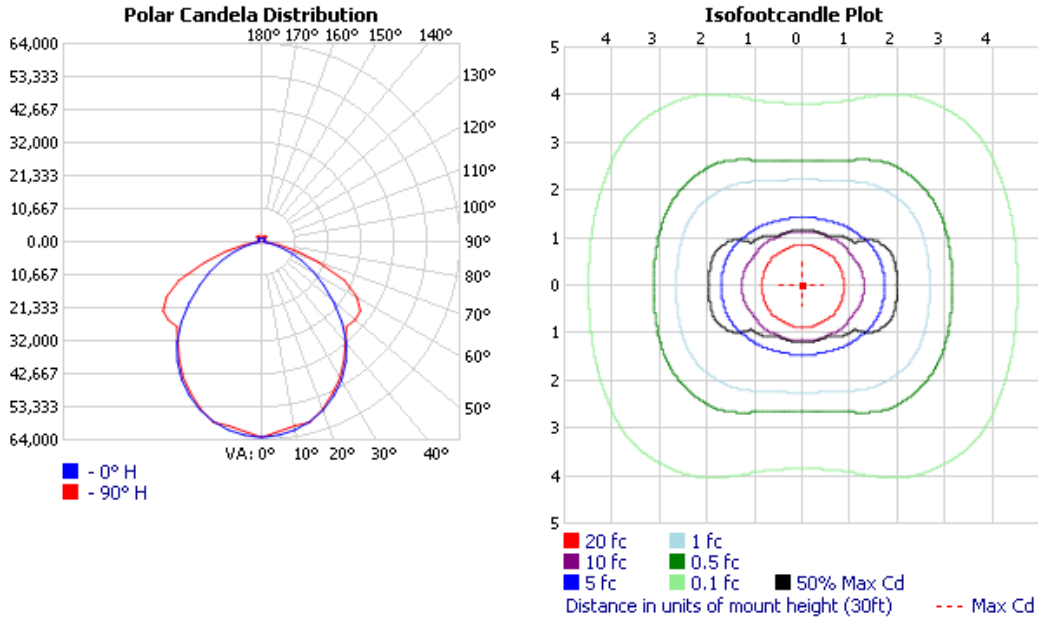


**INDOOR PHOTOMETRIC REPORT**

CATALOG: LUX-IK10P-L-8-TA-HO3-850-4-U10-CA4

MANUFACTURER: LUX DYNAMICS  
TEST #: L051805424  
TEST LAB: LIGHT LABORATORY, INC. (WWW.LIGHTLABORATORY.COM)  
CATALOG: LUX-IK10P-L-8-TA-HO3-850-4-U10-CA4  
DESCRIPTION: 8-BAR, 3-CHANNEL, HIGH LUMEN, ACRYLIC LENS, 4'  
LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 181742, **ABSOLUTE PHOTOMETRY \***  
BALLAST / DRIVER: OSRAM OPTOTRONIC OTI 85/120-277/2A3 DIM L (16 DRIVERS)  
INPUT WATTAGE: 1326.4  
LUMINOUS OPENING: RECTANGLE (L: 45.96", W: 32.52")  
CIE CLASS: DIRECT  
MAX CD: 63,126.0 AT HORIZONTAL: 0°, VERTICAL: 0°



**\*TEST BASED ON ABSOLUTE PHOTOMETRY WHERE LAMP LUMENS=LUMENS TOTAL.  
\*CUTOFF CLASSIFICATION AND EFFICIENCY CANNOT BE PROPERLY CALCULATED FOR ABSOLUTE PHOTOMETRY.**

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**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	% LUMINAIRE
0-30	47,770.0	26.3%
0-40	77,114.8	42.4%
0-60	134,678.8	74.1%
60-90	38,897.3	21.4%
70-100	16,430.4	9%
90-120	2,392.0	1.3%
0-90	173,576.2	95.5%
90-180	8,165.8	4.5%
0-180	181,742.0	100%

**LUMENS PER ZONE**

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	5,872.8	3.2%	90-100	592.4	0.3%
10-20	16,794.2	9.2%	100-110	722.5	0.4%
20-30	25,103.0	13.8%	110-120	1,077.1	0.6%
30-40	29,344.8	16.1%	120-130	1,524.8	0.8%
40-50	29,503.9	16.2%	130-140	1,645.0	0.9%
50-60	28,060.1	15.4%	140-150	1,258.2	0.7%
60-70	23,059.3	12.7%	150-160	814.0	0.4%
70-80	12,669.0	7.0%	160-170	412.2	0.2%
80-90	3,169.0	1.7%	170-180	119.6	0.1%

**LCS TABLE**

**BUG RATING**

**B5 - U5 - G5**

FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	23,897.4	13.1%
MEDIUM(30-60):	43,472.7	23.9%
HIGH(60-80):	17,871.2	9.8%
VERY HIGH(80-90):	1,585.1	0.9%
<b>BACK LIGHT</b>		
LOW(0-30):	23,897.4	13.1%
MEDIUM(30-60):	43,472.7	23.9%
HIGH(60-80):	17,871.2	9.8%
VERY HIGH(80-90):	1,585.1	0.9%
<b>UPLIGHT</b>		
LOW(90-100):	592.3	0.3%
HIGH(100-180):	7,572.7	4.2%
<b>TRAPPED LIGHT:</b>	0.000	0%

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.96	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96	.96	.96	
1	1.08	1.03	.98	.95	1.04	1.00	.96	.80	.95	.92	.89	.90	.88	.85	.86	.84	.82	.80	.80	.80	
2	.98	.89	.83	.77	.95	.87	.81	.67	.83	.78	.73	.79	.75	.71	.75	.72	.68	.66	.66	.66	
3	.89	.78	.70	.64	.86	.76	.69	.57	.73	.66	.61	.69	.64	.59	.66	.62	.58	.55	.55	.55	
4	.81	.69	.60	.54	.79	.68	.59	.49	.65	.58	.52	.62	.56	.51	.59	.54	.50	.47	.47	.47	
5	.75	.62	.53	.46	.72	.60	.52	.43	.58	.50	.45	.55	.49	.44	.53	.48	.43	.41	.41	.41	
6	.69	.56	.47	.40	.67	.54	.46	.37	.52	.45	.39	.50	.44	.39	.48	.42	.38	.36	.36	.36	
7	.64	.50	.42	.36	.62	.49	.41	.33	.47	.40	.35	.46	.39	.34	.44	.38	.34	.32	.32	.32	
8	.60	.46	.38	.32	.58	.45	.37	.30	.43	.36	.31	.42	.35	.31	.40	.34	.30	.28	.28	.28	
9	.56	.42	.34	.29	.54	.41	.34	.27	.40	.33	.28	.39	.32	.28	.37	.31	.27	.25	.25	.25	
10	.52	.39	.31	.26	.51	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23	.23	.23	

