

**LUMINAIRE:** LXEW4-40M-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:** 15679  
**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 #18831

DATE: 5/23/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 129**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.85**

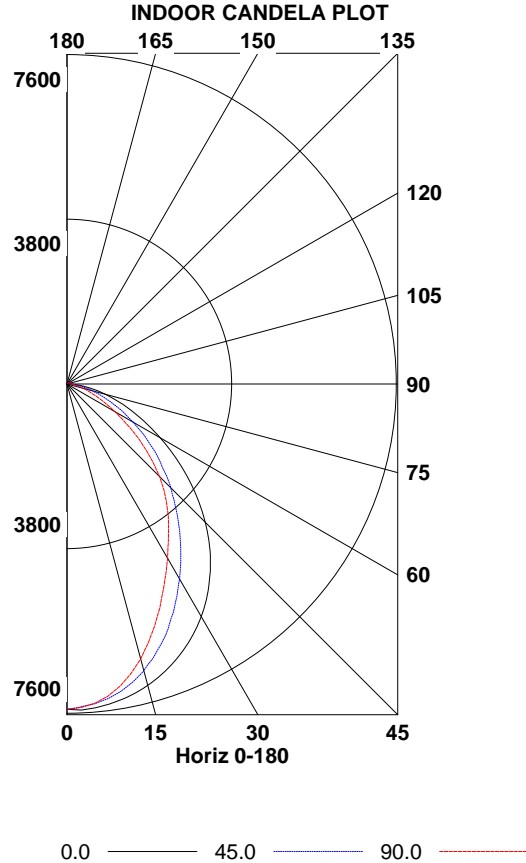
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5337	34.0	34.0
0-40	8300	52.9	52.9
0-60	13163	84.0	84.0
0-90	15396	98.2	98.2
90-120	230	1.5	1.5
90-130	263	1.7	1.7
90-150	283	1.8	1.8
90-180	283	1.8	1.8
0-180	15679	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	17933	17933	17933	17933	17933
30	16567	15008	12935	11664	11406
40	15345	13116	10668	9639	9450
45	14450	11978	9621	8632	8424
50	13366	10781	8535	7480	7120
55	12168	9531	7460	6204	5726
60	10834	8282	6348	4942	4473
65	9508	7113	5271	3855	3405
70	8284	5989	4250	2955	2601
75	7023	4863	3299	2261	1991
80	5609	3631	2447	1712	1552
85	4087	2476	1775	1312	1230



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																			
	RW	80%				70%				50%				30%				10%	0%	
		70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	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	85
2	101	93	87	82	98	91	85	81	87	83	79	84	80	77	81	77	75	72	72	72
3	93	83	75	70	90	81	74	69	78	72	67	75	70	66	72	68	65	63	63	63
R	4	85	74	66	60	83	73	65	60	70	64	59	68	62	58	65	61	57	55	55
C	5	79	67	59	53	77	66	58	52	64	57	51	61	55	51	60	54	50	48	48
R	6	73	61	52	47	71	60	52	46	58	51	46	56	50	45	54	49	45	43	43
	7	68	56	47	42	66	55	47	41	53	46	41	51	45	41	50	44	40	38	38
	8	64	51	43	37	62	50	43	37	49	42	37	47	41	37	46	41	36	35	35
	9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31	31
	10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29	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: LXEW4-40M-FAN-EU**

LXEW Led Enclosed and Gasketed, Extreme Environment  
4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & FA  
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DATE: 5/23/2017

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7503	7503	7503	7503	7503
2.5	7531*	7503	7455	7469	7469
5.0	7500	7465	7402	7395	7393
7.5	7451	7404	7315	7277	7260
10.0	7384	7323	7195	7116	7076
12.5	7296	7220	7036	6896	6835
15.0	7196	7093	6847	6648	6567
17.5	7078	6941	6623	6368	6250
20.0	6933	6766	6371	6049	5928
22.5	6778	6569	6102	5723	5596
25.0	6607	6355	5810	5399	5253
27.5	6406	6113	5497	5072	4937
30.0	6194	5854	5200	4758	4641
32.5	5961	5583	4884	4467	4349
35.0	5699	5290	4571	4184	4089
37.5	5431	4976	4267	3914	3838
40.0	5146	4671	3963	3654	3570
42.5	4828	4344	3661	3387	3304
45.0	4511	4013	3386	3110	3023
47.5	4182	3689	3102	2824	2710
50.0	3831	3357	2814	2534	2401
52.5	3490	3037	2548	2236	2097
55.0	3150	2720	2275	1952	1792
57.5	2801	2417	2017	1676	1524
60.0	2483	2130	1764	1424	1281
62.5	2179	1867	1527	1201	1059
65.0	1880	1615	1311	1000	877
67.5	1613	1386	1104	821	718
70.0	1365	1169	925	676	590
72.5	1127	968	758	552	482
75.0	917	787	610	444	387
77.5	721	616	482	354	311
80.0	535	462	369	278	249
82.5	376	332	276	214	195
85.0	243	227	205	167	154
87.5	144	153	151	131	123
90.0	106	113	117	106	99
92.5	99	95	95	88	84
95.0	95	88	84	78	75
97.5	93	85	80	74	71
100.0	91	80	77	73	71
102.5	87	76	75	73	72
105.0	82	72	73	73	72
107.5	76	67	70	72	72
110.0	69	61	67	70	71
112.5	62	54	64	68	69
115.0	54	47	59	64	67
117.5	47	40	54	61	64
120.0	40	32	49	57	61
122.5	34	26	44	53	57
125.0	27	21	38	48	53
127.5	22	16	31	43	48
130.0	19	13	26	38	43
132.5	15	11	21	32	38
135.0	13	9	16	28	32
137.5	11	8	12	24	28
140.0	9	6	8	19	24
142.5	7	5	5	15	19
145.0	5	4	3	11	15
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