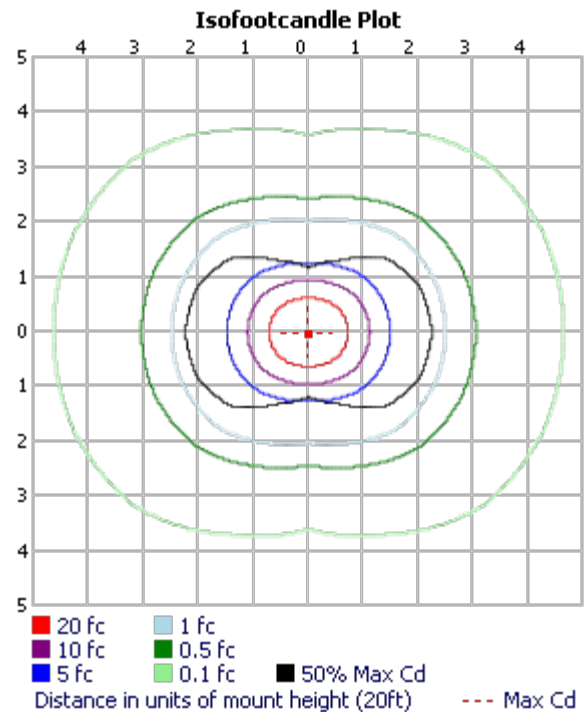
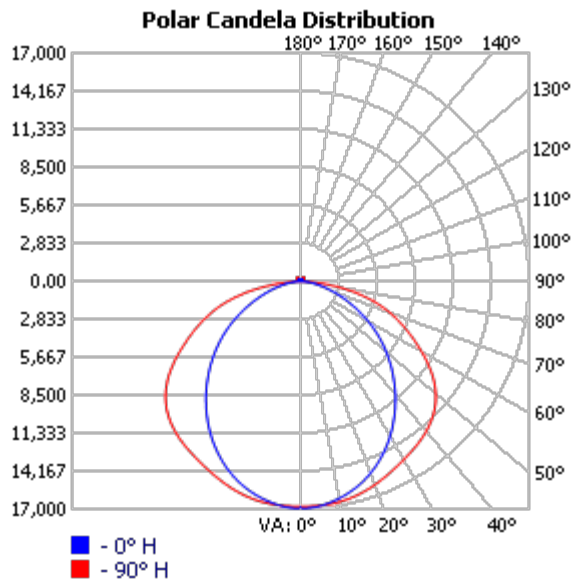


**MANUFACTURER:** LUX DYNAMICS, RENO, NV 89502  
**TEST #:** LLI-17187-3  
**TEST LAB:** LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)  
**TEST DATE:** THIS FILE CREATED: WEDNESDAY, JULY 12, 2017 3:04:06 PM  
**CATALOG:** LUX-IK10-10-T-HO2-850-2'-U10-CA2'  
**DESCRIPTION:** LUX DYNAMICS - HIGH BAY LUMINAIRE. PRODUCT ID: LUX-IK10-10-T-HO2-850-2'-U10-CA2' EXTRUDED ALUMINUM DRIVER HOUSING AND LED BARS WITH CLEAR PLASTIC LENSES. 1120 LEDS MOUNTED IN ONE 2X56 ARRAY ON EACH OF 10 BARS. 5 OSRAM OPTOTRONIC LED DRIVERS. MODEL: OTI 85/120-277/2A3 DIM L SET TO 1950 MA. OPERATING AT 120 VAC AND 60 HZ.  
**LAMP OUTPUT:** TOTAL LUMINAIRE LUMENS: 53736.2, **ABSOLUTE PHOTOMETRY \***  
**INPUT WATTAGE:** 450.5  
**LUMINOUS OPENING:** RECTANGLE (L: 23.27", W: 20.51")  
**MAX CD:** 16,940.0 AT HORIZONTAL: 0°, VERTICAL: 0.5°  
**ROADWAY CLASS:** VERY SHORT, TYPE II

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 2017, ACUITY BRANDS LIGHTING.

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**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LUMINAIRE
0-30	13,194.3	24.6%
0-40	21,867.6	40.7%
0-60	40,250.7	74.9%
60-90	12,715.6	23.7%
70-100	5,663.5	10.5%
90-120	192.9	0.4%
0-90	52,966.3	98.6%
90-180	769.9	1.4%
0-180	53,736.2	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,595.6	3.0%	90-100	13.6	0%
10-20	4,589.4	8.5%	100-110	65.0	0.1%
20-30	7,009.4	13.0%	110-120	114.3	0.2%
30-40	8,673.3	16.1%	120-130	158.8	0.3%
40-50	9,442.3	17.6%	130-140	160.7	0.3%
50-60	8,940.8	16.6%	140-150	114.0	0.2%
60-70	7,065.8	13.1%	150-160	79.7	0.1%
70-80	4,399.1	8.2%	160-170	47.4	0.1%
80-90	1,250.7	2.3%	170-180	16.3	0%

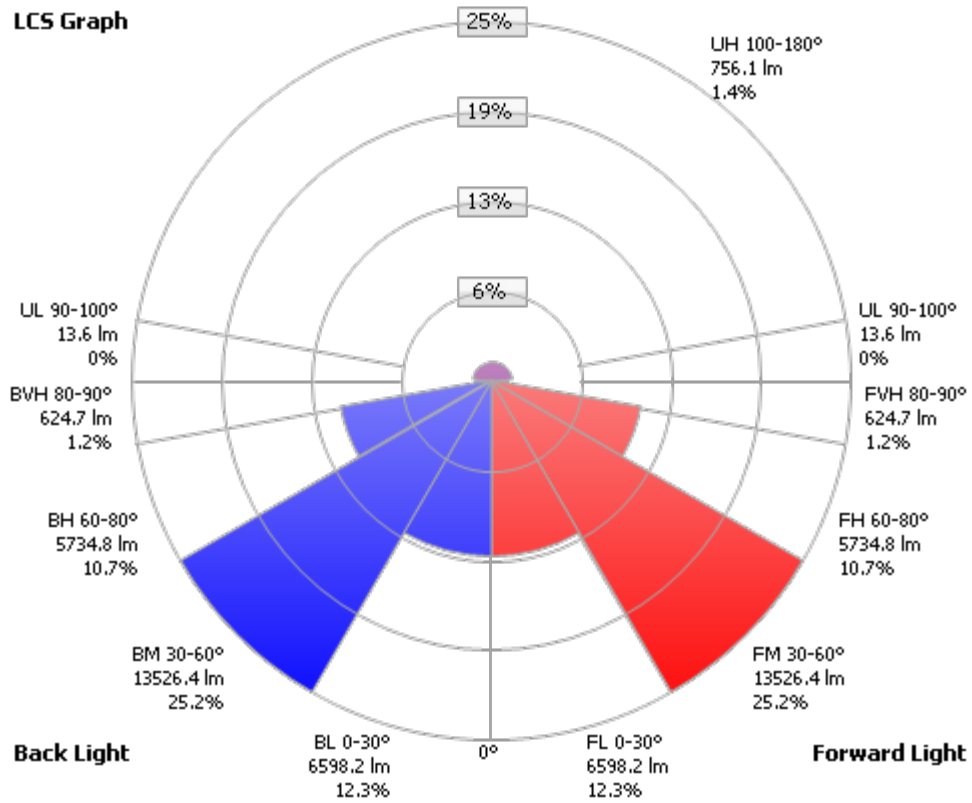
**ROADWAY SUMMARY**

DISTRIBUTION: TYPE II, VERY SHORT		
	LUMENS	% LAMP
MAX CD, 90 DEG VERT:		0.000
MAX CD, 80 TO <90 DEG:	3,468.7	
DOWNWARD STREET SIDE:	26,484.1	49.3%
DOWNWARD HOUSE SIDE:	26,484.1	49.3%
DOWNWARD TOTAL:	52,968.2	98.6%
UPWARD STREET SIDE:	384.9	0.7%
UPWARD HOUSE SIDE:	384.9	0.7%
UPWARD TOTAL:	769.7	1.4%
TOTAL LUMENS:	53,737.9	100%

**LCS TABLE**

BUG RATING	B5 - U4 - G5	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	6,598.2	12.3%
MEDIUM(30-60):	13,526.4	25.2%
HIGH(60-80):	5,734.8	10.7%
VERY HIGH(80-90):	624.7	1.2%
<b>BACK LIGHT</b>		
LOW(0-30):	6,598.2	12.3%
MEDIUM(30-60):	13,526.4	25.2%
HIGH(60-80):	5,734.8	10.7%
VERY HIGH(80-90):	624.7	1.2%
<b>UPLIGHT</b>		
LOW(90-100):	13.6	0%
HIGH(100-180):	756.1	1.4%
<b>TRAPPED LIGHT:</b>	0.000	0%

**LCS Graph**



**Back Light**

**Forward Light**

Scale = Max LCS %

☉ Trapped Light: 0lm, 0%

CANDELA TABLE - TYPE C					
	0	22.5	45	67.5	90
0	16833	16833	16833	16833	16833
5	16802	16791	16754	16771	16777
10	16444	16535	16598	16668	16696
15	15923	16077	16321	16436	16483
20	15223	15472	15898	16078	16144
25	14346	14748	15344	15649	15745
30	13320	13907	14709	15203	15354
35	12180	12974	14045	14774	14990
40	10953	11963	13347	14298	14563
45	9681	10872	12572	13696	13984
50	8380	9683	11657	12852	13125
55	7034	8387	10558	11683	11896
60	5648	7019	9249	10202	10347
65	4278	5626	7791	8614	8773
70	3031	4270	6246	7023	7214
75	1954	2980	4660	5370	5482
80	1072	1819	3053	3469	3402
85	399	798	1354	1335	1225
90	0	0	0	0	0
95	20	15	13	13	13
100	38	30	33	36	34
105	56	110	35	49	49
110	69	179	88	38	43
115	74	165	148	92	59
120	84	137	209	122	115
125	94	142	242	190	202
130	107	147	233	243	271
135	116	149	186	287	331
140	125	152	165	250	326
145	134	154	175	199	242
150	144	154	170	183	203
155	149	154	168	188	202
160	148	162	166	183	192
165	145	167	164	177	175
170	151	167	185	168	162
175	156	163	175	176	170
180	165	165	165	165	165