

LUMINAIRE: KXL-24L-X-5K-5M
KxL Kemlux III Led, Extreme Environment
Kemlux III LED fixture
BALLAST: LED40W54C0700D
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 5711
WATTS: 58.20
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 3.75 90° = 3.78
LUMINOUS OPENING IN FEET
LENGTH: 1.00
WIDTH: 1.00
HEIGHT: 0.00

TEST #7092
DATE: 6/11/2013

TOTAL LUMINAIRE EFFICIENCY = 100.0
TOTAL LUMENS PER WATT = 98

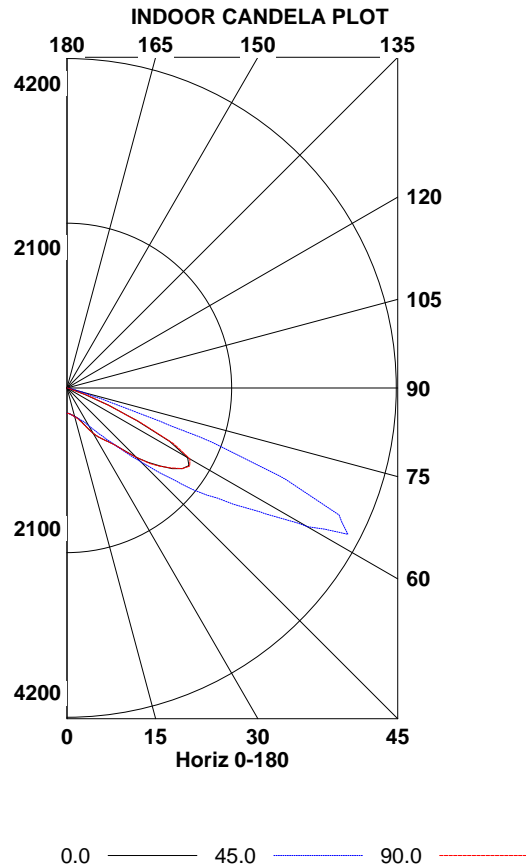
ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT
COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.45
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	374	6.5	6.5
0-40	873	15.3	15.3
0-60	3807	66.7	66.7
0-90	5711	100.0	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	5711	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M						
	0.0	20.0	40.0	60.0	80.0	90.0	
0	4413	4413	4413	4413	4413	4413	
30	10540	10112	8830	9574	10445	10524	
40	16907	18177	17121	17980	17408	16978	
45	24285	26456	25487	26127	25022	24208	
50	32984	37078	39508	37483	34349	33176	
55	42842	49676	59329	51587	45040	42866	
60	48708	61536	93633	72829	52408	49585	
65	31878	47249	121382	75365	37066	32559	
70	9377	11821	40913	12462	11941	11540	
75	1483	2118	7307	3018	1853	1747	
80	947	1184	1973	1421	1105	1105	
85	1101	944	1101	944	629	786	



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%				10%		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	108	102	97	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81	
2	95	85	77	71	92	83	76	70	80	74	68	76	71	66	73	69	65	63	
3	84	71	62	54	81	70	61	53	66	59	52	64	57	51	61	55	50	48	
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	
5	67	51	40	32	64	50	40	32	48	38	32	45	37	31	43	36	31	28	
6	60	44	33	26	58	43	33	25	41	32	25	39	31	25	37	30	25	22	
7	54	38	28	21	52	38	28	21	36	27	20	34	26	20	33	25	20	18	
8	50	34	24	17	48	33	24	17	32	23	17	30	22	17	29	22	17	14	
9	46	30	21	14	44	30	21	14	28	20	14	27	20	14	26	19	14	12	
10	43	27	18	12	41	27	18	12	26	18	12	25	17	12	24	17	12	10	

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.
ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.
THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

