

**LUMINAIRE:** KXL-36L-X-5K-N  
KxL Kemlux III Led, Extreme Environment  
Kemlux III LED fixture  
**BALLAST:** LED40W54C0700D  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 9019  
**WATTS:** 85.40  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 0.98 90° = 0.98  
**LUMINOUS OPENING IN FEET**  
LENGTH: 1.00  
WIDTH: 1.00  
HEIGHT: 0.00

TEST #7099  
DATE: 6/12/2013

**TOTAL LUMINAIRE EFFICIENCY = 100.0**  
**TOTAL LUMENS PER WATT = 106**

**ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT INTENSIVE USE**  
**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.26**  
**BASED ON 3000 HRS. AND \$.08 PER KWH**

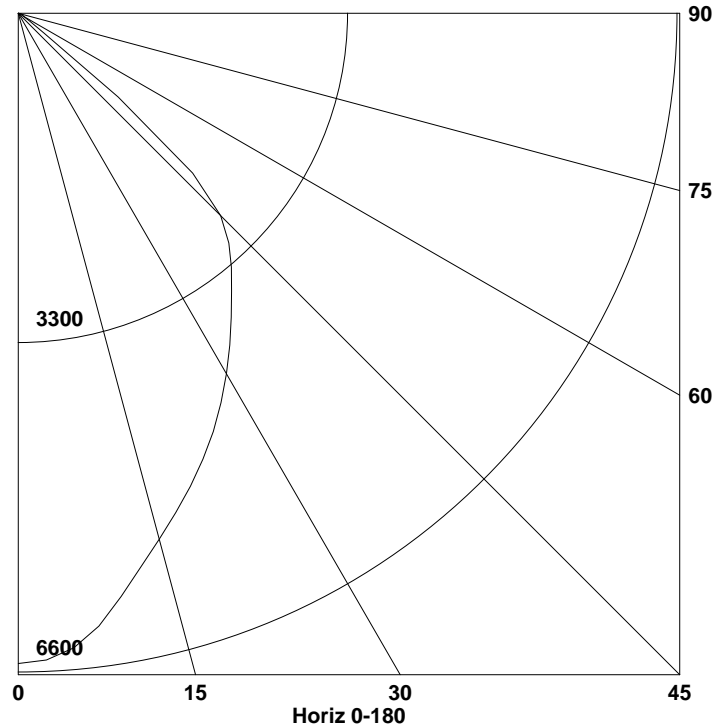
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	4262	47.3	47.3
0-40	6596	73.1	73.1
0-60	8920	98.9	98.9
0-90	9019	100.0	100.0
0-180	9019	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	0.0
0	89261
30	65975
40	59397
45	55568
50	27867
55	3489
60	1754
65	1621
70	1683
75	1800
80	1973
85	1730

**INDOOR CANDELA PLOT**



**COEFFICIENTS OF UTILIZATION (%)**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

**ZONAL CAVITY METHOD**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	80%				70%				50%				30%					
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
R 4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
C 5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
R 6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55
7	76	65	58	53	75	65	58	53	63	57	53	62	57	52	61	56	52	51
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

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: \_\_\_\_\_



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**CANDELA VALUES**

<b>ANGLE</b>	<b>0.0</b>
0.0	6513*
2.5	6485
5.0	6381
7.5	6192
10.0	5932
12.5	5678
15.0	5454
17.5	5244
20.0	5042
22.5	4834
25.0	4623
27.5	4398
30.0	4169
32.5	3942
35.0	3718
37.5	3510
40.0	3320
42.5	3122
45.0	2867
47.5	2370
50.0	1307
52.5	326
55.0	146
57.5	83
60.0	64
62.5	56
65.0	50
67.5	47
70.0	42
72.5	38
75.0	34
77.5	30
80.0	25
82.5	19
85.0	11
87.5	4
90.0	0

\*MAXIMUM CANDELA VALUE



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**CANDELA VALUES**

**ANGLE**

- 0.0
- 2.5
- 5.0
- 7.5
- 10.0
- 12.5
- 15.0
- 17.5
- 20.0
- 22.5
- 25.0
- 27.5
- 30.0
- 32.5
- 35.0
- 37.5
- 40.0
- 42.5
- 45.0
- 47.5
- 50.0
- 52.5
- 55.0
- 57.5
- 60.0
- 62.5
- 65.0
- 67.5
- 70.0
- 72.5
- 75.0
- 77.5
- 80.0
- 82.5
- 85.0
- 87.5
- 90.0