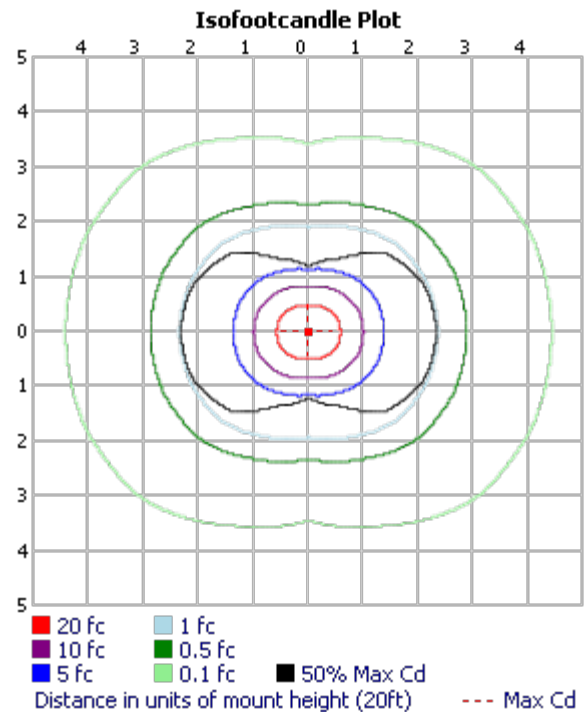
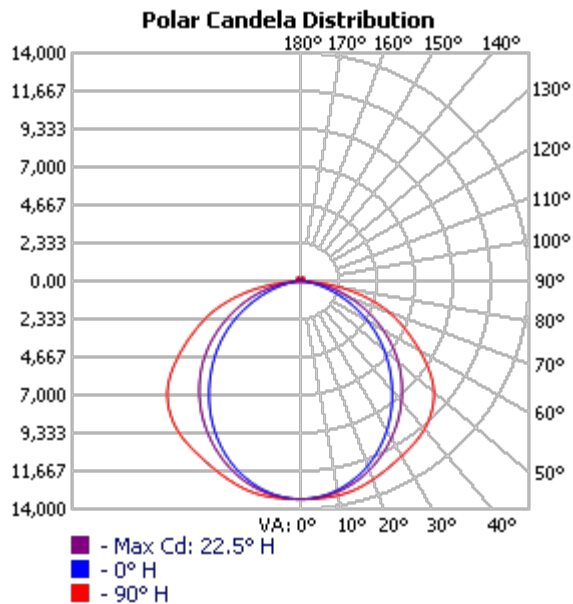


**MANUFACTURER:** LUX DYNAMICS, RENO, NV 89502  
**TEST #:** LLI-17186-11  
**TEST LAB:** LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)  
**TEST DATE:** THIS FILE CREATED: TUESDAY, JULY 11, 2017 11:57:51 AM  
**CATALOG:** LUX-IK10-4-D-HO2-850-4'-U10-CA4'  
**DESCRIPTION:** LUX DYNAMICS - HIGH BAY LUMINAIRE. PRODUCT ID: LUX-IK10-4-D-HO2-850-4'-U10-CA4' EXTRUDED ALUMINUM DRIVER HOUSING AND LED BARS WITH CLEAR PLASTIC LENSES. 896 LEDS MOUNTED IN TWO 2X56 ARRAYS ON EACH OF 4 BARS. 4 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: 43804.8, **ABSOLUTE PHOTOMETRY \***  
**INPUT WATTAGE:** 361.8  
**LUMINOUS OPENING:** RECTANGLE (L: 46.69", W: 8.27")  
**MAX CD:** 13,392.7 AT HORIZONTAL: 22.5°, VERTICAL: 1°  
**ROADWAY CLASS:** VERY SHORT, TYPE II



\*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	10,541.6	24.1%
0-40	17,525.6	40%
0-60	32,435.9	74%
60-90	10,566.8	24.1%
70-100	4,801.2	11%
90-120	276.0	0.6%
0-90	43,002.6	98.2%
90-180	802.2	1.8%
0-180	43,804.8	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,269.2	2.9%	90-100	21.7	0%
10-20	3,661.1	8.4%	100-110	116.6	0.3%
20-30	5,611.4	12.8%	110-120	137.7	0.3%
30-40	6,984.0	15.9%	120-130	156.2	0.4%
40-50	7,642.4	17.4%	130-140	142.3	0.3%
50-60	7,267.8	16.6%	140-150	109.7	0.3%
60-70	5,787.3	13.2%	150-160	70.1	0.2%
70-80	3,656.7	8.3%	160-170	37.5	0.1%
80-90	1,122.8	2.6%	170-180	10.5	0%

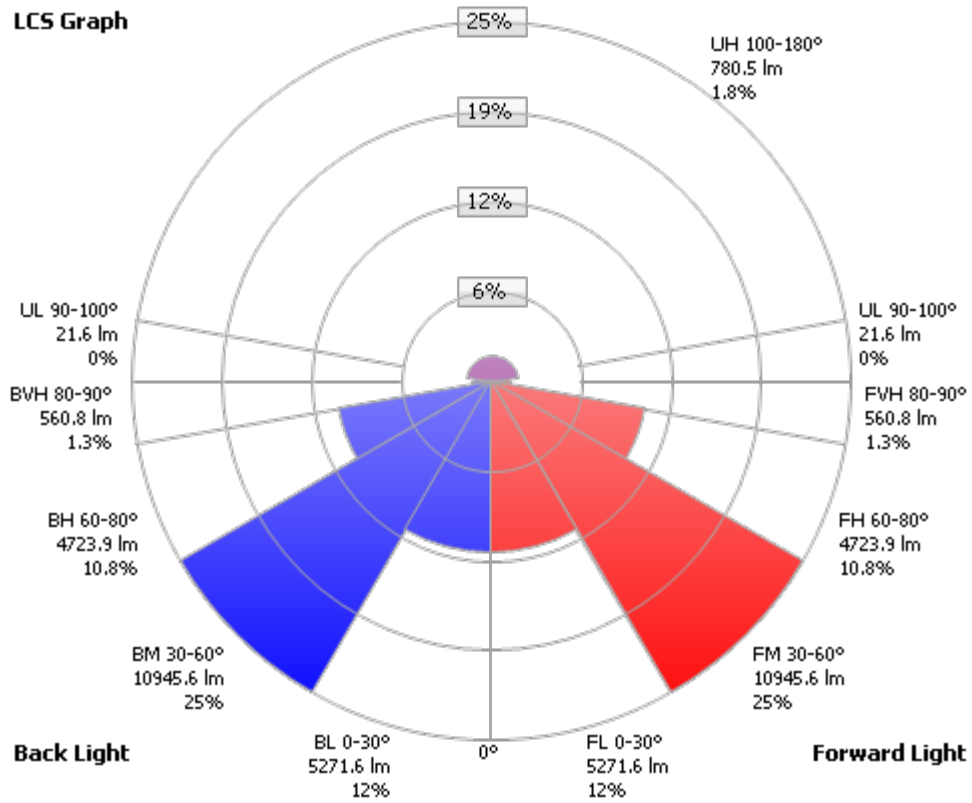
**ROADWAY SUMMARY**

DISTRIBUTION: TYPE II, VERY SHORT		
	LUMENS	% LAMP
MAX CD, 90 DEG VERT:	0.000	
MAX CD, 80 TO <90 DEG:	2,928.9	
DOWNWARD STREET SIDE:	21,501.8	49.1%
DOWNWARD HOUSE SIDE:	21,501.8	49.1%
DOWNWARD TOTAL:	43,003.6	98.2%
UPWARD STREET SIDE:	401.0	0.9%
UPWARD HOUSE SIDE:	401.0	0.9%
UPWARD TOTAL:	802.1	1.8%
TOTAL LUMENS:	43,805.7	100%

**LCS TABLE**

BUG RATING	B5 - U4 - G4	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	5,271.6	12%
MEDIUM(30-60):	10,945.6	25%
HIGH(60-80):	4,723.9	10.8%
VERY HIGH(80-90):	560.8	1.3%
<b>BACK LIGHT</b>		
LOW(0-30):	5,271.6	12%
MEDIUM(30-60):	10,945.6	25%
HIGH(60-80):	4,723.9	10.8%
VERY HIGH(80-90):	560.8	1.3%
<b>UPLIGHT</b>		
LOW(90-100):	21.6	0%
HIGH(100-180):	780.5	1.8%
<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	13372	13372	13372	13372	13372
5	13279	13326	13341	13354	13371
10	13016	13123	13230	13311	13349

CANDELA TABLE - TYPE C					
	0	22.5	45	67.5	90
0	13372	13372	13372	13372	13372
5	13279	13326	13341	13354	13371
10	13016	13123	13230	13311	13349
15	12594	12789	13025	13158	13208
20	12043	12331	12713	12891	12951
25	11362	11766	12298	12573	12663
30	10566	11122	11828	12250	12388
35	9680	10403	11336	11939	12143
40	8730	9619	10812	11587	11827
45	7746	8766	10219	11100	11354
50	6738	7838	9500	10420	10671
55	5696	6822	8614	9478	9650
60	4615	5740	7573	8279	8392
65	3531	4638	6394	7014	7133
70	2513	3547	5161	5782	5924
75	1628	2507	3916	4422	4475
80	895	1559	2604	2929	2899
85	330	714	1258	1303	1219
90	0	0	0	0	0
95	14	19	15	18	19
100	30	71	55	51	47
105	40	115	153	105	89
110	49	149	133	217	229
115	56	155	142	123	79
120	64	147	263	145	110
125	72	148	188	230	117
130	81	134	252	212	233
135	88	157	235	254	130
140	92	157	207	243	252
145	95	143	196	207	240
150	97	125	162	182	204
155	100	118	178	155	156
160	102	115	148	183	185
165	104	109	121	155	161
170	107	102	112	132	132
175	110	99	100	115	118
180	102	102	102	102	102