

**LUMINAIRE:** LXEW4-50M-FAN-EU  
 LXEW Led Enclosed and Gasketed, Extreme Environment  
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & FA  
 Data Scaled from Test# 17.01502 Refractor  
**BALLAST:** XI190C275V054BSG1  
**BALLAST FACTOR:** 1.00  
**LAMP:** LED  
**FIXTURE LUMENS:** 16096  
**WATTS:** 121.40  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.23 90° = 0.97  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.17  
 WIDTH: 1.08  
 HEIGHT: 0.23

TEST #18907

DATE: 5/23/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 133**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.80**

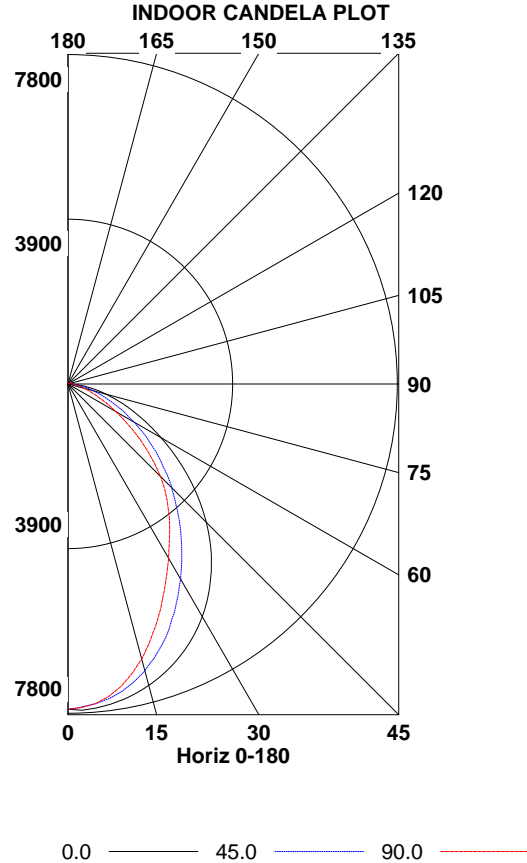
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5479	34.0	34.0
0-40	8521	52.9	52.9
0-60	13513	84.0	84.0
0-90	15805	98.2	98.2
90-120	237	1.5	1.5
90-130	271	1.7	1.7
90-150	291	1.8	1.8
90-180	291	1.8	1.8
0-180	16096	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	18408	18408	18408	18408	18408
30	17005	15406	13278	11975	11708
40	15754	13464	10950	9894	9701
45	14835	12297	9877	8862	8647
50	13722	11066	8759	7681	7310
55	12488	9787	7657	6369	5879
60	11122	8503	6517	5074	4592
65	9760	7302	5412	3955	3494
70	8502	6148	4360	3034	2667
75	7206	4993	3385	2317	2043
80	5756	3726	2514	1761	1590
85	4188	2542	1818	1351	1262



**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	110	110	110	105	105	105	100	100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	85	85
2	101	93	87	82	98	91	85	81	87	83	79	84	80	77	81	77	75	72	72
3	93	83	75	70	90	81	74	69	78	72	67	75	70	66	72	68	65	63	63
R	4	85	74	66	60	83	73	65	60	70	64	59	68	62	58	65	61	57	55
C	5	79	67	59	53	77	66	58	52	64	57	51	61	55	51	60	54	50	48
R	6	73	61	52	47	71	60	52	46	58	51	46	56	50	45	54	49	45	43
	7	68	56	47	42	66	55	47	41	53	46	41	51	45	41	50	44	40	38
	8	64	51	43	37	62	50	43	37	49	42	37	47	41	37	46	41	36	35
	9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
	10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29

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: \_\_\_\_\_

**LUMINAIRE: LXEW4-50M-FAN-EU**

LXEW Led Enclosed and Gasketed, Extreme Environment  
4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & FA  
Data Scaled from Test# 17.01502 Refractor

TEST #18907  
DATE: 5/23/2017

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7702	7702	7702	7702	7702
2.5	7732*	7702	7653	7668	7668
5.0	7699	7664	7599	7592	7590
7.5	7649	7601	7510	7470	7453
10.0	7581	7518	7387	7305	7264
12.5	7490	7412	7223	7079	7017
15.0	7388	7282	7029	6825	6742
17.5	7266	7125	6799	6538	6417
20.0	7118	6946	6541	6210	6085
22.5	6958	6744	6265	5875	5745
25.0	6782	6524	5964	5542	5392
27.5	6576	6276	5643	5207	5068
30.0	6358	6009	5338	4885	4764
32.5	6120	5731	5014	4586	4465
35.0	5851	5431	4692	4295	4198
37.5	5576	5108	4381	4018	3940
40.0	5283	4795	4068	3751	3665
42.5	4957	4460	3758	3477	3392
45.0	4631	4120	3476	3193	3103
47.5	4293	3787	3184	2899	2782
50.0	3933	3446	2888	2602	2465
52.5	3582	3118	2615	2296	2153
55.0	3233	2793	2335	2004	1840
57.5	2876	2481	2070	1720	1564
60.0	2549	2187	1811	1462	1315
62.5	2237	1916	1567	1233	1087
65.0	1930	1658	1346	1026	900
67.5	1656	1423	1134	843	737
70.0	1401	1200	949	694	605
72.5	1157	994	778	567	495
75.0	941	808	626	455	397
77.5	740	632	495	364	319
80.0	549	474	379	286	255
82.5	386	341	283	220	200
85.0	249	233	210	172	158
87.5	148	157	155	134	126
90.0	108	116	120	108	102
92.5	102	98	98	91	86
95.0	98	91	86	80	77
97.5	96	88	82	76	73
100.0	94	82	79	75	73
102.5	90	78	77	75	74
105.0	84	74	75	75	74
107.5	78	69	72	74	74
110.0	71	63	69	72	73
112.5	64	55	66	70	71
115.0	55	48	60	66	69
117.5	48	41	55	63	66
120.0	41	33	50	58	63
122.5	34	27	45	54	58
125.0	28	22	39	49	54
127.5	23	17	32	44	49
130.0	20	14	27	39	44
132.5	16	11	22	33	39
135.0	14	9	17	29	33
137.5	11	8	13	25	29
140.0	9	6	8	20	25
142.5	7	5	5	16	20
145.0	5	4	3	11	16
147.5	4	3	2	8	11
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

\*MAXIMUM CANDELA VALUE