

**LUMINAIRE:** LXEW4-50M-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:** 16084  
**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 #18829

DATE: 5/23/2017

**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 = \$1.80**

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

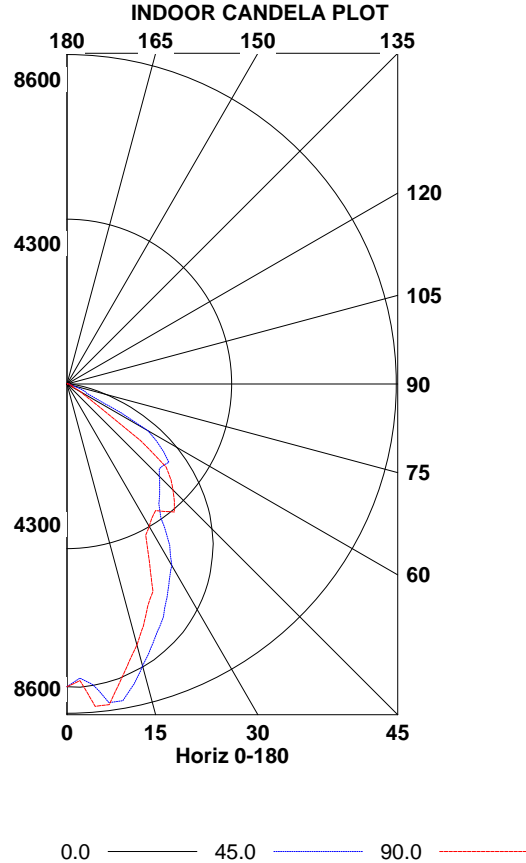
**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5785	36.0	36.0
0-40	8869	55.1	55.1
0-60	14389	89.5	89.5
0-90	15955	99.2	99.2
90-120	110	0.7	0.7
90-130	122	0.8	0.8
90-150	130	0.8	0.8
90-180	130	0.8	0.8
0-180	16084	100.0	100.0

**AVERAGE LUMINANCE**

**CANDELA/SQ M**

ANGLE	0.0	22.5	45.0	67.5	90.0
0	10631	10631	10631	10631	10631
30	10151	9532	7807	6166	6152
40	9765	8222	5849	6180	6827
45	9490	7510	5624	6534	6509
50	9129	6704	5825	6049	6034
55	8573	5337	5920	4063	1809
60	7897	4818	5181	1165	905
65	7012	4292	1343	371	418
70	5829	3535	1029	398	444
75	4394	1584	459	292	246
80	2828	1385	302	283	272
85	1596	772	330	374	430



**COEFFICIENTS OF UTILIZATION (%)**

**ZONAL CAVITY METHOD**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																		
	80%				70%				50%				30%						
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	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	99	93	88	83	90	85	81	86	83	79	83	80	77	75	
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	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
	8	65	53	45	39	64	52	44	39	50	44	39	49	43	39	48	42	38	37
	9	61	48	41	36	60	48	41	36	47	40	35	46	39	35	45	39	35	33
	10	57	45	37	33	56	44	37	32	43	37	32	42	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:** LXEW4-50M-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 #18829  
DATE: 5/23/2017

**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7901	7901	7901	7901	7901
2.5	7922	7838	7686	7708	7750
5.0	7893	7712	7890	8295	8450
7.5	7858	7699	8392	8506*	8441
10.0	7808	7890	8396	8060	7915
12.5	7721	8142	8038	7618	7440
15.0	7644	8256	7621	7189	7052
17.5	7551	8179	7249	6840	6630
20.0	7427	7937	6890	6396	6166
22.5	7298	7603	6576	5988	5863
25.0	7156	7255	6171	5673	5080
27.5	6978	6928	5776	4813	4454
30.0	6807	6569	5471	4339	4291
32.5	6598	6275	4994	4166	4135
35.0	6391	5934	4274	4016	4033
37.5	6151	5555	3935	3909	4195
40.0	5898	5162	3760	3996	4360
42.5	5651	4787	3580	4176	4150
45.0	5349	4430	3410	3989	3917
47.5	5058	4098	3270	3715	3676
50.0	4738	3670	3293	3447	3381
52.5	4385	3029	3354	3190	2400
55.0	4033	2673	3078	2132	931
57.5	3691	2424	2773	818	567
60.0	3303	2170	2438	554	421
62.5	2929	1927	1250	411	148
65.0	2545	1702	561	157	172
67.5	2148	1459	507	176	162
70.0	1777	1201	372	146	158
72.5	1399	986	190	170	118
75.0	1074	444	139	90	73
77.5	775	347	113	70	77
80.0	515	303	73	70	64
82.5	320	229	66	59	65
85.0	189	120	59	69	74
87.5	111	70	61	75	65
90.0	66	52	66	53	53
92.5	60	47	44	46	41
95.0	79	44	36	27	21
97.5	99	39	24	21	22
100.0	104	40	24	23	22
102.5	102	43	26	23	22
105.0	93	45	25	23	21
107.5	83	43	24	22	21
110.0	72	40	21	20	19
112.5	61	36	20	18	18
115.0	53	32	18	17	17
117.5	44	28	16	14	16
120.0	36	24	14	11	13
122.5	30	20	13	10	11
125.0	25	17	11	9	10
127.5	20	13	9	9	9
130.0	16	10	9	9	10
132.5	13	8	10	8	9
135.0	10	7	9	9	9
137.5	8	5	6	11	10
140.0	6	5	4	10	14
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