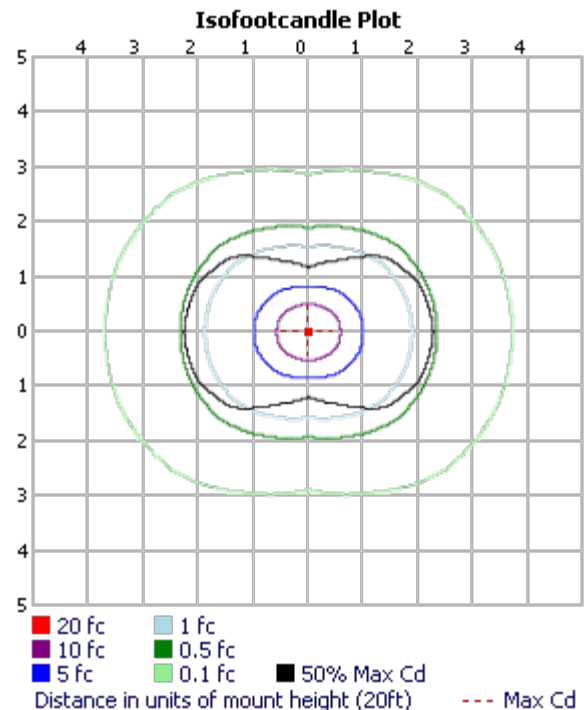
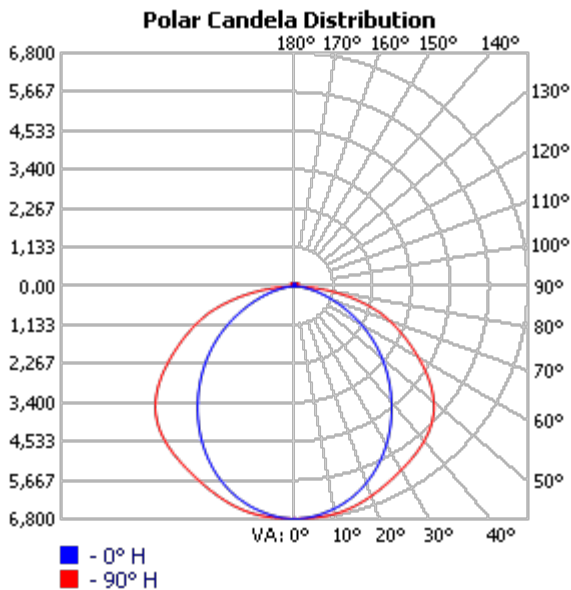


**MANUFACTURER:** LUX DYNAMICS, RENO, NV 89502  
**TEST #:** LLI-17187-7  
**TEST LAB:** LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)  
**TEST DATE:** THIS FILE CREATED: TUESDAY, JULY 11, 2017 11:24:31 AM  
**CATALOG:** LUX-IK10-4-D-HO2-850-2'-U10-CA2'  
**DESCRIPTION:** LUX DYNAMICS - HIGH BAY LUMINAIRE. PRODUCT ID: LUX-IK10-4-D-HO2-850-2'-U10-CA2' EXTRUDED ALUMINUM DRIVER HOUSING AND LED BARS WITH CLEAR PLASTIC LENSES. 448 LEDS MOUNTED IN ONE 2X56 ARRAY ON EACH OF 4 BARS. 2 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: 21724.5, **ABSOLUTE PHOTOMETRY \***  
**INPUT WATTAGE:** 180.3  
**LUMINOUS OPENING:** RECTANGLE (L: 23.27", W: 8.27")  
**MAX CD:** 6,787.5 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	5,312.6	24.5%
0-40	8,805.1	40.5%
0-60	16,201.1	74.6%
60-90	5,170.2	23.8%
70-100	2,337.0	10.8%
90-120	121.6	0.6%
0-90	21,371.3	98.4%
90-180	353.2	1.6%
0-180	21,724.5	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	642.6	3.0%	90-100	10.5	0%
10-20	1,848.0	8.5%	100-110	56.1	0.3%
20-30	2,822.0	13.0%	110-120	55.0	0.3%
30-40	3,492.5	16.1%	120-130	60.2	0.3%
40-50	3,801.4	17.5%	130-140	60.7	0.3%
50-60	3,594.6	16.5%	140-150	51.7	0.2%
60-70	2,843.8	13.1%	150-160	35.0	0.2%
70-80	1,794.3	8.3%	160-170	18.9	0.1%
80-90	532.2	2.4%	170-180	5.0	0%

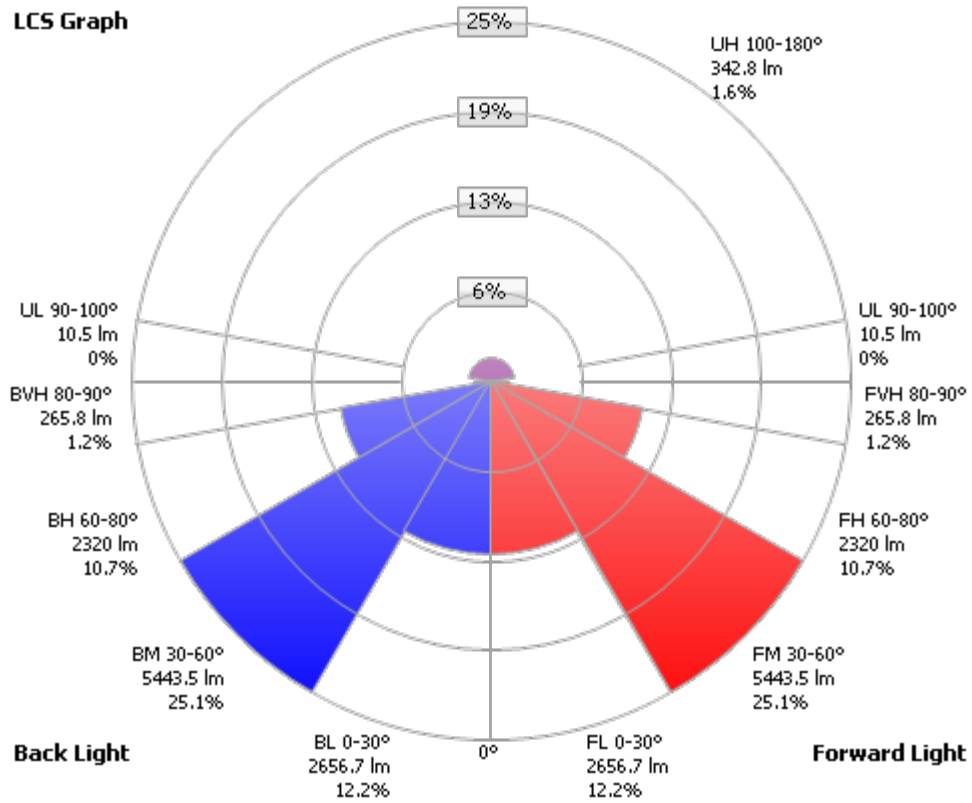
**ROADWAY SUMMARY**

DISTRIBUTION: TYPE II, VERY SHORT		
MAX CD, 90 DEG VERT:		0.000
MAX CD, 80 TO <90 DEG:		1,457.9
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	10,686.0	49.2%
DOWNWARD HOUSE SIDE:	10,686.0	49.2%
DOWNWARD TOTAL:	21,372.1	98.4%
UPWARD STREET SIDE:	176.7	0.8%
UPWARD HOUSE SIDE:	176.7	0.8%
UPWARD TOTAL:	353.3	1.6%
TOTAL LUMENS:	21,725.4	100%

**LCS TABLE**

BUG RATING	B4 - U3 - G3	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	2,656.7	12.2%
MEDIUM(30-60):	5,443.5	25.1%
HIGH(60-80):	2,320.0	10.7%
VERY HIGH(80-90):	265.8	1.2%
<b>BACK LIGHT</b>		
LOW(0-30):	2,656.7	12.2%
MEDIUM(30-60):	5,443.5	25.1%
HIGH(60-80):	2,320.0	10.7%
VERY HIGH(80-90):	265.8	1.2%
<b>UPLIGHT</b>		
LOW(90-100):	10.5	0%
HIGH(100-180):	342.8	1.6%
<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	6780	6780	6780	6780	6780
5	6731	6745	6754	6769	6779
10	6594	6640	6687	6729	6747
15	6391	6461	6571	6632	6656
20	6110	6224	6401	6482	6517
25	5757	5932	6178	6307	6357
30	5344	5592	5924	6127	6200
35	4884	5218	5660	5952	6052
40	4389	4811	5381	5760	5881
45	3880	4373	5069	5512	5648
50	3356	3894	4700	5171	5294
55	2815	3371	4254	4689	4784
60	2254	2817	3724	4099	4165
65	1703	2254	3138	3473	3546
70	1198	1706	2525	2855	2944
75	769	1192	1902	2215	2262
80	417	734	1261	1458	1453
85	151	328	586	599	564
90	0	0	0	0	0
95	7	9	7	8	8
100	14	26	30	32	31
105	19	55	64	62	58
110	20	77	51	94	105
115	20	67	58	36	34
120	21	56	105	59	52
125	25	56	54	103	53
130	30	48	97	88	108
135	35	63	103	114	59
140	39	71	96	109	122
145	45	70	93	101	111
150	50	63	76	87	95
155	53	62	92	75	73
160	53	60	79	90	89
165	50	57	65	76	77
170	49	50	58	65	65
175	47	44	49	54	55
180	44	44	44	44	44