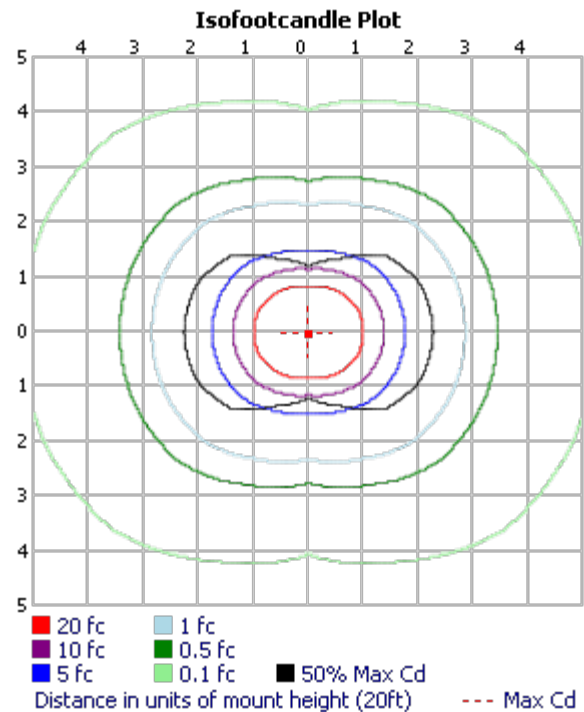
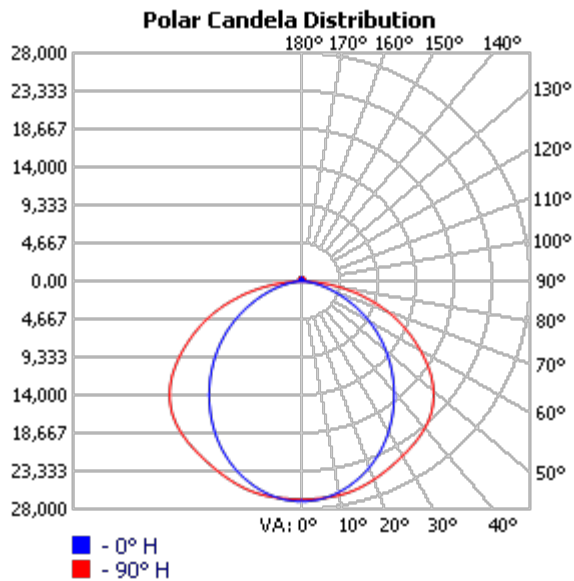


MANUFACTURER: LUX DYNAMICS, RENO, NV 89502
TEST #: LLI-17186-8
TEST LAB: LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)
TEST DATE: THIS FILE CREATED: WEDNESDAY, JULY 12, 2017 2:14:25 PM
CATALOG: LUX-IK10-8-T-HO2-850-4'-U10-CA4'
DESCRIPTION: LUX DYNAMICS - HIGH BAY LUMINAIRE. PRODUCT ID: LUX-IK10-8-T-HO2-850-4'-U10-CA4' EXTRUDED ALUMINUM DRIVER HOUSING AND LED BARS WITH CLEAR PLASTIC LENSES. 1792 LEDS MOUNTED IN TWO 2X56 ARRAYS ON EACH OF 8 BARS. 8 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: 87094.3, **ABSOLUTE PHOTOMETRY ***
INPUT WATTAGE: 729.1
LUMINOUS OPENING: RECTANGLE (L: 46.69", W: 15.51")
MAX CD: 27,045.1 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	21,147.3	24.3%
0-40	35,131.5	40.3%
0-60	64,870.5	74.5%
60-90	20,771.3	23.8%
70-100	9,292.7	10.7%
90-120	363.2	0.4%
0-90	85,641.8	98.3%
90-180	1,452.5	1.7%
0-180	87,094.3	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	2,548.1	2.9%	90-100	28.6	0%
10-20	7,344.3	8.4%	100-110	110.9	0.1%
20-30	11,254.9	12.9%	110-120	223.6	0.3%
30-40	13,984.1	16.1%	120-130	271.0	0.3%
40-50	15,258.6	17.5%	130-140	277.2	0.3%
50-60	14,480.5	16.6%	140-150	239.4	0.3%
60-70	11,507.1	13.2%	150-160	167.2	0.2%
70-80	7,099.7	8.2%	160-170	101.0	0.1%
80-90	2,164.4	2.5%	170-180	33.5	0%

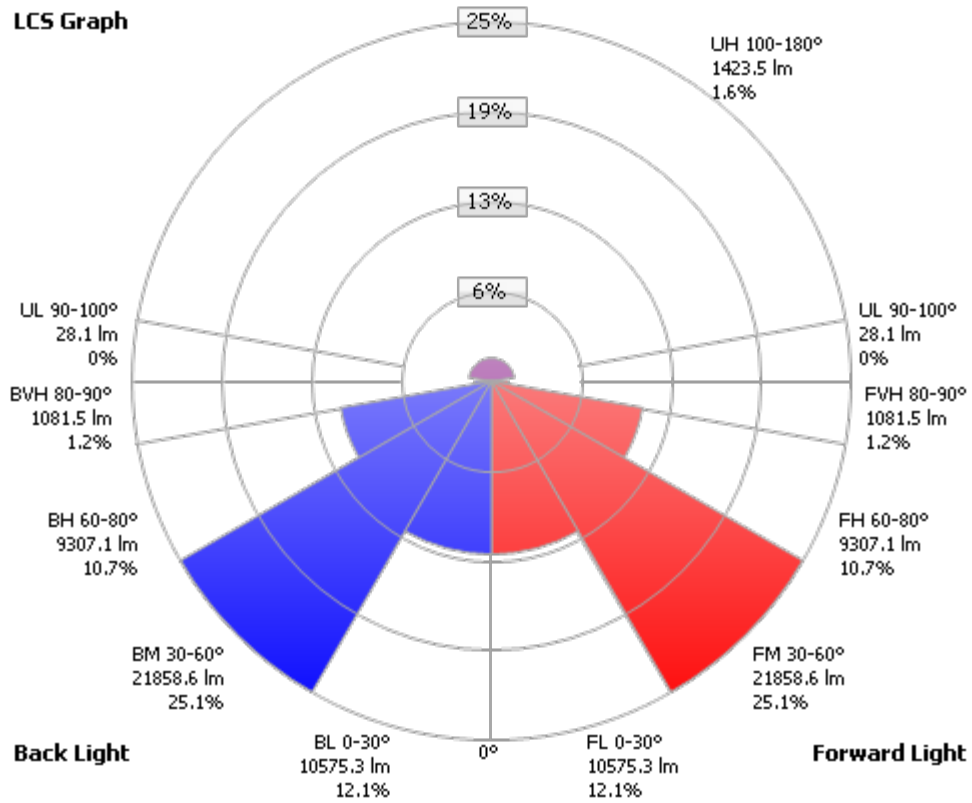
ROADWAY SUMMARY

DISTRIBUTION: TYPE II, VERY SHORT		
MAX CD, 90 DEG VERT:		35.6
MAX CD, 80 TO <90 DEG:		5,519.9
	LUMENS	% LAMP
DOWNWARD STREET SIDE:	42,822.4	49.2%
DOWNWARD HOUSE SIDE:	42,822.4	49.2%
DOWNWARD TOTAL:	85,644.8	98.3%
UPWARD STREET SIDE:	725.8	0.8%
UPWARD HOUSE SIDE:	725.8	0.8%
UPWARD TOTAL:	1,451.5	1.7%
TOTAL LUMENS:	87,096.4	100%

LCS TABLE

BUG RATING	B5 - U5 - G5	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	10,575.3	12.1%
MEDIUM(30-60):	21,858.6	25.1%
HIGH(60-80):	9,307.1	10.7%
VERY HIGH(80-90):	1,081.5	1.2%
BACK LIGHT		
LOW(0-30):	10,575.3	12.1%
MEDIUM(30-60):	21,858.6	25.1%
HIGH(60-80):	9,307.1	10.7%
VERY HIGH(80-90):	1,081.5	1.2%
UPLIGHT		
LOW(90-100):	28.1	0%
HIGH(100-180):	1,423.5	1.6%
TRAPPED LIGHT:	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	26858	26858	26858	26858	26858
5	26852	26786	26760	26769	26756
10	26300	26379	26537	26660	26686
15	25423	25688	26108	26342	26399
20	24304	24746	25480	25829	25913
25	22926	23601	24656	25198	25339
30	21321	22297	23717	24534	24762
35	19536	20849	22705	23867	24199
40	17622	19274	21616	23103	23515
45	15639	17568	20382	22102	22550
50	13603	15702	18916	20692	21111
55	11504	13658	17126	18799	19149
60	9330	11493	15011	16480	16729
65	7150	9267	12667	13950	14180
70	5100	7059	10198	11305	11482
75	3320	4961	7612	8409	8482
80	1832	3054	4967	5520	5436
85	687	1368	2404	2496	2341
90	0	21	32	36	35
95	34	25	24	24	23
100	67	80	54	54	50
105	97	161	79	73	78
110	115	196	214	106	88
115	136	242	257	246	263
120	161	265	287	289	301
125	193	278	321	332	379
130	222	294	399	336	370
135	249	303	406	391	389
140	269	318	394	472	481
145	283	318	375	467	476
150	295	320	360	414	445
155	303	333	364	384	422
160	310	345	359	376	389
165	323	350	358	362	383
170	336	352	369	355	364
175	347	338	357	350	342
180	335	335	335	335	335