

**LUMINAIRE:** LXEW4-50HV-FAN-EU  
 LXEW Led Enclosed and Gasketed, Extreme Environment  
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & FA  
 Data Scaled from Test# 17.01514 Refractor  
**BALLAST:** XI095C275V054BSF1  
**BALLAST FACTOR:** 1.00  
**LAMP:** LED  
**FIXTURE LUMENS:** 24565  
**WATTS:** 187.90  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.23 90° = 0.99  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.17  
 WIDTH: 1.25  
 HEIGHT: 0.23

TEST #18869

DATE: 5/26/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 131**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.83**

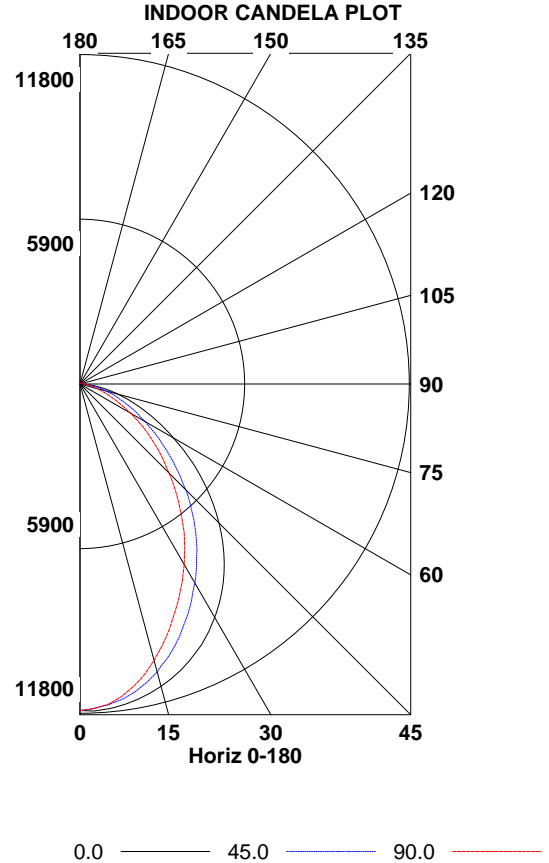
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8361	34.0	34.0
0-40	13041	53.1	53.1
0-60	20607	83.9	83.9
0-90	24132	98.2	98.2
90-120	352	1.4	1.4
90-130	402	1.6	1.6
90-150	432	1.8	1.8
90-180	433	1.8	1.8
0-180	24565	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	24152	24152	24152	24152	24152
30	22293	20376	17872	16422	16089
40	20663	17916	14986	13205	12794
45	19471	16475	13377	11529	11131
50	18081	14895	11716	9970	9636
55	16470	13173	10095	8482	8091
60	14601	11470	8612	7038	6527
65	12877	9786	7286	5646	5133
70	11131	8223	6002	4418	3954
75	9363	6683	4764	3381	3042
80	7491	4994	3588	2568	2398
85	5188	3394	2577	2002	1924



**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	46	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: LXEW4-50HV-FAN-EU**

LXEW Led Enclosed and Gasketed, Extreme Environment  
4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & FA  
Data Scaled from Test# 17.01514 Refractor

TEST #18869  
DATE: 5/26/2017

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11696	11696	11696	11696	11696
2.5	11728*	11697	11625	11638	11641
5.0	11679	11641	11541	11525	11520
7.5	11602	11545	11401	11329	11298
10.0	11503	11414	11211	11068	11007
12.5	11367	11253	10963	10739	10659
15.0	11205	11051	10665	10366	10243
17.5	11032	10815	10331	9944	9807
20.0	10809	10549	9962	9505	9350
22.5	10559	10242	9545	9032	8865
25.0	10304	9904	9125	8566	8406
27.5	9992	9543	8680	8114	7948
30.0	9647	9144	8227	7647	7464
32.5	9305	8717	7765	7172	6991
35.0	8900	8280	7307	6696	6502
37.5	8465	7811	6826	6195	5979
40.0	8020	7323	6348	5684	5479
42.5	7551	6834	5853	5191	4996
45.0	7035	6326	5355	4702	4513
47.5	6521	5811	4857	4238	4075
50.0	5998	5307	4382	3810	3657
52.5	5440	4794	3913	3395	3232
55.0	4935	4293	3481	2999	2838
57.5	4394	3820	3073	2621	2459
60.0	3873	3361	2696	2268	2084
62.5	3397	2928	2348	1932	1759
65.0	2947	2524	2032	1629	1465
67.5	2510	2160	1733	1351	1200
70.0	2123	1816	1456	1116	986
72.5	1764	1508	1207	906	802
75.0	1415	1217	974	726	643
77.5	1109	952	767	575	518
80.0	827	709	591	450	412
82.5	566	510	441	347	321
85.0	357	342	319	269	252
87.5	209	224	238	209	201
90.0	147	163	180	167	162
92.5	140	135	145	140	137
95.0	138	126	127	124	121
97.5	137	121	121	118	115
100.0	134	116	117	117	115
102.5	130	109	115	118	117
105.0	123	104	111	118	118
107.5	115	97	107	117	119
110.0	104	88	102	114	118
112.5	93	78	96	109	115
115.0	81	69	89	104	110
117.5	70	58	81	98	104
120.0	59	49	73	90	98
122.5	50	40	64	82	90
125.0	41	30	55	74	82
127.5	33	24	47	65	74
130.0	27	20	39	57	66
132.5	23	17	31	50	57
135.0	19	14	24	43	50
137.5	16	11	18	36	43
140.0	13	9	13	29	35
142.5	10	7	7	23	29
145.0	8	6	3	18	23
147.5	6	4	3	11	17
150.0	4	3	3	6	11
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