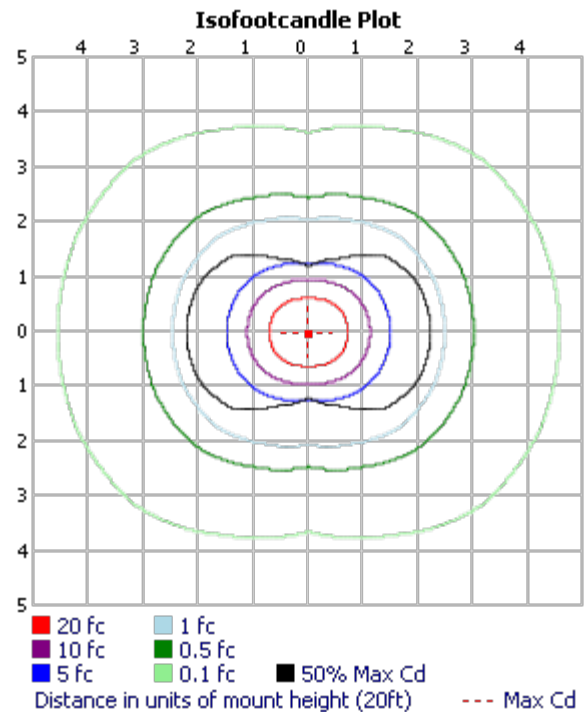
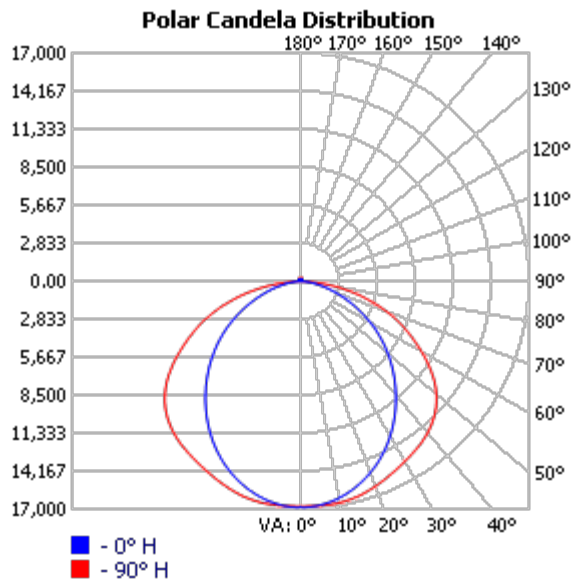


**MANUFACTURER:** LUX DYNAMICS, RENO, NV 89502  
**TEST #:** LLI-17186-10  
**TEST LAB:** LIGHTLAB INTERNATIONAL (WWW.LIGHTLABINT.COM)  
**TEST DATE:** THIS FILE CREATED: WEDNESDAY, JULY 12, 2017 1:41:39 PM  
**CATALOG:** LUX-IK10-5-D-HO2-850-4'-U10-CA4'  
**DESCRIPTION:** LUX DYNAMICS - HIGH BAY LUMINAIRE. PRODUCT ID: LUX-IK10-5-D-HO2-850-4'-U10-CA4' EXTRUDED ALUMINUM DRIVER HOUSING AND LED BARS WITH CLEAR PLASTIC LENSES. 1120 LEDS MOUNTED IN TWO 2X56 ARRAYS ON EACH OF 5 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: 53940.7, **ABSOLUTE PHOTOMETRY \***  
**INPUT WATTAGE:** 452.6  
**LUMINOUS OPENING:** RECTANGLE (L: 46.69", W: 9.49")  
**MAX CD:** 16,857.7 AT HORIZONTAL: 0°, VERTICAL: 0.5°  
**ROADWAY CLASS:** TYPE VS



\*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	13,241.8	24.5%
0-40	21,992.6	40.8%
0-60	40,567.6	75.2%
60-90	12,700.9	23.5%
70-100	5,584.6	10.4%
90-120	159.0	0.3%
0-90	53,268.5	98.8%
90-180	672.1	1.2%
0-180	53,940.7	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,594.7	3.0%	90-100	13.1	0%
10-20	4,600.0	8.5%	100-110	56.8	0.1%
20-30	7,047.1	13.1%	110-120	89.1	0.2%
30-40	8,750.8	16.2%	120-130	121.0	0.2%
40-50	9,541.4	17.7%	130-140	123.0	0.2%
50-60	9,033.7	16.7%	140-150	118.2	0.2%
60-70	7,129.4	13.2%	150-160	87.7	0.2%
70-80	4,333.6	8.0%	160-170	49.1	0.1%
80-90	1,237.9	2.3%	170-180	14.2	0%

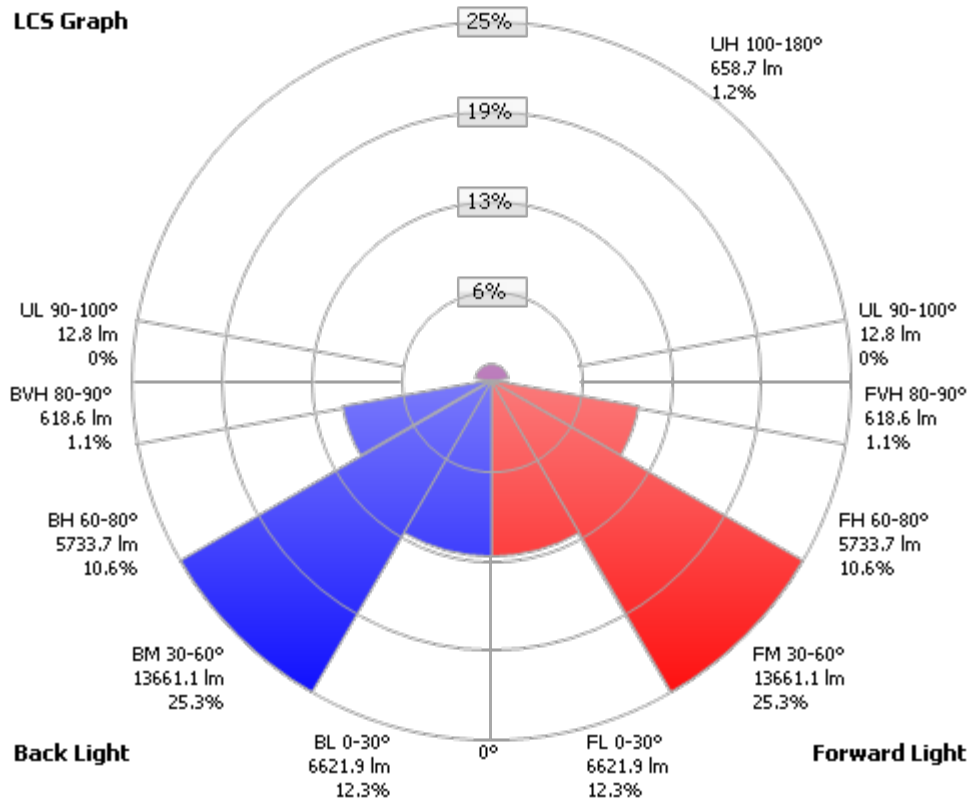
**ROADWAY SUMMARY**

DISTRIBUTION:	TYPE VS
MAX CD, 90 DEG VERT:	23.6
MAX CD, 80 TO <90 DEG:	3,233.3
	LUMENS % LAMP
DOWNWARD STREET SIDE:	26,635.3 49.4%
DOWNWARD HOUSE SIDE:	26,635.3 49.4%
DOWNWARD TOTAL:	53,270.6 98.8%
UPWARD STREET SIDE:	335.7 0.6%
UPWARD HOUSE SIDE:	335.7 0.6%
UPWARD TOTAL:	671.5 1.2%
TOTAL LUMENS:	53,942.1 100%

**LCS TABLE**

BUG RATING	B5 - U4 - G4	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	6,621.9	12.3%
MEDIUM(30-60):	13,661.1	25.3%
HIGH(60-80):	5,733.7	10.6%
VERY HIGH(80-90):	618.6	1.1%
<b>BACK LIGHT</b>		
LOW(0-30):	6,621.9	12.3%
MEDIUM(30-60):	13,661.1	25.3%
HIGH(60-80):	5,733.7	10.6%
VERY HIGH(80-90):	618.6	1.1%
<b>UPLIGHT</b>		
LOW(90-100):	12.8	0%
HIGH(100-180):	658.7	1.2%
<b>TRAPPED LIGHT:</b>	0.000	0%

**LCS Graph**



Scale = Max LCS %

☉ Trapped Light: 0lm, 0%

CANDELA TABLE - TYPE C					
	0	22.5	45	67.5	90
0	16806	16806	16806	16806	16806
5	16749	16744	16757	16766	16788
10	16410	16487	16616	16706	16762
15	15877	16065	16361	16521	16587
20	15179	15493	15966	16184	16265
25	14325	14785	15446	15771	15886
30	13326	13970	14845	15341	15510
35	12217	13063	14205	14918	15160
40	11023	12075	13522	14440	14721
45	9788	11008	12749	13794	14097
50	8516	9840	11815	12903	13195
55	7207	8559	10683	11698	11921
60	5854	7191	9348	10204	10339
65	4490	5787	7863	8589	8710
70	3209	4392	6300	6913	7008
75	2087	3075	4656	5088	5107
80	1153	1873	2989	3233	3158
85	427	814	1336	1331	1241
90	0	11	19	24	24
95	18	12	11	10	9
100	39	34	30	21	20
105	54	79	44	48	48
110	66	93	76	58	59
115	77	116	98	58	29
120	89	165	149	155	67
125	101	159	143	161	56
130	114	189	134	145	168
135	125	174	193	103	148
140	133	181	221	170	125
145	136	180	219	240	191
150	138	177	214	196	216
155	140	171	206	215	237
160	145	153	189	212	188
165	144	146	178	198	199
170	147	137	148	181	195
175	148	145	131	149	156
180	137	137	137	137	137