

**LUMINAIRE:** LXEW4-30X-CAN-EU  
 LXEW Led Enclosed and Gasketed, Extreme Environment  
 LED Enclosed and Gasketed High Bay w/ Aluminum Reflectors  
 Data Scaled from Test# 17.01522 & Clear Acrylic Refractor  
**BALLAST:** XI190C275V054BSG1  
**BALLAST FACTOR:** 1.00  
**LAMP:** LED  
**FIXTURE LUMENS:** 35477  
**WATTS:** 329.40  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.28 90° = 0.92  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.17  
 WIDTH: 1.08  
 HEIGHT: 0.23

TEST #18880

DATE: 5/18/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 108**

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

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.22**

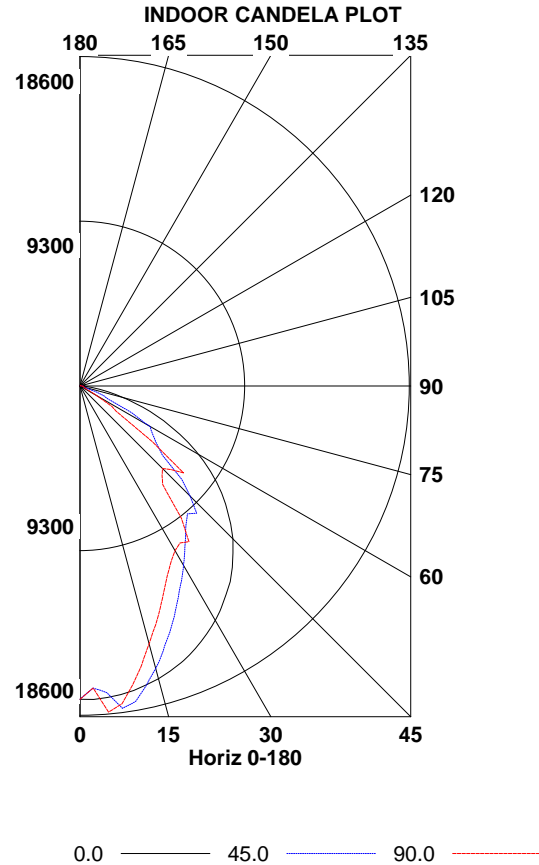
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	12642	35.6	35.6
0-40	19757	55.7	55.7
0-60	31541	88.9	88.9
0-90	35156	99.1	99.1
90-120	267	0.8	0.8
90-130	299	0.8	0.8
90-150	321	0.9	0.9
90-180	321	0.9	0.9
0-180	35477	100.0	100.0

**AVERAGE LUMINANCE**

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	42271	42271	42271	42271	42271
30	40879	36375	29097	26527	26385
40	39884	30938	25376	23658	19217
45	39133	28427	24984	18201	18372
50	37831	25983	18383	19072	22640
55	36194	23772	16769	14270	7959
60	33820	22151	16481	6993	4012
65	30116	16763	7217	1993	1460
70	25555	12368	4278	1137	1098
75	19674	3998	1233	1065	1101
80	12634	6139	1101	1090	1122
85	6963	2084	1230	1501	1405



**COEFFICIENTS OF UTILIZATION (%)**

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																	
	RW	80%				70%				50%				30%				
		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	110	106	103	100	108	104	101	98	100	97	95	96	94	92	92	90	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	67	65
R 4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59	57
C 5	80	69	61	55	78	68	60	54	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	56	51	47	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	46	42	40
8	65	52	45	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
9	61	48	41	36	60	48	40	35	47	40	35	46	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: \_\_\_\_\_

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**CANDELA VALUES**

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	17686	17686	17686	17686	17686
2.5	17710	17494	17072	17047	17073
5.0	17658	17128	17386	18254	<b>18484*</b>
7.5	17576	17059	18360	18308	18101
10.0	17454	17434	18081	17355	17141
12.5	17284	17901	17304	16412	16121
15.0	17112	18014	16514	15460	15076
17.5	16886	17652	15654	14504	14166
20.0	16637	17097	14812	13612	13279
22.5	16353	16396	13967	12814	12437
25.0	16015	15663	13147	12033	11722
27.5	15648	14965	12412	11358	11144
30.0	15284	14188	11697	10821	10736
32.5	14841	13406	11007	10444	10504
35.0	14374	12647	10397	10515	10727
37.5	13929	11829	9837	10087	9414
40.0	13375	11018	9427	8969	7260
42.5	12787	10259	9742	6904	6860
45.0	12216	9524	8793	6558	6593
47.5	11544	8782	7780	6256	6974
50.0	10843	8091	6061	6461	7634
52.5	10161	7376	5524	7030	5129
55.0	9370	6784	5114	4490	2491
57.5	8545	6485	4803	2147	2144
60.0	7751	5697	4580	2015	1149
62.5	6866	4945	3349	1097	566
65.0	5955	3806	1795	517	376
67.5	5118	2934	1471	317	283
70.0	4211	2414	931	260	249
72.5	3326	1744	352	228	225
75.0	2569	647	228	209	214
77.5	1822	512	192	193	196
80.0	1205	781	166	177	180
82.5	764	509	146	174	211
85.0	414	191	142	191	176
87.5	201	132	161	181	170
90.0	83	102	156	125	120
92.5	99	98	93	97	90
95.0	222	92	79	70	69
97.5	281	73	63	62	64
100.0	275	64	62	70	71
102.5	261	66	64	75	80
105.0	236	82	61	75	80
107.5	205	87	57	71	74
110.0	172	78	52	64	71
112.5	143	74	48	59	65
115.0	118	68	45	56	61
117.5	97	60	44	49	56
120.0	78	51	39	44	50
122.5	63	41	33	41	44
125.0	49	30	30	38	42
127.5	38	21	26	34	39
130.0	27	15	22	31	35
132.5	19	12	19	29	33
135.0	15	10	16	26	31
137.5	12	9	15	23	27
140.0	11	9	12	20	23
142.5	10	8	9	17	20
145.0	8	7	6	15	17
147.5	7	6	5	12	15
150.0	6	5	5	9	12
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