

LUMINAIRE: LXEW4-50HV-CAN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CA
 Data Scaled from Test# 17.01516 Refractor
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 24739
WATTS: 187.90
MOUNTING: Surface
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.30 90° = 1.00
LUMINOUS OPENING IN FEET
 LENGTH: 4.17
 WIDTH: 1.08
 HEIGHT: 0.23

TEST #18862

DATE: 5/26/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 132

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.82

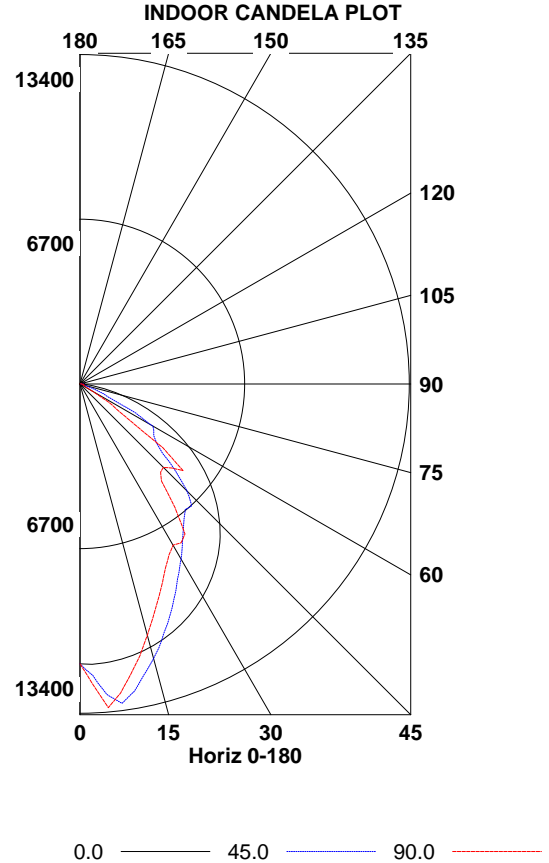
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8795	35.6	35.6
0-40	13743	55.6	55.6
0-60	22042	89.1	89.1
0-90	24537	99.2	99.2
90-120	170	0.7	0.7
90-130	190	0.8	0.8
90-150	202	0.8	0.8
90-180	202	0.8	0.8
0-180	24739	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	27209	27209	27209	27209	27209
30	26682	25530	20472	18712	18607
40	26218	21767	17935	15961	13666
45	25762	19992	17469	12889	13367
50	25026	18292	13278	13886	16237
55	23887	16984	12008	11775	6176
60	22345	15502	12343	4491	2347
65	20204	11804	5215	1129	943
70	17356	8900	2486	739	679
75	13524	3479	844	647	643
80	8849	3710	670	646	667
85	4878	1516	771	1241	1014



COEFFICIENTS OF UTILIZATION (%)

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	80%				70%				50%				30%					
	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%		
RW	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	77	73	69	75	71	68	65
R	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59	57
C	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
R	75	62	54	48	73	62	54	48	60	53	48	58	52	47	56	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	44	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

ZONAL CAVITY METHOD

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-CAN-EU

LXEW Led Enclosed and Gasketed, Extreme Environment
4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CA
Data Scaled from Test# 17.01516 Refractor

TEST #18862
DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11384	11384	11384	11384	11384
2.5	11413	11609	11863	12137	12248
5.0	11385	11911	12689	13176	13216*
7.5	11341	12302	13101	12840	12675
10.0	11268	12710	12703	12121	11966
12.5	11185	12890	12089	11487	11298
15.0	11079	12762	11564	10837	10584
17.5	10958	12427	10987	10181	9917
20.0	10796	11958	10394	9557	9311
22.5	10633	11458	9816	8974	8755
25.0	10440	10985	9242	8478	8239
27.5	10217	10483	8697	7996	7842
30.0	9976	9958	8230	7633	7571
32.5	9712	9435	7758	7365	7657
35.0	9436	8872	7322	7499	7443
37.5	9138	8311	6946	7062	6345
40.0	8792	7752	6663	6051	5163
42.5	8434	7206	6728	4932	4854
45.0	8042	6698	6148	4644	4797
47.5	7613	6198	5326	4534	5054
50.0	7173	5696	4378	4704	5475
52.5	6703	5228	3912	5131	4241
55.0	6184	4847	3662	3705	1933
57.5	5660	4487	3554	1687	1409
60.0	5121	3987	3430	1294	672
62.5	4548	3417	2551	620	294
65.0	3995	2680	1297	293	243
67.5	3438	2110	1064	244	201
70.0	2860	1737	541	169	154
72.5	2301	1325	267	144	143
75.0	1766	563	156	127	125
77.5	1256	356	119	113	115
80.0	844	472	101	105	107
82.5	524	325	91	116	159
85.0	290	139	89	158	127
87.5	148	81	135	84	82
90.0	60	66	74	68	67
92.5	68	75	55	63	55
95.0	141	58	50	39	39
97.5	193	48	39	36	38
100.0	192	43	38	43	45
102.5	182	46	39	46	47
105.0	165	58	36	44	48
107.5	142	60	33	41	43
110.0	119	54	30	38	40
112.5	99	50	28	33	35
115.0	82	46	28	32	33
117.5	67	41	26	28	31
120.0	54	35	23	24	27
122.5	44	28	20	22	24
125.0	34	22	18	21	23
127.5	27	16	16	19	22
130.0	20	11	14	19	20
132.5	15	8	11	17	20
135.0	10	7	9	15	18
137.5	8	6	8	13	16
140.0	7	5	7	11	14
142.5	6	5	5	10	11
145.0	5	5	4	8	10
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