

LUMINAIRE: KXL-18L-X-5K-N
KxL Kemlux III Led, Extreme Environment
Kemlux III LED fixture
BALLAST: LED40W54C0700D
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 4417
WATTS: 42.80
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.03 90° = 1.03
LUMINOUS OPENING IN FEET
LENGTH: 1.00
WIDTH: 1.00
HEIGHT: 0.00

TEST #7097

DATE: 6/11/2013

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 103

ANSI/IESNA RP-1-2004 COMPLIANCE: YES-VDT INTENSIVE USE

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.33

BASED ON 3000 HRS. AND \$.08 PER KWH

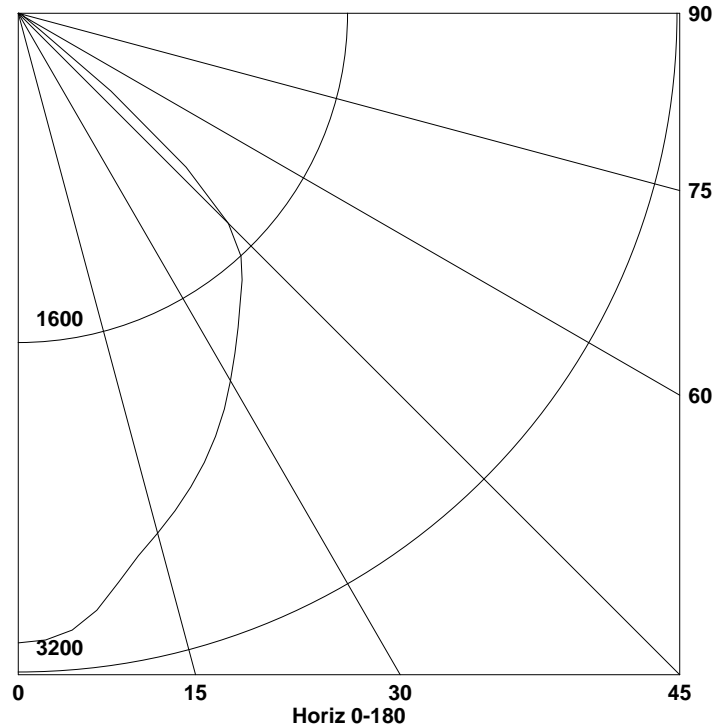
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	2062	46.7	46.7
0-40	3231	73.2	73.2
0-60	4366	98.8	98.8
0-90	4417	100.0	100.0
0-180	4417	100.0	100.0

AVERAGE LUMINANCE

ANGLE	0.0
0	41910
30	32616
40	30253
45	27968
50	12516
55	1434
60	850
65	843
70	882
75	953
80	1026
85	1101

INDOOR CANDELA PLOT



0.0 ———

COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

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	86	84	83	
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	
R	4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
C	5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61
R	6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
	7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
	8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46
	9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42
	10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	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

ANGLE	0.0
0.0	3058*
2.5	3047
5.0	3007
7.5	2924
10.0	2806
12.5	2698
15.0	2614
17.5	2533
20.0	2449
22.5	2361
25.0	2267
27.5	2167
30.0	2061
32.5	1958
35.0	1862
37.5	1770
40.0	1691
42.5	1601
45.0	1443
47.5	1106
50.0	587
52.5	135
55.0	60
57.5	38
60.0	31
62.5	28
65.0	26
67.5	24
70.0	22
72.5	20
75.0	18
77.5	15
80.0	13
82.5	10
85.0	7
87.5	3
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