

**LUMINAIRE:** LXEW4-30M-CPN-EU  
 LXEW Led Enclosed and Gasketed, Extreme Environment  
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & CP  
 Data Scaled from Test# 17.01503 Refractor  
**BALLAST:** XI190C275V054BSG1  
**BALLAST FACTOR:** 1.00  
**LAMP:** LED  
**FIXTURE LUMENS:** 14927  
**WATTS:** 121.40  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.27 90° = 0.91  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.00  
 WIDTH: 2.00  
 HEIGHT: 0.29

TEST #18827

DATE: 5/23/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 123**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.95**

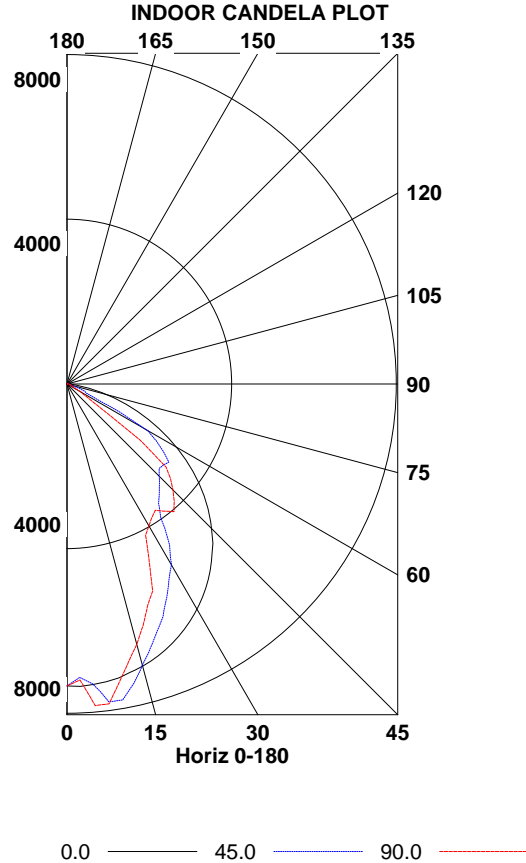
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5369	36.0	36.0
0-40	8230	55.1	55.1
0-60	13353	89.5	89.5
0-90	14806	99.2	99.2
90-120	102	0.7	0.7
90-130	113	0.8	0.8
90-150	121	0.8	0.8
90-180	121	0.8	0.8
0-180	14927	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	9866	9866	9866	9866	9866
30	9420	8846	7245	5722	5709
40	9062	7631	5428	5735	6336
45	8807	6969	5220	6064	6041
50	8472	6221	5406	5614	5601
55	7954	4952	5495	3769	1679
60	7328	4471	4809	1081	841
65	6505	3981	1245	345	389
70	5410	3282	954	368	414
75	4079	1470	426	269	229
80	2625	1285	281	263	251
85	1477	714	308	347	401



**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	101	101	101	101	99
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	77	75	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	66
R	4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57
C	5	80	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
R	6	75	63	54	49	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40	40
8	65	53	45	39	64	52	44	39	50	44	39	49	43	39	48	42	38	37	37
9	61	48	41	36	60	48	41	36	47	40	35	46	39	35	45	39	35	33	33
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30

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: LXEW4-30M-CPN-EU**

LXEW Led Enclosed and Gasketed, Extreme Environment  
4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & CP  
Data Scaled from Test# 17.01503 Refractor

TEST #18827  
DATE: 5/23/2017

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7333	7333	7333	7333	7333
2.5	7352	7274	7133	7153	7193
5.0	7325	7157	7322	7698	7841
7.5	7292	7145	7788	<b>7894*</b>	7834
10.0	7246	7322	7792	7480	7345
12.5	7165	7556	7459	7070	6904
15.0	7094	7662	7073	6671	6545
17.5	7008	7590	6727	6347	6153
20.0	6893	7366	6394	5935	5722
22.5	6773	7056	6103	5557	5441
25.0	6641	6733	5727	5264	4714
27.5	6476	6430	5360	4467	4133
30.0	6317	6096	5077	4027	3982
32.5	6123	5823	4635	3866	3837
35.0	5931	5507	3967	3727	3742
37.5	5708	5155	3651	3627	3893
40.0	5473	4791	3489	3708	4046
42.5	5244	4442	3323	3876	3852
45.0	4964	4111	3165	3702	3635
47.5	4694	3803	3034	3447	3412
50.0	4397	3406	3056	3199	3138
52.5	4069	2811	3113	2960	2227
55.0	3742	2480	2857	1978	864
57.5	3425	2249	2573	759	526
60.0	3065	2014	2263	514	391
62.5	2718	1788	1160	381	137
65.0	2361	1579	520	146	160
67.5	1993	1354	471	163	150
70.0	1649	1115	345	135	147
72.5	1299	915	176	158	109
75.0	997	412	129	83	68
77.5	719	322	104	65	72
80.0	478	281	68	65	59
82.5	297	213	61	55	60
85.0	175	111	55	64	69
87.5	103	65	57	70	60
90.0	61	48	61	49	49
92.5	56	44	41	43	38
95.0	73	41	34	25	19
97.5	92	36	22	19	20
100.0	97	37	22	21	20
102.5	95	40	24	21	20
105.0	86	42	23	21	19
107.5	77	40	22	20	19
110.0	67	37	19	18	17
112.5	57	34	18	16	16
115.0	49	30	16	15	15
117.5	41	26	15	13	15
120.0	34	22	13	11	12
122.5	28	18	12	10	11
125.0	23	15	11	9	10
127.5	18	12	9	9	9
130.0	15	10	9	9	10
132.5	12	8	10	8	9
135.0	10	7	9	9	9
137.5	8	5	6	11	10
140.0	6	5	4	10	13
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
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