

LUMINAIRE: LXEW4-50HV-CPN-EU
 LXEW Led Enclosed and Gasketed, Extreme Environment
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CP
 Data Scaled from Test# 17.01517 Refractor
BALLAST: XI095C275V054BSF1
BALLAST FACTOR: 1.00
LAMP: LED
FIXTURE LUMENS: 24521
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 #18865

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 = \$1.85

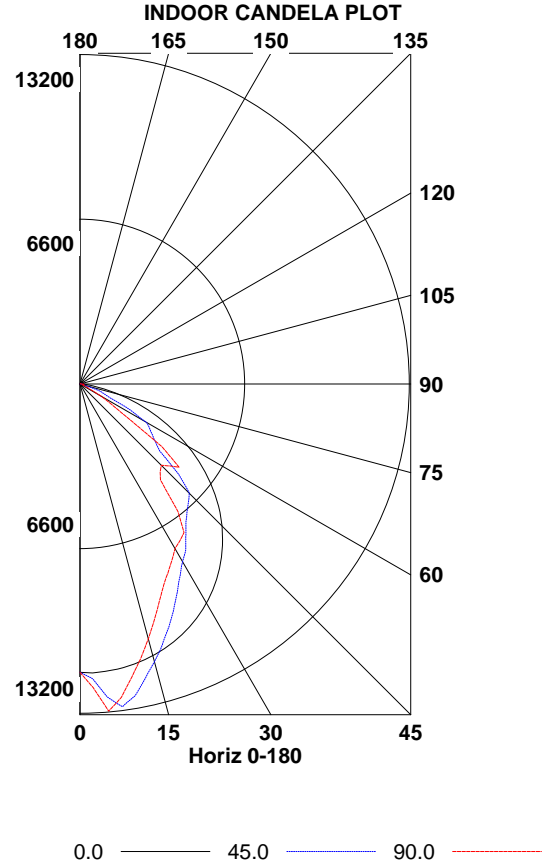
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8806	35.9	35.9
0-40	13751	56.1	56.1
0-60	21900	89.3	89.3
0-90	24340	99.3	99.3
90-120	156	0.6	0.6
90-130	174	0.7	0.7
90-150	182	0.7	0.7
90-180	182	0.7	0.7
0-180	24521	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	27612	27612	27612	27612	27612
30	27097	25420	20440	18879	18722
40	26415	21733	17962	16072	13269
45	25781	20144	17585	12581	12838
50	24834	18225	12611	13180	15368
55	23562	16490	11598	11346	7058
60	21825	14969	11080	4394	3464
65	19577	11306	5508	1723	1184
70	16603	8187	4080	686	578
75	12245	3269	936	499	499
80	7811	3050	570	517	549
85	4222	2171	623	1312	1294



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	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87	
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76	
3	94	85	78	72	92	83	77	72	80	75	70	78	73	69	75	71	68	66	
R	4	87	76	69	63	85	75	68	62	73	66	61	70	65	60	68	63	60	58
C	5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
R	6	75	63	55	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45
7	70	57	49	44	68	56	49	43	55	48	43	53	47	43	52	47	42	41	
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33	
10	57	45	38	33	56	44	37	33	43	37	32	43	36	32	42	36	32	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: LXEW4-50HV-CPN-EU

LXEW Led Enclosed and Gasketed, Extreme Environment
4' LED Enclosed and Gasketed High Bay w/ M4R Reflectors & CP
Data Scaled from Test# 17.01517 Refractor

TEST #18865
DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11553	11553	11553	11553	11553
2.5	11586	11721	11826	12087	12180
5.0	11555	11903	12597	13127	13163*
7.5	11521	12232	13041	12800	12668
10.0	11450	12621	12688	12100	11937
12.5	11372	12822	12084	11464	11257
15.0	11263	12694	11530	10795	10573
17.5	11146	12373	10962	10152	9904
20.0	10986	11911	10384	9512	9283
22.5	10817	11438	9793	8942	8744
25.0	10620	10958	9220	8471	8346
27.5	10379	10451	8684	8203	7972
30.0	10131	9915	8217	7701	7618
32.5	9854	9399	7881	7403	7446
35.0	9541	8834	7395	7228	7262
37.5	9207	8269	6974	7034	6459
40.0	8858	7740	6673	6093	5013
42.5	8455	7217	6432	4792	4756
45.0	8048	6749	6189	4533	4607
47.5	7609	6222	5370	4363	4858
50.0	7118	5675	4158	4465	5182
52.5	6631	5162	3816	4764	4166
55.0	6100	4706	3537	3570	2209
57.5	5551	4284	3310	1904	1413
60.0	5002	3850	3079	1266	992
62.5	4441	3282	2296	893	456
65.0	3871	2567	1370	447	305
67.5	3301	1939	1075	290	201
70.0	2736	1598	888	157	131
72.5	2145	1152	427	115	107
75.0	1599	529	173	98	97
77.5	1156	339	105	89	89
80.0	745	388	86	84	88
82.5	431	372	76	86	114
85.0	251	199	72	167	162
87.5	144	96	111	99	79
90.0	86	69	89	61	57
92.5	83	73	56	58	57
95.0	113	63	52	48	40
97.5	144	51	47	29	24
100.0	154	50	33	29	27
102.5	151	55	34	34	33
105.0	142	60	31	36	39
107.5	128	58	29	32	32
110.0	113	55	27	28	29
112.5	96	51	26	24	25
115.0	82	47	24	22	22
117.5	70	42	21	19	20
120.0	58	36	19	17	19
122.5	48	30	17	13	15
125.0	39	24	15	13	13
127.5	30	19	13	14	14
130.0	24	15	10	13	14
132.5	18	11	8	10	13
135.0	14	9	6	9	11
137.5	11	8	5	8	10
140.0	9	6	4	6	8
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