

LUMINAIRE: LXEW4-40HV-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: 23886
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 #18864

DATE: 5/26/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 127

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.89

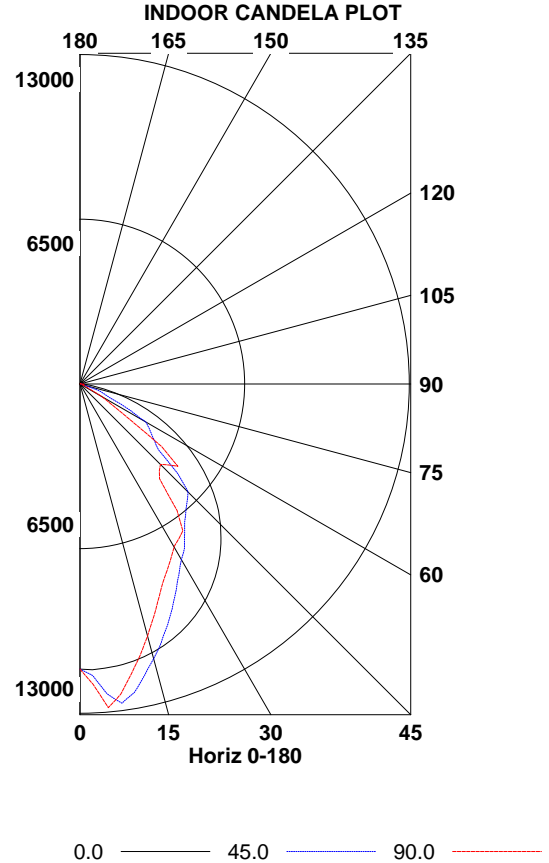
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	8578	35.9	35.9
0-40	13395	56.1	56.1
0-60	21333	89.3	89.3
0-90	23709	99.3	99.3
90-120	152	0.6	0.6
90-130	169	0.7	0.7
90-150	177	0.7	0.7
90-180	177	0.7	0.7
0-180	23886	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	26895	26895	26895	26895	26895
30	26396	24761	19910	18391	18238
40	25732	21169	17497	15655	12925
45	25115	19622	17131	12253	12504
50	24189	17752	12284	12838	14970
55	22952	16063	11297	11050	6876
60	21258	14581	10792	4279	3373
65	19071	11015	5368	1677	1153
70	16173	7977	3974	669	564
75	11931	3189	909	484	484
80	7612	2971	557	505	530
85	4121	2116	606	1273	1254



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

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: LXEW4-40HV-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

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DATE: 5/26/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	11253	11253	11253	11253	11253
2.5	11286	11418	11519	11774	11864
5.0	11255	11594	12270	12787	12821*
7.5	11223	11915	12703	12468	12339
10.0	11153	12294	12360	11786	11628
12.5	11078	12490	11771	11167	10965
15.0	10971	12365	11231	10515	10299
17.5	10857	12052	10678	9889	9648
20.0	10701	11602	10114	9266	9043
22.5	10537	11142	9539	8711	8518
25.0	10345	10674	8981	8252	8130
27.5	10110	10180	8459	7990	7766
30.0	9869	9658	8004	7502	7421
32.5	9599	9155	7676	7212	7253
35.0	9293	8605	7203	7041	7074
37.5	8969	8055	6793	6851	6292
40.0	8629	7539	6500	5935	4883
42.5	8236	7030	6266	4668	4632
45.0	7840	6574	6029	4415	4487
47.5	7412	6061	5231	4250	4732
50.0	6933	5528	4050	4349	5048
52.5	6459	5028	3717	4641	4058
55.0	5942	4584	3445	3477	2152
57.5	5407	4173	3225	1854	1376
60.0	4872	3750	2999	1233	966
62.5	4326	3197	2236	870	445
65.0	3771	2501	1335	435	297
67.5	3216	1889	1047	282	196
70.0	2665	1557	865	153	128
72.5	2090	1123	416	112	105
75.0	1558	516	168	95	94
77.5	1126	330	103	86	86
80.0	726	378	84	82	85
82.5	420	362	74	84	111
85.0	245	194	70	162	157
87.5	140	93	109	96	77
90.0	84	67	86	60	56
92.5	81	71	55	57	56
95.0	110	61	51	47	39
97.5	140	50	46	28	23
100.0	150	49	32	28	26
102.5	147	54	34	34	32
105.0	138	59	30	36	38
107.5	125	57	28	31	31
110.0	110	54	26	27	28
112.5	93	50	25	23	24
115.0	80	46	23	21	21
117.5	68	41	20	18	19
120.0	57	36	18	16	18
122.5	47	29	16	12	14
125.0	38	23	14	12	12
127.5	29	18	12	13	13
130.0	23	14	10	12	13
132.5	17	11	8	10	12
135.0	13	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