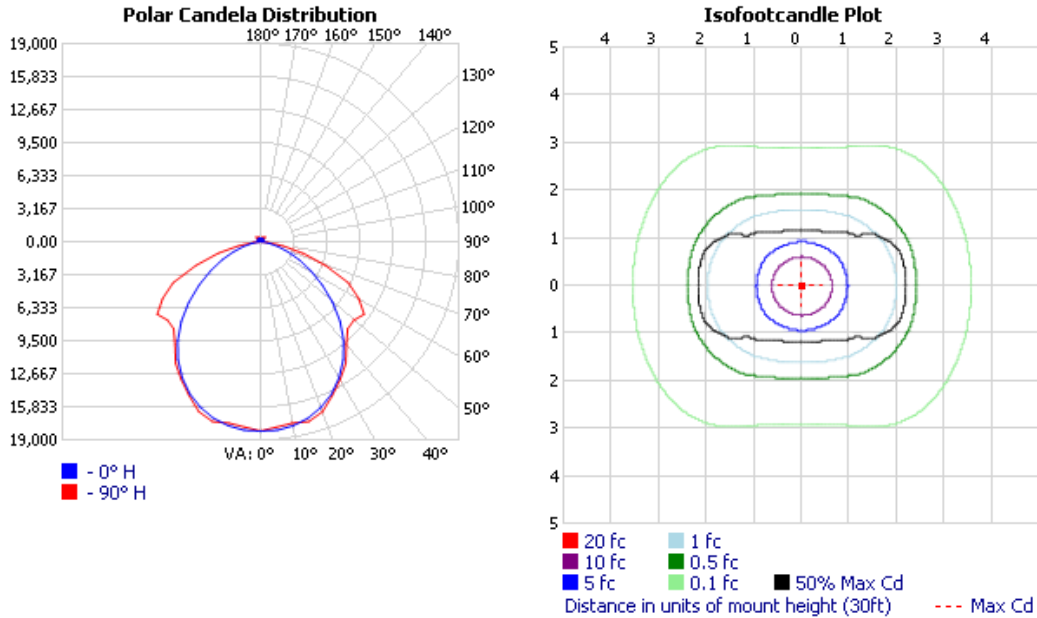


INDOOR PHOTOMETRIC REPORT

CATALOG: LUX-IK10P-E-9-DA-HO3-850-2-U10-CA2

MANUFACTURER: LUX DYNAMICS
TEST #: L051800509
TEST LAB: LIGHT LABORATORY, INC. (WWW.LIGHTLABORATORY.COM)
CATALOG: LUX-IK10P-E-9-DA-HO3-850-2-U10-CA2
DESCRIPTION: 9-BAR, 2-CHANNEL, HIGH EFFICACY, ACRYLIC LENS, 2'
LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 54144.4, **ABSOLUTE PHOTOMETRY ***
BALLAST / DRIVER: OSRAM OPTOTRONIC OTI 85/120-277/2A3 DIM L (5 DRIVERS)
INPUT WATTAGE: 349.78
LUMINOUS OPENING: RECTANGLE (L: 22.92", W: 26.52")
CIE CLASS: DIRECT
MAX CD: 18,145.0 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	14,083.2	26%
0-40	22,838.3	42.2%
0-60	40,160.7	74.2%
60-90	12,052.1	22.3%
70-100	5,141.2	9.5%
90-120	415.0	0.8%
0-90	52,212.8	96.4%
90-180	1,931.6	3.6%
0-180	54,144.4	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,704.7	3.1%	90-100	91.2	0.2%
10-20	4,930.3	9.1%	100-110	117.0	0.2%
20-30	7,448.2	13.8%	110-120	206.8	0.4%
30-40	8,755.1	16.2%	120-130	362.7	0.7%
40-50	8,855.2	16.4%	130-140	449.5	0.8%
50-60	8,467.1	15.6%	140-150	348.4	0.6%
60-70	7,002.2	12.9%	150-160	228.9	0.4%
70-80	3,993.3	7.4%	160-170	102.1	0.2%
80-90	1,056.6	2.0%	170-180	25.0	0%

LCS TABLE

BUG RATING

B5 - U5 - G4

FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	7,044.7	13%
MEDIUM(30-60):	13,044.1	24.1%
HIGH(60-80):	5,499.8	10.2%
VERY HIGH(80-90):	528.5	1%
BACK LIGHT		
LOW(0-30):	7,044.7	13%
MEDIUM(30-60):	13,044.1	24.1%
HIGH(60-80):	5,499.8	10.2%
VERY HIGH(80-90):	528.5	1%
UPLIGHT		
LOW(90-100):	91.2	0.2%
HIGH(100-180):	1,840.0	3.4%
TRAPPED LIGHT:	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	0	50	30	20	0	50	30	20	0	
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.96	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.96			
1	1.08	1.03	.98	.94	1.05	1.00	.96	.81	.95	.92	.89	.91	.88	.86	.87	.84	.82	.80			
2	.98	.89	.82	.76	.95	.87	.81	.68	.83	.78	.73	.79	.75	.71	.76	.72	.69	.66			
3	.89	.78	.70	.63	.86	.76	.69	.57	.73	.66	.61	.70	.64	.59	.66	.62	.58	.55			
4	.81	.69	.60	.53	.79	.67	.59	.49	.65	.57	.52	.62	.56	.51	.59	.54	.50	.47			
5	.75	.62	.53	.46	.72	.60	.52	.43	.58	.50	.45	.55	.49	.44	.53	.47	.43	.41			
6	.69	.55	.46	.40	.67	.54	.46	.37	.52	.45	.39	.50	.43	.38	.48	.42	.38	.36			
7	.64	.50	.41	.35	.62	.49	.41	.33	.47	.40	.34	.46	.39	.34	.44	.38	.33	.31			
8	.59	.46	.37	.31	.58	.45	.37	.30	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28			
9	.55	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25			
10	.52	.39	.31	.26	.51	.38	.31	.24	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23			

