

LUMINAIRE: LXEW4-40M-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: 15667
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 #18828

DATE: 5/23/2017

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 129

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.86

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

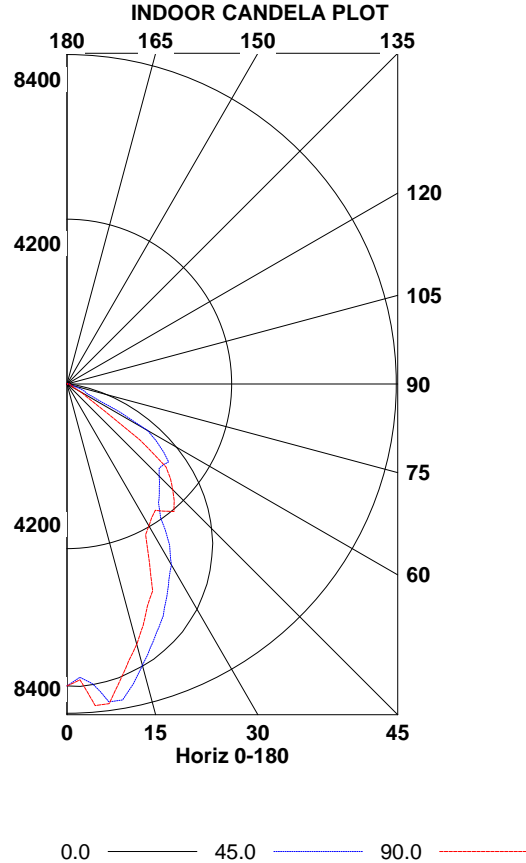
ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5635	36.0	36.0
0-40	8639	55.1	55.1
0-60	14016	89.5	89.5
0-90	15541	99.2	99.2
90-120	107	0.7	0.7
90-130	119	0.8	0.8
90-150	126	0.8	0.8
90-180	126	0.8	0.8
0-180	15667	100.0	100.0

AVERAGE LUMINANCE

CANDELA/SQ M

ANGLE	0.0	22.5	45.0	67.5	90.0
0	10356	10356	10356	10356	10356
30	9888	9285	7604	6005	5993
40	9512	8008	5697	6021	6650
45	9243	7315	5479	6363	6340
50	8892	6530	5673	5893	5879
55	8350	5197	5766	3958	1761
60	7693	4693	5047	1135	882
65	6830	4181	1307	362	406
70	5679	3444	1001	387	433
75	4280	1541	446	282	239
80	2751	1349	294	275	264
85	1553	753	325	363	418



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: _____

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DATE: 5/23/2017

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	7697	7697	7697	7697	7697
2.5	7717	7635	7487	7508	7550
5.0	7689	7512	7686	8080	8231
7.5	7654	7500	8175	8285*	8223
10.0	7605	7686	8179	7851	7710
12.5	7521	7931	7830	7421	7247
15.0	7446	8042	7424	7002	6870
17.5	7356	7967	7061	6662	6458
20.0	7235	7731	6711	6230	6006
22.5	7109	7406	6406	5833	5711
25.0	6971	7067	6011	5526	4948
27.5	6797	6749	5626	4688	4338
30.0	6631	6399	5329	4226	4180
32.5	6427	6112	4865	4058	4028
35.0	6225	5780	4164	3912	3928
37.5	5992	5411	3833	3807	4086
40.0	5745	5028	3662	3893	4247
42.5	5504	4663	3488	4068	4043
45.0	5210	4315	3322	3885	3815
47.5	4927	3992	3185	3618	3581
50.0	4615	3575	3207	3358	3294
52.5	4271	2951	3267	3107	2338
55.0	3928	2603	2998	2077	906
57.5	3595	2361	2701	797	552
60.0	3218	2114	2375	540	410
62.5	2853	1877	1218	400	144
65.0	2479	1658	546	153	167
67.5	2092	1421	494	172	157
70.0	1731	1170	362	142	154
72.5	1363	960	185	165	115
75.0	1046	432	135	87	71
77.5	755	338	110	68	75
80.0	501	295	71	68	62
82.5	312	223	64	58	63
85.0	184	117	58	67	72
87.5	109	68	60	73	63
90.0	64	51	64	52	52
92.5	59	46	43	45	40
95.0	77	43	36	26	20
97.5	96	38	23	20	21
100.0	102	39	23	22	21
102.5	99	42	25	22	21
105.0	90	44	24	22	20
107.5	81	42	23	21	20
110.0	70	39	20	19	18
112.5	60	36	19	17	17
115.0	52	31	17	16	16
117.5	43	27	15	13	15
120.0	36	23	13	11	12
122.5	29	19	12	10	11
125.0	24	16	11	9	10
127.5	19	12	9	9	9
130.0	15	10	9	9	10
132.5	12	8	10	8	9
135.0	10	7	9	9	9
137.5	8	5	6	11	10
140.0	6	5	4	10	13
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